NATIONAL CENTER FOR EDUCATION STATISTICS NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

National Assessment of Educational Progress (NAEP) 2018

Appendix I

NAEP 2018 Survey Questionnaires

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Appendix F provides the library of possible items to be used in the NAEP 2018 and 2019 questionnaires. This appendix (Appendix I) provides the final versions of the NAEP 2018 questionnaires, along with a summary of the minor, non-substantive, wording changes that have been made to these items as a result of pilot and cognitive testing and final reviews. In addition, please note that some of the questionnaires will utilize spiraling in order to minimize respondent burden while maximizing the amount of items that can be piloted. The spiral maps for these questionnaires are also included.

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Abbreviation Key								
BET: Background, Education, and Training								
COI: Classroom Organization and Instruction								
NTPS: National Teacher and Principal Survey								
SBT: Scenario Based Tasks								
SCP: School Characteristics and Polices								
TEL: Technology and Engineering Literacy								

The items presented in this appendix are those to be used in the digitally based assessments. Some of the questionnaires will also be administered in paper based assessments. Adaptations to the item-level directions may be made, as appropriate (for example, "select one answer choice on each row" in DBA would become "fill in one oval on each line" in PBA).

The following text will appear on all NAEP questionnaires and student assessments:

Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0928. The time required to complete this information collection is estimated to average [xx] minutes, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any comments or concerns regarding the status of your individual submission, please write to: National Assessment of Educational Progress (NAEP), National Center for Education Statistics (NCES), Potomac Center Plaza, 550 12th St., SW, 4th floor, Washington, DC 20202.

Authorization and Confidentiality Assurance

National Center for Education Statistics (NCES) is authorized to conduct NAEP by the National Assessment of Educational Progress Authorization Act (20 U.S.C. §9622) and to collect students' education records from education agencies or institutions for the purposes of evaluating federally supported education programs under the Family Educational Rights and Privacy Act (FERPA, 34 CFR §§ 99.31(a)(3)(iii) and 99.35).

The information [you/your child/each student - as applicable] provides will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, [your/your child's/each student's - as applicable] responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every NCES employee as well as every NCES agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of \$250,000, or both if he or she willfully discloses ANY identifiable information about [you/your child/each student - as applicable]. Electronic submission of [your/your child's/each student's - as applicable] information will be monitored for viruses, malware, and other threats by Federal employees and contractors in accordance with the Cybersecurity Enhancement Act of 2015. The collected information will be combined across respondents to produce statistical reports.

Appendix I-1: Student Questionnaires

Appendix I-1a: 2018 Operational and Pilot Grade 4, 8, and 12 Core Debrief Items

The 2018 Operational and Pilot Grade 4, 8, and 12 Core Debrief items are the same as what was submitted as items 1-5 in Appendix F-1a and F-1b.

2018 Operational Grade 4, 8, and 12 Debrief Student Items

			VH240003
1.	Но	w important was it to you to do well on this test?	
	(A)	Not very important	
	$^{ ext{ B}}$	Somewhat important	
	0	Important	
	0	Very important	
			VH260313
2.	Но	w easy or difficult was this test?	
	(A)	Extremely difficult	
	®	Quite difficult	
	0	Somewhat difficult	
	0	Somewhat easy	
	(E)	Quite easy	
	Ð	Extremely easy	
			VH333658
3.	Но	w much effort did you apply to succeed on this test?	
	(A)	No effort at all	
	$^{ ext{ $	Very little effort	
	0	Some effort	
	0	Quite a bit of effort	
	(E)	A lot of effort	

2018 Operational Grade 4, 8, and 12 Debrief Student Items

V	H3	13	36	561

- 4. How challenging was taking this test?
 - Not challenging at all
 - A little challenging
 - © Somewhat challenging
 - Quite challenging
 - © Extremely challenging

VH333661

- 5. How much time pressure did you feel when taking this test?
 - No time pressure at all
 - A little bit of time pressure
 - © Some time pressure
 - Quite a bit of time pressure
 - A lot of time pressure

8

Appendix I-1b: Summary of Revisions Grade 4, 8, and 12 Core

			de 4, 8, and 12 Core Studer vill be used at all grades unless otherwise specif				
Previous item			2018 item			D/A/ R/NC+	Rationale
1. Are you Hispanic or Latino? Select one	or more answer choice	ces.	1. Are you Hispanic or Latino? Select one	or more answer ch	oices.	NC	
Do, I am not Hispanic or Latino.			No, I am not Hispanic or Latino.				
D Yes, I am Mexican, Mexican Americ	an, or Chicano.		Tes, I am Mexican, Mexican American Testing and T	an, or Chicano.			
O Yes, I am Puerto Rican or Puerto Ric	can American.		© Yes, I am Puerto Rican or Puerto Ric				
D Yes, I am Cuban or Cuban American	1.		Yes, I am Cuban or Cuban American				
Tes, I am from some other Hispanic	or Latino backgroun	d.	D Yes, I am from some other Hispanic	or Latino backgro	und.		
(2016 Pilot Grade 12, 2017 Opera	ational Grades 4	l and 8)	Issue: Race/Ethnicity				
2. Which of the following best describes yo	ou? Select one or mo	re answer choices.	2. Which of the following best describes yo	ou? Select one or n	nore answer choices.	NC	
White			White				
Black or African American			Black or African American				
Asian			Asian				
American Indian or Alaska Native			American Indian or Alaska Native				
Native Hawaiian or other Pacific Isl	ander		Native Hawaiian or other Pacific Isla	ander			
(2016 Pilot Grade 12, 2017 Opera	ational Grades 4	l and 8)	Issue: Race/Ethnicity				
3. About how many books are there in		•	3. About how many books are there in y	NC			
© Few (0–10)			∇ Few (0–10)				
© Enough to fill one shelf (11–25)			© Enough to fill one shelf (11–25)				
	000						
© Enough to fill one bookcase (26–1			© Enough to fill one bookcase (26–1				
Enough to fill several bookcases (Enough to fill several bookcases (i)	more than 100)			
(2016 Pilot Grade 12, 2017 Operation 4. Do you have any of the following in your hom			Issue: Socioeconomic Status 4. Do you have any of the following in your home	e? Select one answer c	hoice on each row.	NC	
	Yes	No		Yes	No		
a. Access to the Internet	®	Φ	a. Access to the Internet	©	Φ.		
b. Clothes dryer just for your family	0	00	b. Clothes dryer just for your family	0	Φ		
c. Dishwasher d. Your own bedroom	0	0	c. Dishwasher d. Your own bedroom	0	Φ		
e. A desktop or laptop computer (including	9	9	e. A desktop or laptop computer (including	9	Φ		
Chromebooks) that you can use f. A tablet (for example, Surface Pro, iPad.			Chromebooks) that you can use f. A tablet (for example, Surface Pro, iPad,				
Kindle Fire) that you can use	Ø	00	Kindle Fire) that you can use	0	Φ.		
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	0	Φ	g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	•	Φ		
(2017 Operational Grades 4 and	8)		Issue: Socioeconomic Status				

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4, 8, and 12 Core Student Items will be used at all grades unless otherwise specified.								
Previous item	2018 item	D/A/ R/NC+	Rationale						
5. How often do you use the Internet for homework at home?	5. How often do you use the Internet for homework at home?	NC							
Never	Never								
About once or twice a month	About once or twice a month								
About once or twice a week	About once or twice a week								
Almost every day	Almost every day								
© Every day	© Every day								
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Technology Use								
6. How many days were you absent from school in the last month?	6. How many days were you absent from school in the last month?	NC							
None	None								
① 1 or 2 days	© 1 or 2 days								
© 3 or 4 days	© 3 or 4 days								
⊕ 5 to 10 days	© 5 to 10 days								
Φ More than 10 days	More than 10 days								
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate								
7. How often do you talk about things you have studied in school with someone in your family?	7. How often do you talk about things you have studied in school with someone in your family?	NC							
Never or hardly ever	Never or hardly ever								
Once every few weeks	Once every few weeks								
About once a week	About once a week								
Two or three times a week	Two or three times a week								
© Every day	© Every day								
(2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status								
8. How far in school did your mother go?	8. How far in school did your mother go?	NC	This item will						
She did not finish high school.	She did not finish high school.		only be used at grades 8 and 12.						
She graduated from high school.	She graduated from high school.		braucs o and 12.						
© She had some education after high school.	She had some education after high school.								
She graduated from college.	She graduated from college.								
① I don't know.	D I don't know.								
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4, 8, and 12 Core Student Items will be used at all grades unless otherwise specified.								
Previous item	2018 item	D/A/ R/NC+	Rationale						
9. How far in school did your father go?	9. How far in school did your father go?	NC	This item will						
He did not finish high school.	A He did not finish high school.		only be used at grades 8 and 12.						
He graduated from high school.	He graduated from high school.		grades o and 12.						
He had some education after high school.	He had some education after high school.								
He graduated from college.	He graduated from college.								
© I don't know.	© I don't know.								
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status								
10. Does your mother work?	10. Does your mother work?	NC	This item will						
⊕ Yes			only be used at						
© No	© No		grades 8 and 12.						
© I don't know.	© I don't know.								
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 4, 8, and 12 Core Student Items will be used at all grades unless otherwise specified D/A/ **Previous item** 2018 item Rationale R/NC+ NC This item will 11. What does your mother do for work? Select the choice that most closely describes 11. What does your mother do for work? Select the choice that most closely describes only be used at what she does at work. what she does at work. grade 12. @ Accountant @ Farmer @ Religious worker @ Accountant @ Farmer @ Religious worker @ Artist 3 Firefighter @ Repair technician @ Artist @ Firefighter @ Repair technician @ Athlete @ Grounds worker Salesperson @ Athlete @ Grounds worker Salesperson @ Health aide Scientist @ Carpenter @ Health aide Scientist @ Carpenter @ Cashier @ Helper @ Secretary @ Cashier @ Helper @ Secretary @ Cleaner @ Housekeeper @ Security guard @ Cleaner @ Housekeeper @ Security guard @ Clerk Janitor @ Server @ Clerk Janitor Server @ College professor @ Lawyer Social worker @ College professor @ Lawyer Social worker @ Construction worker Librarian Software developer D Software developer @ Construction worker @ Librarian @ Cook @ Manager @ Stocker @ Cook Manager Stocker Stocker @ Customer service Marketing (3) Supervisor 3 Supervisor @ Customer service @ Marketing Day care worker @ Mechanic @ Surgeon Day care worker (3) Mechanic Surgeon Medical technician @ Dental hygienist Surveyor (3) Medical technician @ Dental hygienist Surveyor @ Dentist Military Taxi driver @ Dentist (3) Military Taxi driver Designer Designer Miner Teacher (Designer Designer Miner Teacher (@ Doctor 1 Nurse 1 Therapist @ Doctor 1 Nurse 1 Therapist @ Education Office support @ Transportation administrator @ Education Office support Transportation @ Painter Truck driver administrator @ Electrician Truck driver @ Painter Pharmacist (D) Veterinarian @ Electrician @ Engineer @ Pharmacist Weterinarian @ Police Writer @ Engineer @ Executive @ Police Writer @ Other (Please specify): @ Receptionist @ Executive @ Factory worker @ Receptionist Other (Please specify): @ Factory worker Issue: Socioeconomic Status (2016 Pilot Grade 12) NC 12. Does your father work? 12. Does your father work? This item will only be used at grades @ Yes @ Yes 8 and 12. @ No ® No O I don't know. O I don't know.

(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)

Issue: Socioeconomic Status

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 4, 8, and 12 Core Student Items will be used at all grades unless otherwise specified. D/A/ **Previous item** 2018 item Rationale R/NC+ This item will 13. What does your father do for work? Select the choice that most closely describes 13. What does your father do for work? Select the choice that most closely describes NC what he does at work. what he does at work. only be used at @ Accountant @ Farmer @ Religious worker @ Accountant @ Farmer Religious worker grade 12. @ Firefighter @ Artist @ Repair technician @ Firefighter @ Artist @ Repair technician @ Athlete @ Grounds worker Salesperson @ Athlete @ Grounds worker Salesperson Scientist @ Carpenter 3 Health aide @ Health aide @ Scientist @ Carpenter @ Cashier @ Helper @ Secretary @ Cashier @ Helper @ Secretary @ Cleaner @ Housekeeper @ Security guard @ Cleaner @ Housekeeper @ Security guard @ Clerk Server @ Janitor @ Clerk @ Janitor @ Server @ College professor Social worker @ Lawyer @ College professor Social worker 2 Lawyer @ Construction worker @ Librarian @ Software developer @ Construction worker Librarian D Software developer @ Cook (3) Manager @ Stocker @ Cook (3) Manager @ Stocker @ Customer service @ Marketing 3 Supervisor @ Customer service @ Marketing @ Supervisor Day care worker Mechanic @ Surgeon Day care worker (3) Mechanic Surgeon @ Dental hygienist Medical technician @ Surveyor @ Dental hygienist Medical technician Me @ Surveyor 1 Dentist Military Taxi driver @ Dentist (3) Military Taxi driver Designer Designer Miner Teacher (Designer Designer Miner Teacher (@ Doctor @ Nurse (3) Therapist 1 Doctor @ Nurse Therapist @ Education Office support @ Transportation administrator @ Education Office support Transportation @ Painter Truck driver administrator @ Electrician @ Painter @ Truck driver @ Pharmacist Veterinarian @ Electrician @ Engineer D Pharmacist Veterinarian @ Police Writer . @ Engineer @ Executive @ Police Writer (B) Other (Please specify): @ Receptionist @ Executive @ Factory worker @ Receptionist (Please specify): @ Factory worker (2016 Pilot Grade 12) **Issue**: Socioeconomic Status

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

14. Do any of the following people live in your home? Select one answer choice on each row. 14. Do any of the following people live in your home? Select one answer choice on each row. 15. Stepmother	revious item			2018 item	D/A/	Rationale		
Tow. Yes No			7.0		R/NC+			
a. Mother b. Stepmother c. Foster mother or other female legal guardian d. Father c. Sepfather d. Sepfather d. Foster father or other male legal guardian d. Father c. Sepfather d. Foster father or other male legal guardian d. Father c. Stepfather d. Foster father or other male legal guardian d. Father d. Sepfather d. Foster father or other male legal guardian d. Father d. Sepfather d. Foster father or other male legal guardian d. Father d. Stepfather d. Foster father or other male legal guardian d. Father d. Father d. Foster father or other male legal guardian d. Father d. Father d.		ne? Select one ansy	ver choice on each		NC			
S. Stepmother		Yes	No		Yes	No		
Foster mother or other female legal guardian © © ©	a. Mother	0	Ф	a. Mother	0	Φ		
Guardian	The state of the s	0	Ф	1000	0	Φ		
d. Father		0	Φ		0	Φ		
Foster father or other male legal guardian		00	Φ		0	Φ		
Issue: Socioeconomic Status Issue: Issue: Socioeconomic Status Issue: Issue: Socioeconomic Status Issue: Issue: Socioeconomic Status Issue: Issu			Ф		0	Ф		
15. In this school year, how often did you use a laptop or desktop computer (including Chromebooks) during your classes at school? Never In some classes In about half of the classes In all or almost all classes In all or almost all classes In this school year, how often did you use a laptop or desktop computer (including Chromebooks) during your classes at school? Never In some classes In more than half of the classes In all or almost all classes In all or almost all classes In all or almost all classes In this school year, how often did you use a tablet (for example, Surface Pro, iPad, Kindle Fire) during your classes at school? NC NC NC NC NC NC NC NC NC N	f. Foster father or other male legal guardian	⊗	Ф	f. Foster father or other male legal guardian	0	•		
Kindle Fire) during your classes at school? Never Kindle Fire) during your classes at school? Never	Chromebooks) during your classes at schoo Never In some classes In about half of the classes In more than half of the classes In all or almost all classes	17		Chromebooks) during your classes at school Never In some classes In about half of the classes In more than half of the classes In all or almost all classes				
1000	16. In this school year, how often did you use a tablet (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?				NC			
□ In some classes □ In some classes	Never			Never				
	In some classes			In some classes				
© In about half of the classes	© In about half of the classes			In about half of the classes				
In more than half of the classes In more than half of the classes	In more than half of the classes							
① In all or almost all classes ② In all or almost all classes								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
17. How much does each one answer choice on		ing statement	s describe a pe	erson like you	? Select	17. How much does each of the following statements describe a person like you? Select one answer choice on each row.						NC	
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me		
a. I finish whatever I begin.	0	0	O	0	(D)	a. I finish whatever I begin.	0	0	0	0	(D)		
 I try very hard even after making mistakes. 	0	Φ.	0	0	Œ	b. I try very hard even after making mistakes.	0	Φ	O	0	Ф		
c. I keep working hard even when I feel like quitting.	0	00	0	0	Ф	c. I keep working hard even when I feel like quitting.	0	Ф	0	0	Ð		
d. I keep trying to improve myself, even when it takes a long time to get there.	Ø	Ø.	0	0	Φ	d. I keep trying to improve myself, even when it takes a long time to get there.	0	®	0	0	Φ		
(2017 Operationa	ii Graues	4 4110 67				Issue: Perseverance 18. How much does each of the following statements describe you? Select one answer choice on each row. Not at all A little bit Somewhat Ouite a bit Very much						A	This item was added to the Grade 4, 8, and 12
						a. I finish whatever I	like me	like me	like me	like me	like me		pilots to compare the language
						begin. b. I try very hard even	0	0	0	0	Œ.		"describe a persor
						after making mistakes. c. I keep working hard even when I feel like quitting.	8	Ф	0	0	D		like you" and "describe you". Student Grade 4.
						d. I keep trying to improve myself, even when it takes a long time to get there.	0	Ф	0	0	Φ		8, and 12 will be spiraled, therefore students will only
													receive one version of this

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						19. In this school year, how often have you done each of the following? Select one answer choice on each row.						D/A/ Rat R/NC+	Rationale
In this school year, he choice on each row.	w often have y	ou done each	of the following	ng? Select one	e answer							NC	
	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time		
I started working on assignments right away rather than waiting until the last minute.	⊗	00	0	Ф	Φ	I started working on assignments right away rather than waiting until the last minute.	0	0	0	0	Ф		
 I paid attention and resisted distractions. 	0	0	0	0	Ф	b. I paid attention and resisted distractions.	0	0	0	Φ	Ф		
c. I stayed on task without reminders from my teacher.	Ø	0	0	Φ	Φ	c. I stayed on task without reminders from my teacher.	0	0	0	0	Ф		
d. I paid attention in													
class even when I was not interested.	00	0	0	Ф	Œ	 d. I paid attention in class even when I was not interested. 	0	•	0	0	Œ		
class even when I was	l Grades	4 and 8)				class even when I was	e of the followi				ham Virging	NC	
class even when I was not interested. 2017 Operationa 20. How much does each	l Grades	4 and 8)			il Select	class even when I was not interested. Issue: Perseveranc 20. How much does each	e of the followi				ham Virging	NC	
class even when I was not interested. 2017 Operationa 20. How much does each	Grades of the following each row.	4 and 8) ing statements A little bit	s describe a pe	erson like you	N Select	class even when I was not interested. Issue: Perseveranc 20. How much does each	e of the followi each row.	ing statement	s describe a pe	rson like you	? Select	NC	
class even when I was not interested. 2017 Operationa 20. How much does each one answer choice on a. I like complex problems more than easy problems. b. I like activities that challenge my thinking abilities.	of the followieach row.	4 and 8) ing statements A little bit like me	s describe a pe	erson like you Quite a bit like me	Very much like me	class even when I was not interested. Issue: Perseveranc 20. How much does each one answer choice on a like complex problems more than	e of the following each row.	A little bit like me	s describe a pe	rson like you Quite a bit like me	Very much like me	NC	
class even when I was not interested. 2017 Operationa 20. How much does each one answer choice on a. I like complex problems more than easy problems. b. I like activities that challenge my thinking	of the followieach row.	4 and 8) A little bit like me	s describe a pe	Quite a bit like me	Very much like me	class even when I was not interested. Issue: Perseveranc 20. How much does each one answer choice on a like complex problems more than easy problems. b. I like activities that challenge my thinking	e of the following each row. Not at all like me	A little bit like me	s describe a pe	Quite a bit like me	Very much like me	NC	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item					Items v	2018 item						D/A/ R/NC+	Rationale
N/A						21. How much does each choice on each row.	of the follow	ing statement	ts describe you	? Select one	answer	Α	This item was added to the
							Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me		Grade 4, 8, and 12 pilot to compare
						I like complex problems more than easy problems.	Φ	Φ	0	Φ	Φ		the language "describe a perso
						 I like activities that challenge my thinking abilities. 	•	Ф	0	0	Φ		like you" and "describe you".
						c. I enjoy situations where I will have to think about something.	Φ	Φ	0	0	Φ		Student Grade 4, 8, and 12 will be
						 I enjoy thinking about new solutions to problems. 	0	®	0	0	Φ		spiraled, therefor students will only receive one
						Issue: Enjoyment	of Difficu	lt Proble	ms				version of this item.
22. In this school year, he school? Select one an	ow often have y	you felt any o	the following	g ways about y	our '	22. In this school year, h school? Select one an	ow often have swer choice o	e you felt any on each row.	of the followi	ng ways abou	it your	NC	
	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time		Never or hardly ever	Less than half of the time				İ	
	0	9	0	Ф	Φ	I felt awkward and out of place at school.	0	Ф	0	0	Ф		
I felt awkward and out of place at school.		0	0	0	Φ	b. I felt happy at school.	0	0	0	0	Ф		
	⊗					c. I felt that I learned		-	-		-		1

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Items w	vill be used at all grades unless otherwise specified	d			
Previous item	2018 item				Rationale
11. During this school year, which of the following have you done? Select all that apply.Taken the SAT or ACT College Entrance Exams	23. During this school year, which of the following each row.	g have you done? Se	lect one answer on	R/NC+	This item was revised from a
Submitted the Free Application for Federal Student Aid (FAFSA)		Yes	No	Ī	multiple
© Applied to a 2-year college	a. Taken the SAT or ACT College Entrance	•		1	selection
Been accepted to a 2-year college	Exams	0	Φ	41	multiple choice
Applied to a 4-year college	b. Submitted the Free Application for Federal Student Aid (FAFSA)	0	Ф	4	•
Been accepted to a 4-year college	c. Applied to a 2-year college	0	Ф		item to a matrix
Applied to a certificate or diploma program at a school that provides occupational training	d. Been accepted to a 2-year college	0	Ф	1	item to improve
Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)	e. Applied to a 4-year college	0	Φ	1	the data
Been accepted to a technical training program	f. Been accepted to a 4-year college	0	Φ	4	collection. This
Talked with a military recruiter Enlisted in the military Applied for a full-time job	g. Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)	•	Ф		item will only be used at
h. Been accepted to a technical training		Ф		grade 12.	
None of the above	i. Talked with a military recruiter	0	Φ	+	
	j. Enlisted in the military	0	Φ	1	
	k. Applied for a full-time job	0	Φ	1	
	Been interviewed for a full-time job	0	Φ	1	
(2016 Pilot Grade 12)	Issue: Post High School Preparation	n			
24. Which of the following best describes your high school program?	24. Which of the following best describes ye	our high school p	rogram?	NC	This item will only
⊕ General	General				be used at grade
					12.
Academic or college preparatory	 Academic or college preparatory 				
Vocational or technical	O Vocational or technical				
(2016 Pilot Grade 12)	Issue: Post High School Preparation				
25. Write the ZIP code of your home address in the box.	25. Write the ZIP code of your home addres	ss in the box.		NC	This item will no
					longer be
					administered at
					grade 4 due to
					_
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status				feedback
, , , , , , , , , , , , , , , , , , , ,					received from
					the field as part
					of the 2017
					administration.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-1c: Pilot Grade 4 Core

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

	VH240387
1. Are you Hispanic or Latino? Select one or more answer choices.	
No, I am not Hispanic or Latino.	
Yes, I am Mexican, Mexican American, or Chicano.	
© Yes, I am Puerto Rican or Puerto Rican American.	
Yes, I am Cuban or Cuban American.	
Yes, I am from some other Hispanic or Latino background.	
	VH240388
2. Which of the following best describes you? Select one or more answer choices.	
White	
Black or African American	
© Asian	
American Indian or Alaska Native	
Native Hawaiian or other Pacific Islander	
	VH240186
3. About how many books are there in your home?	
⊕ Few (0–10)	
® Enough to fill one shelf (11–25)	
© Enough to fill one bookcase (26–100)	
© Enough to fill several bookcases (more than 100)	

VH271104

4. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	A	®	VH271105
b. Clothes dryer just for your family	A	®	VH336756
c. Dishwasher	A	®	VH336759
d. Your own bedroom	(A)	®	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	(A)	®	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	®	®	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	®	®	VH271112

VH354591

- **5.** How often do you use the Internet for homework at home?
 - Never
 - About once or twice a month
 - About once or twice a week
 - Almost every day
 - © Every day

VH240190

6. How many days were you absent from school in the last month?

2

- None
- ® 1 or 2 days
- © 3 or 4 days
- 5 to 10 days
- More than 10 days

V	H2	40	118

- 7. How often do you talk about things you have studied in school with someone in your family?
 - Never or hardly ever
 - Once every few weeks
 - About once a week
 - Two or three times a week
 - © Every day

VH271144

8. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	(A)	®	VH271145
b. Stepmother	(A)	®	VH271146
c. Foster mother or other female legal guardian	®	®	VH271147
d. Father	(A)	®	VH271148
e. Stepfather	(A)	®	VH271149
f. Foster father or other male legal guardian	(A)	®	VH271150

VH591969

- **9.** In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?
 - Never
 - In some classes
 - © In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

VH271276

- **10.** In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

11. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

VH271337

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I finish whatever I begin.	(A)	B	0	0	Ē	VH271338
b.	I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH271339
c.	I keep working hard even when I feel like quitting.	(A)	®	0	0	Œ	VH271342
d.	I keep trying to improve myself, even when it takes a long time to get there.	(®	O	0	Œ	VH271345

VH733141

12. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I finish whatever I begin.	(A)	®	0	0	Œ	VH733142
b.	I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH733143
c.	I keep working hard even when I feel like quitting.	(A)	®	0	0	Œ	VH733145
d.	I keep trying to improve myself, even when it takes a long time to get there.	(4)	®	0	Θ	Œ	VH733144

VH271367

13. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a.	I started working on assignments right away rather than waiting until the last minute.	(4)	®	0	0	©.	VH271370
b.	I paid attention and resisted distractions.	A	®	0	0	Œ	VH271372
c.	I stayed on task without reminders from my teacher.	(8)	®	0	0	Œ	VH271374
d.	I paid attention in class even when I was not interested.	(4)	®	0	0	Œ	VH271375

VH271749

14. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I like complex problems more than easy problems.	(A)	®	0	0	©.	VH271750
b.	I like activities that challenge my thinking abilities.	®	®	0	0	Œ	VH271752
c.	I enjoy situations where I will have to think about something.	®	®	0	•	©.	VH271753
d.	I enjoy thinking about new solutions to problems.	®	®	©	0	©	VH271756

VH733149

15. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I like complex problems more than easy problems.	®	®	0	0	Œ	VH733150
b.	I like activities that challenge my thinking abilities.	®	®	0	0	Œ	VH733151
c.	I enjoy situations where I will have to think about something.	®	®	0	0	©.	VH733155
d.	I enjoy thinking about new solutions to problems.	(A)	®	0	0	Œ	VH733154

VH271934

16. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I felt awkward and out of place at school.	(A)	®	0	0	Œ	VH271942
b. I felt happy at school.	(A)	®	0	0	Œ	VH271944
c. I felt that I learned something that I can use in my daily life.	(A)	®	©	0	Œ	VH336903

Spiral Map Grade 4 Core

Accnum	Grade	Grade 4 OMB PDF Sequence Number	Number of Grade 4 booklets item appears in	Grade 4 booklets item appears in
VH240387	4, 8, 12	01_00	6	1, 2, 3, 4, 5, 6
VH240388	4, 8, 12	02_00	6	1, 2, 3, 4, 5, 6
VH240186	4, 8, 12	03_00	6	1, 2, 3, 4, 5, 6
VH271104	4, 8, 12		6	1, 2, 3, 4, 5, 6
VH271105	4, 8, 12		6	1, 2, 3, 4, 5, 6
VH336756	4, 8, 12	_ 04_02	6	1, 2, 3, 4, 5, 6
VH336759	4, 8, 12	_ 04_03	6	1, 2, 3, 4, 5, 6
VH336762	4, 8, 12	04_04	6	1, 2, 3, 4, 5, 6
VH591976	4, 8, 12	04_05	6	1, 2, 3, 4, 5, 6
VH271110	4, 8, 12	04_06	6	1, 2, 3, 4, 5, 6
VH271112	4, 8, 12	04_07	6	1, 2, 3, 4, 5, 6
VH240190	4, 8, 12	06_00	6	1, 2, 3, 4, 5, 6
VH271144	4, 8, 12	08_00	6	1, 2, 3, 4, 5, 6
VH271145	4, 8, 12	08_01	6	1, 2, 3, 4, 5, 6
VH271146	4, 8, 12	08_02	6	1, 2, 3, 4, 5, 6
VH271147	4, 8, 12	08_03	6	1, 2, 3, 4, 5, 6
VH271148	4, 8, 12	08_04	6	1, 2, 3, 4, 5, 6
VH271149	4, 8, 12	08_05	6	1, 2, 3, 4, 5, 6
VH271150	4, 8, 12	08_06	6	1, 2, 3, 4, 5, 6
VH591969	4, 8, 12	09_00	6	1, 2, 3, 4, 5, 6
VH271276	4, 8, 12	10_00	6	1, 2, 3, 4, 5, 6
VH354591	4, 8, 12	05_00	6	1, 2, 3, 4, 5, 6
VH271337	4, 8, 12	11_00	3	1, 2, 6
VH271338	4, 8, 12	11_01	3	1, 2, 6
VH271339	4, 8, 12	11_02	3	1, 2, 6
VH271342	4, 8, 12	11_03	3	1, 2, 6
VH271345	4, 8, 12	11_04	3	1, 2, 6
VH271367	4, 8, 12	13_00	6	1, 2, 3, 4, 5, 6
VH271370	4, 8, 12	13_01	6	1, 2, 3, 4, 5, 6

Spiral Map Grade 4 Core

Accnum	Grade	Grade 4 OMB PDFSequence Number	Number of Grade 4 booklets item appears in	Grade 4 booklets item appears in
VH271372	4, 8, 12	13_02	6	1, 2, 3, 4, 5, 6
VH271374	4, 8, 12	13_03	6	1, 2, 3, 4, 5, 6
VH271375	4, 8, 12	13_04	6	1, 2, 3, 4, 5, 6
VH271749	4, 8, 12	14_00	3	1, 2, 6
VH271750	4, 8, 12	14_01	3	1, 2, 6
VH271752	4, 8, 12	14_02	3	1, 2, 6
VH271753	4, 8, 12	14_03	3	1, 2, 6
VH271756	4, 8, 12	14_04	3	1, 2, 6
VH271934	4, 8, 12	16_00	6	1, 2, 3, 4, 5, 6
VH271942	4, 8, 12	16_01	6	1, 2, 3, 4, 5, 6
VH271944	4, 8, 12	16_02	6	1, 2, 3, 4, 5, 6
VH336903	4, 8, 12	16_03	6	1, 2, 3, 4, 5, 6
VH240189	4, 8, 12	07_00	6	1, 2, 3, 4, 5, 6
VH733141	4, 8, 12	12_00	3	3, 4, 5
VH733142	4, 8, 12	12_01	3	3, 4, 5
VH733143	4, 8, 12	12_02	3	3, 4, 5
VH733145	4, 8, 12	12_03	3	3, 4, 5
VH733144	4, 8, 12	12_04	3	3, 4, 5
VH733149	4, 8, 12	15_00	3	3, 4, 5
VH733150	4, 8, 12	15_01	3	3, 4, 5
VH733151	4, 8, 12	15_02	3	3, 4, 5
VH733155	4, 8, 12	15_03	3	3, 4, 5
VH733154	4, 8, 12	15_04	3	3, 4, 5

Appendix I-1d: 2018 Operational and Pilot Grade 8 Core

In the operational assessments, all questions will be administered to all students.

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

	VH240387
1. Are you Hispanic or Latino? Select one or more answer choices.	
No, I am not Hispanic or Latino.	
® Yes, I am Mexican, Mexican American, or Chicano.	
© Yes, I am Puerto Rican or Puerto Rican American.	
Yes, I am Cuban or Cuban American.	
© Yes, I am from some other Hispanic or Latino background.	
	VH240388
2. Which of the following best describes you? Select one or more answer choices.	
White	
® Black or African American	
© Asian	
American Indian or Alaska Native	
© Native Hawaiian or other Pacific Islander	
•	VH240186
3. About how many books are there in your home?	
® Enough to fill one shelf (11–25)	
© Enough to fill one bookcase (26–100)	
© Enough to fill several bookcases (more than 100)	

VH271104

4. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	A	®	VH271105
b. Clothes dryer just for your family	(A)	®	VH336756
c. Dishwasher	(A)	®	VH336759
d. Your own bedroom	(A)	®	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	(A)	®	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	®	®	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	0	®	VH271112

VH354591

- **5.** How often do you use the Internet for homework at home?
 - Never
 - About once or twice a month
 - About once or twice a week
 - Almost every day
 - © Every day

VH240190

6. How many days were you absent from school in the last month?

2

- None
- ® 1 or 2 days
- © 3 or 4 days
- 5 to 10 days
- More than 10 days

			VH240189
7.		w often do you talk about things you have studied in school with someone in ar family?	
	(A)	Never or hardly ever	
	®	Once every few weeks	
	0	About once a week	
	0	Two or three times a week	
	Œ	Every day	
			VH240192
8.	Но	w far in school did your mother go?	
	\bigcirc	She did not finish high school.	
	®	She graduated from high school.	
	0	She had some education after high school.	
	(She graduated from college.	
	Œ	I don't know.	
			VH240193
9.	Но	w far in school did your father go?	
		He did not finish high school.	
	B	He graduated from high school.	
	0	He had some education after high school.	
	(He graduated from college.	
	(E)	I don't know.	
	_	I woll v Allo III	

VH336776

10.	Do	es your mother work?	
	\bigcirc	Yes	
	®	No	
	0	I don't know.	
		VH3367	79
11.	Do	es your father work?	
	\bigcirc	Yes	
	®	No	
	0	I don't know.	

VH271144

12. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	(A)	®	VH271145
b. Stepmother	(A)	®	VH271146
c. Foster mother or other female legal guardian	(®	VH271147
d. Father	(A)	®	VH271148
e. Stepfather	(A)	®	VH271149
f. Foster father or other male legal guardian	(A)	®	VH271150

VH591969

- **13.** In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

VH271276

- **14.** In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?
 - Never
 - In some classes
 - O In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

VH271337

15. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	B	0	0	Ē	VH271338
b. I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH271339
c. I keep working hard even when I feel like quitting.	(A)	®	0	0	©.	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	(®	0	•	Œ	VH271345

VH733141

16. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I finish whatever I begin.	(A)	®	0	0	Œ	VH733142
b.	I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH733143
c.	I keep working hard even when I feel like quitting.	(A)	®	0	0	Œ	VH733145
d.	I keep trying to improve myself, even when it takes a long time to get there.	(®	0	Φ	©.	VH733144

VH271367

17. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a.	I started working on assignments right away rather than waiting until the last minute.	(4)	®	0	0	©.	VH271370
b.	I paid attention and resisted distractions.	(A)	B	0	0	Œ	VH271372
c.	I stayed on task without reminders from my teacher.	(A)	®	0	0	Œ	VH271374
d.	I paid attention in class even when I was not interested.	(A)	®	0	0	©.	VH271375

18. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

VH271749

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
pr	ike complex roblems more than asy problems.	(A)	®	0	0	Œ	VH271750
ch	ike activities that nallenge my thinking pilities.	(A)	®	0	0	Œ	VH271752
wl th	enjoy situations here I will have to link about omething.	(4)	®	0	0	(VH271753
ne	enjoy thinking about ew solutions to oblems.	(A)	®	0	0	Œ	VH271756

VH733149

19. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I like complex problems more than easy problems.	(A)	®	0	0	Œ	VH733150
b.	I like activities that challenge my thinking abilities.	(A)	®	0	0	Œ	VH733151
c.	I enjoy situations where I will have to think about something.	0	®	0	0	©.	VH733155
d.	I enjoy thinking about new solutions to problems.	(A)	®	0	0	Œ	VH733154

VH271934

20. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I felt awkward and out of place at school.	A	®	0	0	Œ	VH271942
b. I felt happy at school.	A	®	0	0	Œ	VH271944
c. I felt that I learned something that I can use in my daily life.	(A)	®	0	0	Œ	VH336903

	71125 1020
21. Write the ZIP code of your home address in the box.	

Spiral Map Grade 8 Core

Accnum	Grade	Grade 8 OMB PDF Sequence Number	Number of Grade 8 booklets item appears in	Grade 8 booklets item appears in
VH240387	4, 8, 12	01_00	6	1, 2, 3, 4, 5, 6
VH240388	4, 8, 12	02_00	6	1, 2, 3, 4, 5, 6
VH240186	4, 8, 12	03_00	6	1, 2, 3, 4, 5, 6
VH271104	4, 8, 12	04_00	6	1, 2, 3, 4, 5, 6
VH271105	4, 8, 12	04_01	6	1, 2, 3, 4, 5, 6
VH336756	4, 8, 12	04_02	6	1, 2, 3, 4, 5, 6
VH336759	4, 8, 12	04_03	6	1, 2, 3, 4, 5, 6
VH336762	4, 8, 12	04_04	6	1, 2, 3, 4, 5, 6
VH591976	4, 8, 12	04_05	6	1, 2, 3, 4, 5, 6
VH271110	4, 8, 12	04_06	6	1, 2, 3, 4, 5, 6
VH271112	4, 8, 12	04_07	6	1, 2, 3, 4, 5, 6
VH240190	4, 8, 12	06_00	6	1, 2, 3, 4, 5, 6
VH240192	8, 12	08_00	6	1, 2, 3, 4, 5, 6
VH240193	8, 12	09_00	6	1, 2, 3, 4, 5, 6
VH271144	4, 8, 12	12_00	6	1, 2, 3, 4, 5, 6
VH271145	4, 8, 12	12_01	6	1, 2, 3, 4, 5, 6
VH271146	4, 8, 12	12_02	6	1, 2, 3, 4, 5, 6
VH271147	4, 8, 12	12_03	6	1, 2, 3, 4, 5, 6
VH271148	4, 8, 12	12_04	6	1, 2, 3, 4, 5, 6
VH271149	4, 8, 12	12_05	6	1, 2, 3, 4, 5, 6
VH271150	4, 8, 12	12_06	6	1, 2, 3, 4, 5, 6
VH254028	8, 12	21_00	6	1, 2, 3, 4, 5, 6
VH336776	8, 12	10_00	6	1, 2, 3, 4, 5, 6
VH336779	8, 12	11_00	6	1, 2, 3, 4, 5, 6
VH591969	4, 8, 12	13_00	6	1, 2, 3, 4, 5, 6
VH271276	4, 8, 12	14_00	6	1, 2, 3, 4, 5, 6
VH354591	4, 8, 12	05_00	6	1, 2, 3, 4, 5, 6
VH271337	4, 8, 12	15_00	3	1, 2, 6
VH271338	4, 8, 12	15_01	3	1, 2, 6

Spiral Map Grade 8 Core

Accnum	Grade	Grade 8 OMB PDFSequence Number	Number of Grade 8 booklets item appears in	Grade 8 booklets item appears in
VH271339	4, 8, 12	15_02	3	1, 2, 6
VH271342	4, 8, 12	15_03	3	1, 2, 6
VH271345	4, 8, 12	15_04	3	1, 2, 6
VH271367	4, 8, 12	17_00	6	1, 2, 3, 4, 5, 6
VH271370	4, 8, 12	17_01	6	1, 2, 3, 4, 5, 6
VH271372	4, 8, 12	17_02	6	1, 2, 3, 4, 5, 6
VH271374	4, 8, 12	17_03	6	1, 2, 3, 4, 5, 6
VH271375	4, 8, 12	_ 17_04	6	1, 2, 3, 4, 5, 6
VH271749	4, 8, 12	18_00	3	1, 2, 6
VH271750	4, 8, 12	 18_01	3	1, 2, 6
VH271752	4, 8, 12	 18_02	3	1, 2, 6
VH271753	4, 8, 12	 18_03	3	1, 2, 6
VH271756	4, 8, 12	 18_04	3	1, 2, 6
VH271934	4, 8, 12	20_00	6	1, 2, 3, 4, 5, 6
VH271942	4, 8, 12	20_01	6	1, 2, 3, 4, 5, 6
VH271944	4, 8, 12	20_02	6	1, 2, 3, 4, 5, 6
VH336903	4, 8, 12	20_03	6	1, 2, 3, 4, 5, 6
VH240189	4, 8, 12	07_00	6	1, 2, 3, 4, 5, 6
VH733141	4, 8, 12	16_00	3	3, 4, 5
VH733142	4, 8, 12	16_01	3	3, 4, 5
VH733143	4, 8, 12	16_02	3	3, 4, 5
VH733145	4, 8, 12	16_03	3	3, 4, 5
VH733144	4, 8, 12	16_04	3	3, 4, 5
VH733149	4, 8, 12	19_00	3	3, 4, 5
VH733150	4, 8, 12	19_01	3	3, 4, 5
VH733151	4, 8, 12	19_02	3	3, 4, 5
VH733155	4, 8, 12	19_03	3	3, 4, 5
VH733154	4, 8, 12	19_04	3	3, 4, 5

Appendix I-1e: Pilot Grade 12 Core

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

	VH240387
1. Are you Hispanic or Latino? Select one or more answer choices.	
No, I am not Hispanic or Latino.	
Yes, I am Mexican, Mexican American, or Chicano.	
© Yes, I am Puerto Rican or Puerto Rican American.	
Yes, I am Cuban or Cuban American.	
© Yes, I am from some other Hispanic or Latino background.	
	VH240388
2. Which of the following best describes you? Select one or more answer choices.	
White White	
Black or African American	
© Asian	
American Indian or Alaska Native	
© Native Hawaiian or other Pacific Islander	
	VH240186
3. About how many books are there in your home?	
® Enough to fill one shelf (11–25)	
© Enough to fill one bookcase (26–100)	
© Enough to fill several bookcases (more than 100)	

VH271104

4. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	(A)	®	VH271105
b. Clothes dryer just for your family	(A)	®	VH336756
c. Dishwasher	(A)	®	VH336759
d. Your own bedroom	(A)	®	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	(A)	®	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	®	®	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	(®	VH271112

VH354591

- **5.** How often do you use the Internet for homework at home?
 - Never
 - About once or twice a month
 - About once or twice a week
 - Almost every day
 - © Every day

VH240190

- 6. How many days were you absent from school in the last month?
 - None
 - ® 1 or 2 days
 - © 3 or 4 days
 - 5 to 10 days
 - More than 10 days

			VH240189
7.		w often do you talk about things you have studied in school with someone in ir family?	
	(A)	Never or hardly ever	
	B	Once every few weeks	
	0	About once a week	
	(Two or three times a week	
	(E)	Every day	
			VH240192
8.	Нο	w far in school did your mother go?	111210172
•	(A)	She did not finish high school.	
	®	She graduated from high school.	
	_		
	© @	She had some education after high school.	
	(D)	She graduated from college.	
	(E)	I don't know.	
			VH240193
9.	Но	w far in school did your father go?	
	lack	He did not finish high school.	
	lacktriangle	He graduated from high school.	
	0	He had some education after high school.	
	0	He graduated from college.	
	(E)	I don't know.	

VH336776

- **10.** Does your mother work?
 - A Yes
 - ® No
 - © I don't know.

VH336878

11. What does **your mother** do for work? Select the choice that most closely describes what she does at work.

Accountant	② Farmer	Religious worker
Artist	Firefighter	Repair technician
Athlete	Grounds worker	Salesperson
© Carpenter	Health aide	46 Scientist
© Cashier	[®] Helper	Secretary
© Cleaner	① Housekeeper	Security guard
© Clerk	② Janitor	Server
® College professor	② Lawyer	Social worker
© Construction worker	3 Librarian	Software developer
[®] Cook	③ Manager	Stocker
① Customer service	Marketing	Supervisor
Day care worker	3 Mechanic	Surgeon
① Dental hygienist	Medical technician	S Surveyor
1 Dentist	③ Military	⑤ Taxi driver
⑤ Designer	3 Miner	Teacher
© Doctor	③ Nurse	® Therapist
© Education administrator	③ Office support	Transportation
	③ Painter	Truck driver
® Electrician	4 Pharmacist	© Veterinarian
® Engineer	4 Police	© Writer
© Executive	Receptionist	Other (Please specify):
② Factory worker		

5

VH336779

12. Does your father work?

- Yes
- No
- © I don't know.

VH336885

13. What does your father do for work? Select the choice that most closely describes what he does at work.

Accountant	② Farmer	Religious worker
Artist	Firefighter	4 Repair technician
3 Athlete	Grounds worker	Salesperson
© Carpenter	Health aide	Scientist
© Cashier	Helper	Secretary
© Cleaner	① Housekeeper	Security guard
© Clerk	Janitor	Server
® College professor	② Lawyer	Social worker
© Construction worker	③ Librarian	Software developer
[®] Cook	Manager	Stocker
① Customer service	Marketing	Supervisor
Day care worker	Mechanic	Surgeon
① Dental hygienist	Medical technician	Surveyor
4 Dentist	Military	Taxi driver
© Designer	Miner	Teacher
¹⁵ Doctor	③ Nurse	Therapist
© Education	③ Office support	Transportation
administrator	③ Painter	Truck driver
® Electrician	Pharmacist	© Veterinarian
Engineer	4 Police	Writer
© Executive	Receptionist	Other (Please specify):
② Factory worker		

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VH271144

14. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	(A)	®	VH271145
b. Stepmother	(A)	®	VH271146
c. Foster mother or other female legal guardian	(®	VH271147
d. Father	(A)	®	VH271148
e. Stepfather	(A)	®	VH271149
f. Foster father or other male legal guardian	(A)	®	VH271150

VH591969

15. In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?

8

- Never
- In some classes
- In about half of the classes
- In more than half of the classes
- © In all or almost all classes

VH271276

- **16.** In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

17. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

VH271337

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I finish whatever I begin.	(A)	B	0	0	Ē	VH271338
b.	I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH271339
c.	I keep working hard even when I feel like quitting.	(A)	®	0	0	©.	VH271342
d.	I keep trying to improve myself, even when it takes a long time to get there.	®	®	0	•	©	VH271345

VH733141

18. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	®	0	0	Œ	VH733142
b. I try very hard even after making mistakes.	(A)	®	0	0	Œ	VH733143
c. I keep working hard even when I feel like quitting.	(A)	®	0	0	©.	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	(A)	®	0	Φ	©.	VH733144

VH271367

19. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
as av wa	started working on ssignments right way rather than raiting until the last hinute.	0	®	0	0	©	VH271370
b. I p	paid attention and esisted distractions.	A	B	0	0	Œ	VH271372
w	stayed on task ithout reminders om my teacher.	(9)	®	0	0	Œ	VH271374
cla	paid attention in ass even when I was ot interested.	(A)	®	0	0	Œ	VH271375

VH271749

20. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I like complex problems more than easy problems.	(A)	®	0	0	Œ	VH271750
b.	I like activities that challenge my thinking abilities.	(A)	®	0	0	Œ	VH271752
c.	I enjoy situations where I will have to think about something.	®	®	0	0	©.	VH271753
d.	I enjoy thinking about new solutions to problems.	®	®	0	0	Œ	VH271756

VH733149

21. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a.	I like complex problems more than easy problems.	®	®	0	0	Œ	VH733150
b.	I like activities that challenge my thinking abilities.	®	®	0	0	Œ	VH733151
c.	I enjoy situations where I will have to think about something.	®	®	0	0	©.	VH733155
d.	I enjoy thinking about new solutions to problems.	(A)	®	0	0	Œ	VH733154

VH271934

22. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I felt awkward and out of place at school.	(A)	®	0	0	©	VH271942
b. I felt happy at school.	(A)	®	0	0	(E)	VH271944
c. I felt that I learned something that I can use in my daily life.	(A)	®	0	0	Œ	VH336903

VH740697

23. During this school year, which of the following have you done? Select **one** answer on each row.

	Yes	No	
a. Taken the SAT or ACT College Entrance Exams	0	®	VH740702
b. Submitted the Free Application for Federal Student Aid (FAFSA)		®	VH740703
c. Applied to a 2-year college	(A)	®	VH740704
d. Been accepted to a 2-year college	(A)	®	VH740705
e. Applied to a 4-year college	(A)	®	VH740706
f. Been accepted to a 4-year college	(A)	₿	VH740708
g. Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)	0	®	VH740709
h. Been accepted to a technical training program	(a)	®	VH740710
i. Talked with a military recruiter	(A)	®	VH740711
j. Enlisted in the military	(A)	®	VH740712
k. Applied for a full-time job	(A)	®	VH740713
1. Been interviewed for a full-time job	(A)	®	VH740714

13

24. Which of the following best describes your high school prog	gram?
---	-------

- General
- Academic or college preparatory
- © Vocational or technical

VH254028

25. Write the ZIP code of your home address in the box.

Spiral Map Grade 12 Core

Accnum	Grade	Grade 12 OMB PDF Sequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH240387	4, 8, 12	01 00	6	1, 2, 3, 4, 5, 6
VH240388	4, 8, 12		6	1, 2, 3, 4, 5, 6
VH240186	4, 8, 12	03_00	6	1, 2, 3, 4, 5, 6
VH271104	4, 8, 12	04_00	6	1, 2, 3, 4, 5, 6
VH271105	4, 8, 12	04_01	6	1, 2, 3, 4, 5, 6
VH336756	4, 8, 12	04_02	6	1, 2, 3, 4, 5, 6
VH336759	4, 8, 12	04_03	6	1, 2, 3, 4, 5, 6
VH336762	4, 8, 12	04_04	6	1, 2, 3, 4, 5, 6
VH591976	4, 8, 12	04_05	6	1, 2, 3, 4, 5, 6
VH271110	4, 8, 12	04_06	6	1, 2, 3, 4, 5, 6
VH271112	4, 8, 12	04_07	6	1, 2, 3, 4, 5, 6
VH240190	4, 8, 12	06_00	6	1, 2, 3, 4, 5, 6
VH240192	8, 12	08_00	6	1, 2, 3, 4, 5, 6
VH240193	8, 12	09_00	6	1, 2, 3, 4, 5, 6
VH271144	4, 8, 12	14_00	6	1, 2, 3, 4, 5, 6
VH271145	4, 8, 12	14_01	6	1, 2, 3, 4, 5, 6
VH271146	4, 8, 12	14_02	6	1, 2, 3, 4, 5, 6
VH271147	4, 8, 12	14_03	6	1, 2, 3, 4, 5, 6
VH271148	4, 8, 12	14_04	6	1, 2, 3, 4, 5, 6
VH271149	4, 8, 12	14_05	6	1, 2, 3, 4, 5, 6
VH271150	4, 8, 12	14_06	6	1, 2, 3, 4, 5, 6
VH254028	8, 12	25_00	6	1, 2, 3, 4, 5, 6
VH740697	12	23_00	6	1, 2, 3, 4, 5, 6
VH740702	12	23_01	6	1, 2, 3, 4, 5, 6
VH740703	12	23_02	6	1, 2, 3, 4, 5, 6
VH740704	12	23_03	6	1, 2, 3, 4, 5, 6
VH740705	12	23_04	6	1, 2, 3, 4, 5, 6
VH740706	12	23_05	6	1, 2, 3, 4, 5, 6
VH740708	12	23_06	6	1, 2, 3, 4, 5, 6

Spiral Map Grade 12 Core

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH740709	12	23_07	6	1, 2, 3, 4, 5, 6
VH740710	12	23_08	6	1, 2, 3, 4, 5, 6
VH740711	12	23_09	6	1, 2, 3, 4, 5, 6
VH740712	12	23_10	6	1, 2, 3, 4, 5, 6
VH740713	12	23_11	6	1, 2, 3, 4, 5, 6
VH740714	12	23_12	6	1, 2, 3, 4, 5, 6
VH240194	12	24_00	6	1, 2, 3, 4, 5, 6
VH336776	8, 12	10_00	6	1, 2, 3, 4, 5, 6
VH336779	8, 12	12_00	6	1, 2, 3, 4, 5, 6
VH336878	12	11_00	6	1, 2, 3, 4, 5, 6
VH336885	12	13_00	6	1, 2, 3, 4, 5, 6
VH591969	4, 8, 12	15_00	6	1, 2, 3, 4, 5, 6
VH271276	4, 8, 12	16_00	6	1, 2, 3, 4, 5, 6
VH354591	4, 8, 12	05_00	6	1, 2, 3, 4, 5, 6
VH271337	4, 8, 12	17_00	3	1, 2, 6
VH271338	4, 8, 12	17_01	3	1, 2, 6
VH271339	4, 8, 12	17_02	3	1, 2, 6
VH271342	4, 8, 12	17_03	3	1, 2, 6
VH271345	4, 8, 12	17_04	3	1, 2, 6
VH271367	4, 8, 12	19_00	6	1, 2, 3, 4, 5, 6
VH271370	4, 8, 12	19_01	6	1, 2, 3, 4, 5, 6
VH271372	4, 8, 12	19_02	6	1, 2, 3, 4, 5, 6
VH271374	4, 8, 12	19_03	6	1, 2, 3, 4, 5, 6
VH271375	4, 8, 12	19_04	6	1, 2, 3, 4, 5, 6
VH271749	4, 8, 12	20_00	3	1, 2, 6
VH271750	4, 8, 12	20_01	3	1, 2, 6
VH271752	4, 8, 12	20_02	3	1, 2, 6
VH271753	4, 8, 12	20_03	3	1, 2, 6
VH271756	4, 8, 12	20_04	3	1, 2, 6

Spiral Map Grade 12 Core

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH271934	4, 8, 12	22_00	6	1, 2, 3, 4, 5, 6
VH271942	4, 8, 12	 22_01	6	1, 2, 3, 4, 5, 6
VH271944	4, 8, 12	22_02	6	1, 2, 3, 4, 5, 6
VH336903	4, 8, 12	22_03	6	1, 2, 3, 4, 5, 6
VH240189	4, 8, 12	07_00	6	1, 2, 3, 4, 5, 6
VH733141	4, 8, 12	18_00	3	3, 4, 5
VH733142	4, 8, 12	18_01	3	3, 4, 5
VH733143	4, 8, 12	18_02	3	3, 4, 5
VH733145	4, 8, 12	18_03	3	3, 4, 5
VH733144	4, 8, 12	18_04	3	3, 4, 5
VH733149	4, 8, 12	21_00	3	3, 4, 5
VH733150	4, 8, 12	21_01	3	3, 4, 5
VH733151	4, 8, 12	21_02	3	3, 4, 5
VH733155	4, 8, 12	22_03	3	3, 4, 5
VH733154	4, 8, 12	22_04	3	3, 4, 5

Appendix I-1f: Pilot Grade 12 Reading

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

VH731527

1. For your English/language arts class so far this year, how many times have you done each of the following? Select **one** answer choice on each row.

	Never	Once	2 or 3 times	4 or 5 times	6 or more times	
a. Made a presentation to the class about something that you have read	0	®	0	Θ	©.	VH731530
b. Done a project about something that you have read (for example, written a play, created a website)	0	(G)	0	Θ	(VH731529

VH332887

2. For your English/language arts class this year, how often do you do each of the following? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
		®	®	0	0	©.	VH332888
groups to	pairs or small o talk about ng that we d	®	®	0	0	©.	VH652035
c. Discuss interpret we have	ations of what	(A)	®	0	0	Œ	VH652037

VH260254

3. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Evaluate the main evidence in a persuasive/argument passage	(A)	®	0	•	©	VH260256
b. Analyze the author's organization of information in a passage	(A)	®	0	Θ	Œ	VH333142
c. Critique the author's craft or technique	(A)	®	0	0	Œ	VH333144

VH333074

4. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Summarize the passage	(A)	®	0	0	Œ	VH333075
b.	Interpret the meaning of the passage	(A)	®	0	0	Œ	VH333076
c.	Question the motives or feelings of the characters	(A)	®	0	0	Œ	VH333079
d.	Identify the main ideas of the passage	A	®	0	0	Œ	VH333078
e.	Identify the themes of the passage	(A)	®	0	0	Œ	VH333094
f.	Analyze two or more texts on the same topic	A	®	0	0	Œ	VH333077

			VH588774
5.	sen	school this year, how often have you been asked to write long answers (several atences or paragraphs) to questions on tests or assignments that involved ding?	
	(A)	Never	
	®	Once	
	0	Two or three times	
	0	Four or five times	
	(E)	More than five times	
			VH598636
6.		a typical school day, how much time do you use a computer or other digital vice to do your English/language arts schoolwork?	
	igorplus	Less than 30 minutes	
	$^{\odot}$	About 30 minutes	
	0	About 1 hour	
	0	About 2 hours	
	(E)	About 3 hours	
	(E)	4 or more hours	
7.		nis school year, how often do you borrow reading materials (such as books or agazines) from your classroom library, school library, or media center?	VH460301
	(A)	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	

VH260847

8. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Figure out the meaning of a word you don't know by using other words in the text	(9)	®	0	•	©.	VH260848
b.	Explain the meaning of something you have read	(A)	B	0	0	Œ.	VH260849
c.	Figure out the main idea of a text	A	®	0	0	Œ	VH260851
d.	Find text in a reading passage to help you answer a question on a test	(9)	®	0	0	©.	VH260859
e.	Recognize when you don't understand something you are reading	(4)	®	0	0	Œ	VH260861

VH611300

9. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Recognize the difference between fact and opinion in a text	(4)	®	0	0	©.	VH260863
b.	Judge the reliability of sources (for example, how a website might be biased or inaccurate)	(4)	®	0	0	©.	VH260857
c.	Critique an author's craft or technique	A	®	0	0	Œ	VH260866
d.	Use evidence from a text to support my answer	(9)	®	0	0	Œ	VH616841
e.	Identify the author's perspective in a persuasive text	(4)	®	0	0	Œ	VH260868

VH260926

10. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at reading.	(A)	®	0	0	©	VH260928
b.	I want to show others that my English/ language arts schoolwork is easy for me.	(4)	®	0	0	©	VH260929
c.	I want to look smart in comparison to the other students in my English/language arts class.	0	®	0	Φ	©.	VH260930
d.	I want to learn as much as possible in my English/language arts class.	(4)	®	0	0	©.	VH260931
e.	I want to become a better reader this year.	(A)	®	0	0	Œ	VH260934
f.	I want to understand as much as I can in my English/language arts class.	(4)	®	0	0	©.	VH260938

VH589132

11. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of favorite activities		(A)	B	0	0	Ē	VH260271
b. I like talking about books with other people.	ıt	(A)	®	0	0	©.	VH260272
c. I think reading is important.		(A)	B	0	0	Œ	VH260275
d. I enjoy going to a bookstore or a lib	rary.	A	®	0	0	Œ	VH260277

VH598686

- 12. Besides doing homework, how much time do you spend reading outside of school?
 - Less than 30 minutes a day
 - About 30 minutes a day
 - About 1 hour a day
 - About 2 hours a day
 - © About 3 hours a day
 - 4 or more hours a day

VH332820

13. How often do you receive help from a tutor, family member, or friend with English/language arts **outside of school or after school**?

7

- Never
- About once or twice a year
- About once or twice a month
- About once or twice a week
- © Every day or almost every day

VH261065

14. How often do you typically read each of the following **outside of school** (print or online)? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Stories or novels	A	®	0	0	Œ	VH261066
b. Poems	(A)	®	0	0	Œ	VH261067
c. Plays	A	®	0	0	Œ	VH261068
d. Biographies	A	®	0	0	Œ	VH617043
e. Comic books	A	®	0	0	Œ	VH261070
f. Magazines	A	®	0	0	Œ	VH261071
g. E-mails	(A)	®	0	0	Œ	VH261074
h. Text messages	A	®	0	0	Œ	VH261075

VH260906

15. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Talk about books (print or online) with other people	(A)	®	0	0	Ē	VH260907
b.	Go to my local library to borrow books (print or online)	(A)	®	0	0	Œ	VH260911
c.	Read blogs	A	®	0	0	(E)	VH260913
d.	Use social media (for example, Facebook, Twitter, Instagram)	(A)	®	0	0	Œ	VH333261
e.	Help friends with reading homework	(A)	®	0	0	Œ	VH260917

			VH24039
16.		e you currently enrolled in or have you taken an Advanced Placement P [®]) course in English/language arts? Select all that apply.	
	(A)	Yes, I am enrolled in or have taken Advanced Placement (AP) English Language and Composition.	
	®	Yes, I am enrolled in or have taken Advanced Placement (AP) English Literature and Composition.	
	0	No, I have never taken an Advanced Placement (AP) English/language arts course.	
			VH24000
17.		e you currently enrolled in or have you taken the International Baccalaureate [®]) Language A1 course?	
	(A)	Yes	
	lacktriangle	No	
10	Λ - ν - ο	a viou guerrantly annulled in or have viou taken any online English (language arts	VH24000
18.		e you currently enrolled in or have you taken any online English/language arts urses for high school or college credit?	
	(A)	Yes	
	®	No	

Appendix I-1g: Pilot Grade 12 Mathematics

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

VH240819

1. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the **most recent** year you took it. INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II). Select **one** answer choice on each row.

		I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
a.	Basic or general mathematics course	(A)	®	0	0	Ē	(P)	VH240820
b.	Tech-prep mathematics, business mathematics, consumer mathematics, or other applied mathematics course	(4)	®	0	Φ	©	Θ	VH240844
c.	Introduction to algebra or pre-algebra course	(A)	®	0	0	Ē	(F)	VH240822
d.	Algebra I course	A	®	O	0	(E)	(Ē)	VH240823
-	Geometry course	(A)	®	©	0	Œ	Ð	VH240824
f.	Algebra II course, with or without trigonometry	(9)	®	0	0	Ē	©	VH240825
g.	Trigonometry (as a separate course)	(4)	®	0	0	Œ	Œ.	VH240826
h.	Pre-calculus course (also called introductory analysis)	Ø	®	0	Θ	(£)	Θ	VH240833
i.	Integrated mathematics 1 (first year of a multi-year course)	(4)	®	0	Θ	(£)	©	VH240841
j.	Integrated mathematics 2 (second year of a multi-year course)	®	®	0	0	©	(F)	VH240842
k.	Integrated mathematics 3 (third year of a multi-year course)	®	®	0	0	©	(F)	VH240843

		I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
1.	Integrated mathematics 4 (fourth year of a multi-year course)	(A)	ß	0	0	©.	©	VH240821
m	Probability or statistics course	(A)	®	0	0	Œ	(Ē)	VH240836
n.	Calculus course	(A)	®	©	0	(E)	(Ē)	VH240829
0.	Computer programming course (such as C++, Visual Basic, etc.)	®	®	0	Φ	©.	©	VH240835
p.	Other mathematics course (specify):	(A)	®	0	0	Œ	©	VH240834

VH250444

- **2.** Are you currently enrolled in or have you taken any of the following Advanced Placement ($AP^{\textcircled{\$}}$) courses? Select **all** that apply.
 - Tes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.
 - (AP) Calculus BC.
 - © Yes, I am enrolled in or have taken Advanced Placement (AP) Statistics.
 - No, I have not taken any of the courses listed above.

VH240048

- **3.** Are you currently enrolled in or have you taken an International Baccalaureate[®] (IB) mathematics course?
 - A Yes
 - No

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- **4.** Are you currently enrolled in or have you taken any **online** mathematics courses for **high school or college credit**?
 - A Yes
 - No

VH240050

- **5.** Was there a mathematics course that you would have liked to have taken this school year but did not take?
 - Yes, but my school does not offer the course.
 - Yes, but the course was full.
 - © Yes, but I did not have the necessary prerequisites.
 - Yes, but my schedule was full.
 - © No, there was no other course that I wanted to take.

VH240763

6. Please indicate how much you DISAGREE or AGREE with the following statements. Select **one** answer choice on each row.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. Math is one of my favorite subjects.	A	®	O	0	VH240768
b. I take mathematics because it will help me in the future.	<u>@</u>	®	0	0	VH240770
c. I take mathematics to meet my high school graduation requirements.	0	®	0	0	VH240767

VH267478

7. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I enjoy doing math.	(A)	®	0	0	Œ	VH267479
b.	I look forward to my math class.	(A)	®	0	0	Œ	VH267481
c.	I am interested in the things I learn in math.	(A)	®	0	0	Œ	VH617324
d.	I think making an effort in math is worthwhile.	(A)	®	0	0	Œ	VH267485
e.	I think math will help me even when I am not in school.	(A)	®	0	0	Œ	VH267486
f.	I think it is important to do well in math.	(A)	®	0	0	©	VH267487
g.	I take mathematics because it will help me in the future.	(A)	®	0	0	Œ	VH651872
h.	I take mathematics to meet my high school graduation requirements.	®	®	©	0	©.	VH651874

VH731852

8. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I enjoy doing math.	(A)	®	©	0	Œ	VH731853
b.	I look forward to my math class.	(A)	®	0	0	Œ	VH731854
c.	I am interested in the things I learn in math.	(A)	®	0	0	Œ	VH731858
d.	I think making an effort in math is worthwhile.	(A)	®	0	0	Œ	VH731855
e.	I think math will help me even when I am not in school.	(A)	(B)	0	0	Œ	VH731860
f.	I think it is important to do well in math.	(A)	®	0	0	Œ	VH731857
g.	I take mathematics because it will help me in the future.	(A)	®	0	0	Œ	VH731859
h.	I take mathematics to meet my high school graduation requirements.	®	®	0	0	©.	VH731856

VH240051

9. Are you currently taking a mathematics course?

- A Yes
- ® No

			VH350115
10.		school this year, how often have you been asked to write long answers (several tences or paragraphs) to questions on tests or assignments that involved math?	
	(A)	Never	
	B	Once	
	0	Two or three times	
	0	Four or five times	
	(E)	More than five times	
			VH350116
11.		school this year, how often do you work in pairs or small groups to talk about mething that you have done in math?	
	(A)	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	Œ	Every day or almost every day	
			VH266754
12.		w often do you use a computer or other digital device (excluding handheld culators) for math at school ?	
	\bigcirc	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	Œ	Every day or almost every day	

VH336233

- **13.** How often do you receive help or tutoring with math **outside of school or after school**?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH266808

14. In your math class this year, how often have you used the following types of calculators? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. Basic calculator	A	®	©	0	Œ	VH266809
b. Graphing calculator	A	®	0	0	Œ	VH266810

VH589166

15. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a.	My teacher used computers or other digital devices to show us how to work through math problems.	(4)	®	0	Φ	©.	VH267416
b.	I used the Internet for my math work.	(A)	B	0	0	Œ	VH267417
c.	My teacher used computers or other digital devices when teaching math to my class.	(4)	®	0	0	Œ	VH588077
d.	My teacher required us to use computers or other digital devices to complete math assignments.	(3)	®	0	•	Œ	VH267419

VH336036

- **16.** In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to complete your math assignments?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH336037

- 17. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

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71	T	11	70	0

- **18.** In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to take an online practice test?
 - Never
 - ® Once
 - © Two or three times
 - Four or five times
 - More than five times

VH268936

- 19. How often do you use math in everyday life outside of school?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH589204

20. How often do you participate in each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about math problems with your friends	(A)	®	0	0	©	VH268946
b. Program computers	(A)	®	0	0	(E)	VH268949
c. Play an instrument and read music	(A)	®	0	0	Ē	VH268961
d. Go to websites for help with your math homework	(A)	®	0	0	Œ	VH268962

21. Ha	ve you ever	helped you	r friends w	ith their	math homew	ork?
---------------	-------------	------------	-------------	-----------	------------	------

A Yes

No

VH269037

22.	Over the past seven days, how many days have you helped your friends with their
	math homework? Enter the number of days.

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23. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

VH589192

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Estimate the weight of 5 apples using pounds (lbs.)	®	®	0	0	Œ	VH267674
b.	Divide 42 stickers among 6 students	A	B	0	0	Œ	VH617317
c.	Determine a 20 percent tip of a 67-dollar restaurant dinner bill	(4)	®	0	0	Ē	VH267679
d.	Describe the properties shared by every isosceles right triangle	(A)	®	0	0	Œ	VH267681
e.	Find the amount of carpet needed to cover a rectangular floor if you know its length and width	®	®	0	0	Œ	VH267682
f.	Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	(4)	®	0	0	©	VH267683

VH269048

24. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at math.	(A)	®	0	0	Œ	VH269049
b.	I want to show others that my math schoolwork is easy for me.	(8)	®	0	0	©	VH269050
c.	I want to look smart in comparison to the other students in my math class.	(®	0	0	Œ	VH269053
d.	I want to learn as much as possible in my math class.		®	0	0	Œ	VH269059
e.	I want to become better in math this year.	(A)	®	0	0	Œ	VH269056
f.	I want to understand as much as I can in my math class.	(A)	®	0	0	Œ	VH269060

VH731865

25. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at math.	(A)	®	0	0	©.	VH731866
b.	I want to show others that my math schoolwork is easy for me.	(A)	®	0	0	©	VH731867
c.	I want to look smart in comparison to the other students in my math class.	®	®	0	0	©.	VH731868
d.	I want to learn as much as possible in my math class.	(A)	®	0	0	Œ	VH731872
e.	I want to become better in math this year.	(A)	®	0	0	©.	VH731870
f.	I want to understand as much as I can in my math class.	A	®	0	0	Œ	VH731873

13

VH267498

26. How much do you enjoy solving each of the following types of math problems? Select **one** answer choice on each row.

		Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	
a.	Addition, subtraction, multiplication, and division	(4)	®	0	0	Œ	VH267499
b.	Finding areas of shapes and figures	(A)	®	0	0	Œ	VH267501
c.	Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	(4)	®	0	0	(E)	VH267502
d.	Solving equations or simplifying expressions	(A)	®	0	0	Œ	VH267503
e.	Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	(4)	®	0	Θ	(E)	VH267504
f.	Working with geometric figures like rectangles and squares	(A)	®	0	0	Œ	VH267505

VH460329

- **27.** How often do you play digital games (for example, apps, video games, or computer games) **outside of school** that involve math?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

			VH46033
28.		w often do you use a computer, tablet, smartphone, or gaming console outside school to play educational games that involve math?	
	\bigcirc	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	(E)	Every day or almost every day	
			VH46034
29.		w often do you use a computer, tablet, smartphone, or gaming console outside school to play popular games that involve math?	
	(A)	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	Œ	Every day or almost every day	

VH613511

30. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Create an expression that represents the average number of miles you run in a week if you run 100 miles in w weeks	(4)	®	0	Φ	Œ	VH460383
b.	Create an expression to show how old you will be in <i>n</i> years if you are 8 years old today	(4)	®	0	0	(i)	VH460386
c.	Create an expression that shows the number of wheels on <i>n</i> wagons if each wagon has 4 wheels	(9)	®	0	Φ	Œ	VH460389
d.	Explain how you know the number of books you can buy if you know the price of each book and you have \$35	(9)	®	0	Θ	(VH460391

VH613523

31. Thinking about math, do you think that you would be able to do each of the following? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Decide if your classmate's math work is correct	®	®	0	0	Œ	VH460398
b.	Give an example to show that a math statement is false	®	®	0	0	Œ	VH460399
c.	Explain to your classmate how you solved a math problem	(8)	®	0	0	Œ	VH460910
d.	Use correct mathematical words and symbols to communicate ideas about math	®	®	0	0	©.	VH460900
e.	Use correct mathematical words and symbols when showing your work	(9)	®	0	0	©.	VH460902
f.	Use definitions of geometric shapes to support an argument	(8)	®	0	0	Œ	VH460912

17

32.	Have you ever participated in a math study group outside of school ?	VH460923
	Yes	
	® No	
33.	Over the past seven days, how many days have you participated in a math study group outside of school ? Enter the number of days.	VH460925
34.	Have you ever participated in a math study group at school ? ① Yes	VH460401
35.	 No Over the past seven days, how many days have you participated in a math study group at school? Enter the number of days. 	VH460877

Accnum	Grade	Grade 12 OMB PDF Sequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH240819	12	01_00	4	2,3,5,6
VH240820	12	01_01	4	2,3,5,6
VH240844	12	01_02	4	2,3,5,6
VH240822	12	01_03	4	2,3,5,6
VH240823	12	01_04	4	2,3,5,6
VH240824	12	01_05	4	2,3,5,6
VH240825	12	01_06	4	2,3,5,6
VH240826	12	01_07	4	2,3,5,6
VH240833	12	01_08	4	2,3,5,6
VH240841	12	01_09	4	2,3,5,6
VH240842	12	01_10	4	2,3,5,6
VH240843	12	01_11	4	2,3,5,6
VH240821	12	01_12	4	2,3,5,6
VH240836	12	01_13	4	2,3,5,6
VH240829	12	01_14	4	2,3,5,6
VH240835	12	01_15	4	2,3,5,6
VH240834	12	01_16	4	2,3,5,6
VH250444	12	02_00	4	2,3,5,6
VH240048	12	03_00	4	2,3,5,6
VH240049	12	04_00	4	2,3,5,6
VH240050	12	05_00	4	2,3,5,6
VH240763	12	06_00	2	3,4
VH240768	12	06_01	2	3,4
VH240770	12	06_02	2	3,4
VH240767	12	06_03	2	3,4
VH267478	12	07_00	2	1, 2
VH267479	12	07_01	2	1, 2
VH267481	12	07_02	2	1, 2
VH617324	12	07_03	2	1, 2

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH267485	12	07_04	2	1,2
VH267486	12	07_05	2	1,2
VH267487	12	07_06	2	1,2
VH651872	12	07_07	2	1,2
VH651874	12	07_08	2	1,2
VH731852	12	08_00	2	5,6
VH731853	12	08_01	2	5,6
VH731854	12	08_02	2	5,6
VH731858	12	08_03	2	5,6
VH731855	12	08_04	2	5,6
VH731860	12	08_05	2	5,6
VH731857	12	08_06	2	5,6
VH731859	12	08_07	2	5,6
VH731856	12	08_08	2	5,6
VH240051	12	09_00	4	1,3,4,6
VH350115	12	10_00	4	1,3,4,6
VH350116	12	11_00	4	1,3,4,6
VH266754	12	12_00	4	1,3,4,6
VH336233	12	13_00	4	1,2,4,5
VH266808	12	14_00	4	1,3,4,6
VH266809	12	14_01	4	1,3,4,6
VH266810	12	14_02	4	1,3,4,6
VH589166	12	15_00	4	1,3,4,6
VH267416	12	15_01	4	1,3,4,6
VH267417	12	15_02	4	1,3,4,6
VH588077	12	15_03	4	1,3,4,6
VH267419	12	15_04	4	1,3,4,6
VH336036	12	16_00	4	1,3,4,6
VH336037	12	17_00	4	1,3,4,6
VH617207	12	18_00	4	1,3,4,6

Accnum	Grade	Grade 12 OMB PDF Sequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH268936	12	19_00	4	2,3,5,6
VH589204	12	20_00	4	1,2,4,5
VH268946	12	20_01	4	1,2,4,5
VH268949	12	20_02	4	1,2,4,5
VH268961	12	20_03	4	1,2,4,5
VH268962	12	20_04	4	1,2,4,5
VH336085	12	21_00	4	1,2,4,5
VH269037	12	22_00	4	1,2,4,5
VH589192	12	23_00	4	1,2,4,5
VH267674	12	23_01	4	1,2,4,5
VH617317	12	23_02	4	1,2,4,5
VH267679	12	23_03	4	1,2,4,5
VH267681	12	23_04	4	1,2,4,5
VH267682	12	23_05	4	1,2,4,5
VH267683	12	23_06	4	1,2,4,5
VH269048	12	24_00	2	1,2
VH269049	12	24_01	2	1,2
VH269050	12	24_02	2	1,2
VH269053	12	24_03	2	1,2
VH269059	12	24_04	2	1,2
VH269056	12	24_05	2	1,2
VH269060	12	24_06	2	1,2
VH731865	12	25_00	4	3,4,5,6
VH731866	12	25_01	4	3,4,5,6
VH731867	12	25_02	4	3,4,5,6
VH731868	12	25_03	4	3,4,5,6
VH731872	12	25_04	4	3,4,5,6
VH731870	12	25_05	4	3,4,5,6
VH731873	12	25_06	4	3,4,5,6
VH267498	12	26_00	4	1,2,4,5

Δ	accnum	Grade	Grade 12 OMB PDF Sequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH	1267499	12	26_01	4	1,2,4,5
VH	1267501	12	26_02	4	1,2,4,5
VH	1267502	12	26_03	4	1,2,4,5
VH	1267503	12	26_04	4	1,2,4,5
VH	1267504	12	26_05	4	1,2,4,5
VH	1267505	12	26_06	4	1,2,4,5
VH	1460329	12	27_00	4	2,3,5,6
VH	H460337	12	28_00	4	2,3,5,6
VH	H460341	12	29_00	4	2,3,5,6
VH	H613511	12	30_00	4	1,3,4,6
VH	1460383	12	30_01	4	1,3,4,6
VH	H460386	12	30_02	4	1,3,4,6
VH	1460389	12	30_03	4	1,3,4,6
VH	H460391	12	30_04	4	1,3,4,6
VH	1613523	12	31_00	4	1,3,4,6
VH	1460398	12	31_01	4	1,3,4,6
VH	1460399	12	31_02	4	1,3,4,6
VH	H460910	12	31_03	4	1,3,4,6
VH	1460900	12	31_04	4	1,3,4,6
VH	1460902	12	31_05	4	1,3,4,6
VH	H460912	12	31_06	4	1,3,4,6
VH	1460923	12	32_00	4	1,2,4,5
VH	1460925	12	33_00	4	1,2,4,5
VH	1460401	12	34_00	4	1,2,4,5
VH	1460877	12	35_00	4	1,2,4,5

Appendix I-1h: Summary of Revisions Grade 4, 8, and 12 Science

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
1. In this school year, how often have you done activities or projects in science?	N/A	D	To keep student burden low and add new content
Never or hardly ever			consistent with
Once every few weeks			development for
About once a week			other subjects (2017 Math,
Two or three times a week			Reading,
© Every day or almost every day			Writing), this item was
(2015 Grade 4)			dropped.
8. In this school year, how often have you read a book or magazine about science? ① Never or hardly ever ③ Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
11. In this school year, how often have you discussed news stories about science? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		1
Previous item	2018 item	D/A/ R/NC+	Rationale
(2015 Grade 4)			
12. In this school year, how often have you worked with other students on a science activity or project?	N/A	D	To keep student burden low and add new content consistent with
Never or hardly ever			prior
Once every few weeks			development for other subjects
About once a week			(2017 Math,
Two or three times a week			Reading,
© Every day or almost every day			Writing), this item was
(2015 Grade 4)			dropped.
13. In this school year, how often have you presented what you learned about science to your class? ① Never or hardly ever ② Once every few weeks ② About once a week ② Two or three times a week ② Every day or almost every day (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
14. In this school year, how often have you taken a science test or quiz? ① Never or hardly ever ③ Once every few weeks ① About once a week ① Two or three times a week ① Every day or almost every day	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
(2015 Grade 4)			
15. In this school year, how often have you talked about measurements or results from your science activities or projects? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
This school year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments for science? Never or hardly ever Once every few weeks About once a week Two or three times a week Every day or almost every day (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student	
Previous item	2018 item	D/A/ Rationale R/NC+
19. In this school year, how often have you used your school library or media center resources for science (such as books, magazines, computers, and audio-video materials)? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day (2015 Grade 4)	N/A	D To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
20. In this school year, how often have you used computers for science? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day (2015 Grade 4)	N/A	D To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
21. How often do you do science activities that are not for schoolwork? ① Never or hardly ever ③ Sometimes ② Often ① Always or almost always (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
25. How much do you like studying science? Very little Some Quite a bit Very much (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
26. How often do you feel science is one of your favorite subjects? A Never or hardly ever Sometimes Often Always or almost always (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
27. In this school year, have you participated in a science club, a science fair, or a science competition? A Yes No (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was
28. In this school year, have you visited a museum, zoo, or aquarium to learn about science on a school trip? ① Yes ③ No (2015 Grade 4)	N/A	D	dropped. To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
29. In this school year, have you visited a museum, zoo, or aquarium to learn about science that was not on a school trip? ① Yes ③ No (2015 Grade 4)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 4 Science Student								
Previous item	2018 item	D/A/ R/NC+	Rationale					
30. How hard was this test compared to most other tests you have taken this year in school? Description: Descrip	N/A	NC	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.					
31. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? About as hard as on other tests Harder than on other tests Much harder than on other tests (2015 Grade 4)	N/A	NC	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 4 Science Student									
Previous item	2018 item	D/A/ R/NC+	Rationale						
32. How important was it to you to do well on this test? ① Not very important ② Important ② Very important (2015 Grade 4)	1. How important was it to you to do well on this test? ① Not very important ① Important ① Very important Issue: N/A	NC NC	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped from the Science questionnaire and moved to the Core questionnaire (Appendix F1-b). Please note that the purpose of debrief items is not to address an issue identified in the issues paper but to assess students' experience of taking the assessment. As such, this item is not classified by issue.						

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	2018 item	D/A/ R/NC+	Rationale
 In this school year, how often have you learned about living things (for example. plants, animals, bacteria)? Never or hardly ever Once in a while Sometimes Often Very often (2017 Grade 4)	1. In your science class this year, how often have you learned about living things (for example, plants, animals, or bacteria)? ② Never or hardly ever ③ Once in a while ② Sometimes ③ Often ① Very often Issue: Organization of Instruction	V18639012 R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items and (2) "or" was added to the examples per editorial review.
2. In this school year, how often have you learned about electricity (for example, circuits, batteries, and light bulbs)? Never or hardly ever Once in a while Sometimes Often Very often (2017 Grade 4)	2. In your science class this year, how often have you learned about electricity (for example, circuits, batteries, or light bulbs)? ① Never or hardly ever ② Once in a while ② Sometimes ③ Often ① Very often Issue: Organization of Instruction	Y38639027 R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items and (2) "and" was replaced with "or" in the examples per editorial review.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
3. In this school year, how often have you learned about chemicals (for example, mixing sugar or salt in water)? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Very often (2017 Grade 4)	3. In your science class this year, how often have you learned about chemicals (for example, vinegar, baking soda, or hydrogen peroxide)? © Never or hardly ever © Once in a while © Sometimes © Often © Very often Issue: Organization of Instruction	VIII R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items, and (2) the example content was revised based on cognitive interview results.
4. In this school year, how often have you learned about rocks or minerals (for example, looking at different rocks)? © Never or hardly ever © Once in a while © Sometimes © Often © Very often (2017 Grade 4)	4. In your science class this year, how often have you learned about rocks or minerals (for example, diamond, iron, or lava rock)? ② Never or hardly ever ③ Once in a while ③ Sometimes ④ Often ① Very often Issue: Organization of Instruction	R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items, and (2) the example content was revised based on cognitive interview results and stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	2018 item	D/A/	Rationale
		R/NC+	
5. In this school year, how often have you done science activities using scientific tools (for example, microscopes, thermometers, or weighing scales)? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 4)	5. In your science class this year, how often have you done science activities using scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)? Never or hardly ever Once in a while Sometimes Often Always or almost always Issue: Organization of Instruction	R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items, and (2) the example content was revised based on cognitive interview results.
6. In this school year, how often have you read from a science textbook? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 4)	6. In your science class this year, how often have you read from a science textbook (print or digital)? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Organization of Instruction	R R	The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items, and (2) "(print or digital)" was added based on stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
7. In this school year, how often have you learned about science topics on the Internet?	7. In your science class this year, how often have you learned about science topics on the Internet? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Organization of Instruction	R	The following revision was made: In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items.
8. In this school year, how often have you watched a short video clip, movie, or video about science topics? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 4)	8. In your science class this year, how often have you watched a short video clip, movie, or video about science topics? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Organization of Instruction	R	The following revision was made: In the set leader "In this school year" was changed to "In your science class this year" to create consistency
9. In this school year, how often have you been asked to write about science topics? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 4)	9. In your science class this year, how often have you been asked to write about science topics (for example, a science journal, lab report, or essay)? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always Issue: Organization of Instruction	R	across items. The following revisions were made: (1) In the set leader "In this school year" was changed to "In your science class this year" to create consistency across items, and (2) example content was added based on stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item							D/A/ R/NC+	Rationale	
10. Thinking about science following? Select one a	ce, do you thir answer choice	k that you wo on each row.	uld be able t	o do each of th	ie	VH638866	13. Thinking about science, do you think that you would be able to do each of the following activities? Select one answer choice on each row.							R	The following revision was
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can			made: Subitem
Describe the different procedures for heating or cooling a sample of water	®	•	0	Φ	0	VH638868	Describe different ways to heat or cool water	0	Φ	0	Ф	0	VH638868		"a", "b", "c", " "e", and "g"
b. Design a model showing how the length of a vibrating string affects the	®	•	0	Φ	©	VH638870	b. Describe how the length of a vibrating string affects the sound it makes	•	Ө	0	Θ	Θ	VH638870		were revised based on editorial, expe
motion of the waves that are produced							c. Design an experiment to show how sunlight affects the growth	0	Ф	0	0	Ф	VH638872.		committee, ar
c. Design an experiment to show how sunlight affects the growth of a type of plant	®	•	0	•	•	VH638872	of a plant d. Use examples to show how one living thing								stakeholder feedback.
d. Use evidence to show how one organism has	a	®	0	0	©	VH638875	has helped another to survive	0	Ф	0	Ф	Ф	VH638875		
helped the other to survive							 Describe what would happen to the number 								
e. Use a food chain to show how the removal of one animal affects another	®	®	0	0	•	VH638876	of frogs at a pond if all the insects were removed from the pond	0	Φ	0	Ф	0	VH638876		
f. Decide which tool to use if you want to measure wind speed	®	®	0	•	©	VH638883	f. Decide which tool to use if you want to measure wind speed	0	Ф	0	Ф	©	VH638883		
g. Predict the season based on a graph that shows the 30-day average temperature	0	Ф	0	Θ	Θ	VH638885	g. Describe why the weather in the summer is different than in the winter	•	Φ	0	Ф	Φ	VH638885		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							s item 2018 item							D/A/ R/NC+	Rationale
11. How much does each one answer choice on	of the follow each row.	ing statements	s describe a pe	erson like you	i? Select	VH639079	14. How much does each choice on each row.	of the follow	ring statemen	ts describe yo	u? Select one	answer	VII639073	R	The following revisions were
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			made: (1) In the
I want other students to think I am good at science.	®	(8)	0	Φ	€	VH639080	I want other students to think I am good at science.	8	(D)	0	Ф	Ф	VH639080		set leader "describe a
b. I want to show others that science schoolwork is easy for me.	0	(3)	0	0	©	VH639082	 I want to show others that science schoolwork is easy for me. 	8	Φ	0	Ф	0	VH639082		person like you was changed to
c. I want to look smart in comparison to the other students in my science class.	®	(3)	0	0	©	VH639084	 I want to look smart in comparison to the other students in my science class. 	Θ	(D)	0	Θ	Φ	VH639084		"describe you" based on expe
d. I want to learn as much as possible in my science class.	0	(8)	0	0	©	VH639086	d. I want to get better science grades than most other students in my class.	Θ	(D)	0	Φ	Φ	VH782329		committee and stakeholder
e. I want to become better in science this year.	@	(1)	0	0	•	VH639087	e. I want to learn as much as possible in my science class.	0	(D)	0	Ф	Ф	VI1639086		feedback, and (2) subitems "d
 I want to understand as much as I can in my science class. 	®	•	0	0	•	VH639089	f. I want to become better in science this year.	0	•	0	Φ	Φ	VH639087		and "h" were
2017 Grade 4)							g. I want to understand as much as I can in my science class.	0	0	0	Ф	Ф	VH639089		added to ensur consistency
							 I want to master a lot of new science skills in my class. 	0	Φ	0	Ф	Φ	VH732330		across subjects (2018 social

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	2018 item 15. In this school year, how often have you done each of the following activities outside of school? Select one answer choice on each row.							D/A/ R/NC+	Rationale The following revisions were						
12. How often do you participate in each of the following activities outside of school? Select one answer choice on each row.															
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			made: (1) In the set leader "Ho
Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	3	Ф	0	0	Φ	YH638970	Work on science-related projects (for example, making a volcano, growing plants from seeds, or building	Φ	Φ	0	Θ	•	VH638970		often do you participate" w changed to "Ir
b. Carry out advanced science-related projects with friends (for example, designing			i a i				b. Write or blog about science topics	8	Φ	0	Ф	Ф	VH638983		this school yea
a model of a bridge, building simple rockets, or designing bird feeders)	(3)	Φ	0	Φ.	Φ	VH638973	c. Use scientific tools (for example, microscopes, thermometers,	Ø	®	9	θ	θ	VI1638985		you done" to ensure consistency across items, (subitems "a" a
volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing	0	Φ	0	0	Φ	VH638977	beakers, or weighing scales) d. Read about science topics in books or magazines (print or digital)	Ø	(D)	0	Ф	©	VH638987		
water samples in the neighborhood, helping a scientist in a lab)							e. Attend clubs or programs that include science or engineering			T.P.					"b" were combined and
d. Write or blog about science topics	0	Φ	0	0	Ф	VH638983	activities (for example, chemistry club,	0	•	0	Φ	Φ	VH638991		the example
e. Use scientific instruments (for example, telescopes, microscopes, scales)	8	Ф	0	0	Ф	YH638985	robotics club, or coding programs) Issue: Student Fact	tors							content was revised based
f. Read about science topics in books, magazines, or on digital devices	0	Φ.	0	0	Φ	VH638987	issue. Student Fac	1013							cognitive interview stud
g. Attend clubs or programs that include science activities	0	Ф	0	0	Φ	VH638988									results, (3) subitem "c" w
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	Ø	Ф	0	0	Φ	VH638991									dropped, (4) subitems "e" and "f" wordin
2017 Grade 4)															was revised based on stakeholder feedback, and (5) subitems ", and "h" were combined and the example content was revised based cognitive

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						Grade 4 Science Student 2018 item						D/A/ R/NC+	Rationale		
															interview study results.
This school year, how often did you do the following things in your science class? Select one answer choice on each row. Always or							17. In this school year, how often have you done the following activities in your science class? Select one answer choice on each row.							R	The following revisions were
L	Never or hardly ever	Once in a while	Sometimes	Often	almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			made: (1) In the set leader "This school year, how often did you do" was changed to "In this school
a. Ask questions based on what you have seen (for example, "Why did that happen?")	0	0	Ø	0	θ	VH639150	Made a drawing that explains why or how something happens	0	Ф	0	Ф	0	VH639156		
Made a drawing that explains why or how something happens	0	Φ	0	Φ	•	VH639156	 Used a science experiment to answer a question 	8	®	0	Φ	0	VH639162		
c. Used a set of tests or experiments to answer a question	٥	Φ	0	0	Φ	VH639162	 Put information you collected into a table or graph 	⊗	Φ	0	Ф	0	VH639164		year, how often
d. Put information you collected into a table or a graph to look for	0	Φ	Ø	0	Φ	YH639164	d. Used evidence to explain why something happens e. Found news articles	0	(D)	0	0	.0	VH639166		have you done" to create
e. Decided whether to use numbers or words to explain a problem	®	Φ	0	0	Φ	VH639165	about science on the Internet	⊗.	Φ	0	Ф	0	VH63V169		consistency across items, (2)
f. Used evidence to explain why something happens	0	Φ	0	0	0	VH639166	Issue: Organization	on of Inst	ruction						subitems "a", "e", and "g"
g. Using what you learned, picked a side to support in a discussion about a science topic	Φ	Φ	0	0	Φ	VH639167									were dropped based on
h. Found news articles about science on the Internet	0	Φ	0	0	Θ	VH639169									cognitive interview study
2017 Grade 4)															results, and (3) subitem "d" was revised based or stakeholder feedback. This item was
N/A						18. How often do you talk ab someone in your family? Never or hardly ever Once in a while Sometimes Often Very often	out things you	have learned i	n science class v	with	= Vit/45458		A	added to align Science with previous development for Core.	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 4 Science Student								
Previous item	2018 item	D/A/ R/NO						
14. How often do you understand what the teacher talks about in science class? ② Never or hardly ever ③ Once in a while ③ Sometimes ③ Often ④ Always or almost always (2017 Grade 4)	10. In this school year, how often have you understood what the teacher talks about in science class? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Student Factors	R R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you understand" was changed to "have you understood" to create tense consistency across items.					
15. How often do you do a good job on your science tests? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always (2017 Grade 4)	11. In this school year, how often have you done well on your science tests? ① Never or hardly ever ① Once in a while ② Sometimes ① Often ① Always or almost always Issue: Student Factors	R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review.					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
16. How often do you do a good job on your science assignments? ① Never or hardly ever ① Once in a while ② Sometimes ① Often ① Always or almost always	12. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ② Always or almost always Issue: Student Factors	R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review, and (3) example content was added based on cognitive interview feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	Grade 4 Science	D/A/ R/NC+	Rationale								
/A	16. How much does each ochoice on each row.	16. How much does each of the following statements describe you? Select one answer choice on each row.									
		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	771		Science with		
	a. I enjoy science activities.	00	Ф	0	Φ	Φ	VH639117		previous development for		
	b. I look forward to my science class.	0	Φ	©	Φ	Ф	VH639120		other subjects		
	c. I am interested in the things I learn in science class.	0	Φ	0	Φ	Ф	VH639122		(2017 Math, Reading,		
	d. I think making an effort in science class is worthwhile.	0	(D)	0	Ф	Φ	VH63V125		Writing).		
	e. I think science will help me even when I am not in school.	0	Œ.	0	Ф	Ф	VH639127				
	f. I think it is important to do well on science assignments.	0	Ф	0	0	Ф	VH63VI28				
	Issue: Student Fac	tors	•			•					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							Grade 8 Science Student		
Previous item							2018 item	D/A/ R/NC+	Rationale
l. In your science class this year one oval on each line.	, which of	the follow	ing topics			vcan4978 Fill in	N/A	D	To keep student burden low and add new conten
Life science (for example, bit body, or ecology)	iology, the	human	(A)	®		VC304982			consistent with prior
b. Physical science (for examp chemistry)	ole, energy,	physics, o	r 🕲	(B)		VC304983			development fo other subjects
c. Earth and space science (for astronomy)			®	•		VC304984			(2017 Math, Reading,
d. Engineering and technology designing solutions to probl	(for exam lems)	ple,	(D)	(B)		VC304985			Writing), this
2015 Grade 8)									item was dropped.
 In your science class this year on each line. 	r, how ofter	n do you do	each of th	he followin	g? Fill in o	vc304769 one oval	N/A	D	To keep studen burden low and
	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day				add new conter consistent with prior
Discuss events in the news that are related to what you are learning in science class	(4)	(11)	0	•	•	VC304771			development for other subjects (2017 Math,
b. Work with other students on a science project or activity	(4)	(1)	0	0	•	VC304772			Reading, Writing), this
c. Present what you learned about science to your class	(A)	®	0	0	(VC304778			item was dropped.
			0	0	(E)	VC720564			aroppea.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							Grade 8 Science Student			
Previous item							2018 item	D/A R/N	A/ NC+	Rationale
6. In this school year, he you been asked to wr (several sentences or questions on tests or science? ① Never or hardly conce every few wown about once a week of the Every day or almost (2015 Grade 8)	ite long paragrap assignm ever veeks ek es a wee	n have answer shs) to ents for					N/A	D		To keep student burden low and add new conten consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
5. In your science class this year on each line.	r, how ofter	Once every few weeks	About once a week	Two or three times a week	g? Fill in Every day or almost every day	vc720622 one oval	N/A	D		To keep student burden low and add new content consistent with prior
a. Identify questions that can be addressed through science experiments	(A)	(1)	0	•	©	VC720623				development for other subjects
b. Design a science experiment	(A)	(B)	0	0	(D)	VC720634				(2017 Math, Reading,
c. Talk about measurements you took for your science project or activity	(A)	®	0	0	•	VC720635				Writing), this item was
d. Talk about the results of your science project or activity	(A)	(11)	0	•	•	VC720636				dropped.
e. Watch your teacher do a science experiment or activity	(A)	(11)	0	•	•	VC720638				
f. Make graphs or charts of the results from your science project or activity	(A)	(B)	0	0	•	VC720639				
g. Write about your science activities or projects (such as reports, science journals, or lab write-ups)	(A)	(B)	0	0	•	VF633111				
(2015 Grade 8)										

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

						Grade 8 Science Student		
Previous item						2018 item	D/A/ R/NC+	Rationale
8. In this school year, how often you used your school library of center resources for science (subooks, magazines, computers, audio-video materials)? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every	r media ich as and	84				N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
(2015 Grade 8)	6463					N/A		To loo a standard
9. In this school year, how often have you sed computers for science? ① Never or hardly ever ① Once every few weeks ② About once a week ① Two or three times a week ① Every day or almost every day (2015 Grade 8)						N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
13. Please indicate how much you DISAGR about science. Fill in one oval on each l	REE or AG	REE with th	e followin	g stateme	VC305330 nts	N/A	D	To keep student burden low and
about science. Fill in one oval on each I	Strongly disagree	Disagree	Agree	Strongly agree				add new content
I do science-related activities that are not for schoolwork.	(A)	(B)	©	©	VC305348			consistent with
b. I like science.	(A)	(18)	0	0	VC305350			development for
c. Science is one of my favorite subjects.	(A)	(1)	0	0	VC305351			other subjects
d. I take science only because I have to.	(A)	(3)	0	0	VC305352			(2017 Math,
e. I need to do well in science to get the job I want.	(A)	(3)	0	0	VH142495			Reading, Writing), this
 I would like a job that involves using science. 	(A)	(3)	0	0	VH142499			item was dropped.
(2015 Grade 8)								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

				Grade 8 Science Student		
Previous item				2018 item	D/A/ R/NC+	Rationale
14. In this school year, have you participoval on each line.	pated in any of the foll Yes	lowing activities?	vF633128 Fill in one	N/A	D	To keep student burden low and add new content
a. Science fair	(A)	(B)	VF633132			consistent with
b. Science club			VF633134			prior
	(A)	(B)	VF633135			development for
c. Science competition	(3)	(1)	VP633135			other subjects
(2015 Grade 8)						(2017 Math,
						Reading,
						Writing), this
						item was
						dropped.
	VF633304			N/A	D	To keep student
 In this school year, have y a museum, zoo, or aquari 	you visited					burden low and
about science on a school						add new content
						consistent with
Yes						prior
® No						development for
(2015 Grade 8)						other subjects
(2013 Grade 8)						(2017 Math,
						Reading,
						Writing), this
						item was
						dropped.
16. In this school year, have yo	VF633276			N/A	D	To keep student
a museum, zoo, or aquarium	m to learn					burden low and
about science that was not	on a school					add new content
trip?						consistent with
Yes						prior
® No						development for
						other subjects
(2015 Grade 8)						(2017 Math,
						Reading,
						Writing), this
						item was
						dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	2018 item	D/	Α/	Rationale
			NC+	
VR595184		VH240009 NC	;	To keep student
19. How important was it to you to do well on this test?	1. How important was it to you to do well on this test?			burden low and
Not very important	Not very important			add new content
® Somewhat important	© Somewhat important			consistent with
	© Important			prior
© Important				development for
Very important				other subjects
(2015 Grade 8)	Issue: N/A			(2017 Math,
				Reading,
				Writing), this
				item was
				dropped from
				the Science
				questionnaire
				and moved to
				the Core
				questionnaire
				(Appendix F1-b).
				Please note that
				the purpose of
				debrief items is
				not to address
				an issue
				identified in the
				issues paper but
				to assess
				students'
				experience of
				taking the
				assessment. As
				such, this item is
				not classified by
				issue.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 8 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
18. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? ① Not as hard as on other tests ① About as hard as on other tests ② Harder than on other tests ① Much harder than on other tests (2015 Grade 8)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
17. How hard was this test compared to most other tests you have taken this year in school? Description: Basier than other tests Description: Desc	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
In your science class the projects with any of the projects.	his year, how e following? S	often have yo Select one ans	u done hands-o swer choice on	on activities each row.	or	VH639071	In your science class t projects on any of the	his year, how following topi	often have yo cs? Select on	u done hands-o e answer choice	n activities on each ro	or v.	¥8639071	R	The following revisions were
	Never or hardly ever	Once in a while	Sometimes	Often	Very often			Never or hardly ever	Once in a while	Sometimes	Often	Very often			made: (1) "or"
 Living things (for example, plants, animals, bacteria) 	0	(8)	0	0	•	VH639072	Living things (for example, plants, animals, or bacteria)	0	(0	0	Ð	VH639072		was added to subitem "a"
b. Electricity (for example, circuits, batteries, and light bulbs)	0	(3)	0	•	•	VH639074	b. Electricity (for example, circuits, batteries, or light bulbs)	0	Φ	0	0	Œ	VH639074		based on editorial review
 Chemicals (for example, mixing or dissolving sugar or salt in water) 	0	•	0	•	•	VH639073	c. Chemicals (for example, vinegar, baking soda, or hydrogen peroxide)	0	Φ	0	0	Ð	V01639073		(2) "and" was replaced with "or" in subitem
 Rocks or minerals (for example, identifying types) 	0	®	0	•	©	VH639077	d. Rocks or minerals (for example, diamond, iron, or lava rock)	0	Φ	0	Ф	Φ	VH639077		"b", (3) examp
 Technology and engineering (for example, pulleys and levers) 	0	®	0	0	©	VH639076	e. Technology and engineering (for example, robots,	0	(D)	0	0	Ф	VH639076		content in subitems "c",
. Magnifying glass or microscope (for looking at small things)	•	(3)	0	0	•	VH639075	pulley systems, or ramps) Issue: Organization	n of Inst	ruction	11 2/2/91	1-21				"d", and "e" w
g. Thermometer or barometer (for making measurements)	•	®	0	Φ	©	VH639078	lisaci organizacio	0100	· action						cognitive interview study
2017 Grade 8)															results, and (4) subitems "f" ar "g" were move to VH639311 based on stakeholder

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
In your science class answer choice on each		often do you	do each of the fo	ollowing? Se	elect one	VH639311	5. In your science class t activities? Select one	his year, how nnswer choice	often have yo on each row.	u done each of	the followin	g	VH639311	R	The following revisions were
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			made: (1) In the item stem "do
a. Read from a science textbook b. Read a book or	®	(8)	0	•	0	VH639313	Read from a science textbook (print or digital)	8	Φ	0	0	Φ	VH639313		you do" was changed to
magazine about science topics c. Use the Internet to	®	•	0	Φ	•	VH639315	b. Read a book or magazine (print or digital) about science	0	Ф	0	Ф	Ф	VH639315		"have you done
learn about science topics d. Watch a short video clip, movie, or video	8	® ®	0	0	Φ	VH639314 VH639312	c. Used the Internet to learn about science topics	69	Φ	0	Φ	0	VH639314		consistency across items, (2
(2017 Grade 8)							d. Watched a short video clip, movie, or video about science topics	0	Ф	©	0	Φ	VH639312		"(print or
							e. Used a magnifying glass or microscope for looking at small things	0	0	0	Ф	Θ	VH639075		digital)" was added to
							f. Used a thermometer or weighing scale for making measurements	0	Ф	©	Ф	Ф	VH639078		subitems "a" ar "b" based on
							Issue: Organizatio	on of Inst	ruction						stakeholder feedback, and (3) subitems "e and "f" were revised and added from VH639071 base on stakeholder

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
3. Thinking about science following? Select one	ce, do you thin answer choice	k that you wo on each row.	ould be able t	o do each of th	ie	VH638866	Thinking about science following activities? S	e, do you thin elect one answ	k that you wo ver choice on o	ould be able t each row.	o do each of th	e	VH658866	R	The following revision was
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can	1.71		made: Subitem
Describe the different procedures for heating or cooling a sample of water	0	(6)	0	•	Θ	VH638868	Describe different ways to heat or cool water	0	Œ)	0	Ф	Ф	VH638868		"a", "b", "c", "c" "e", and "g"
b. Design a model showing how the length of a vibrating string affects the	0	®	0	0	Φ	VH638870	b. Describe how the length of a vibrating string affects the sound it makes	0	Φ	0	•	Φ	V91638870		were revised based on
motion of the waves that are produced	-4						Design an experiment to show how sunlight affects the growth	0	Φ	0	0	Ð	VH638872		editorial, expe
c. Design an experiment to show how sunlight affects the growth of a type of plant	•	•	0	Ф	©	VH638872	of a plant d. Use examples to show how one living thing	1031		_	1 2	1 2	VH638875		stakeholder
d. Use evidence to show how one organism has	0	®	0		®	VH638875	has helped another to survive	0	(D)	0	0	0	¥21648875		feedback.
helped the other to survive	9	9	9			111000013	e. Describe what would happen to the number						18.1		
e. Use a food chain to show how the removal of one animal affects another	0	®	0	Ф	Φ.	VH638876	of frogs at a pond if all the insects were removed from the pond	Φ	Φ	0	Ф	Φ	VH638876		
f. Decide which tool to use if you want to measure wind speed	0	⊕	0	Ф	Ф	VH638883	f. Decide which tool to use if you want to measure wind speed	0	Φ	•	Φ	Φ	V91638883		
g. Predict the season based on a graph that shows the 30-day average temperature	0	•	0	Φ	Φ	VH638885	g. Describe why the weather in the summer is different than in the winter	0	Ф	0	Φ	•	V91638885		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
4. How much does each one answer choice on		ing statements	s describe a pe	erson like you	? Select	VH639079	7. How much does each of the following statements describe you? Select one answer choice on each row.							R	The following revisions were
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			made: (1) In the
I want other students to think I am good at science.	0	®	0	Φ	•	VH639080	I want other students to think I am good at science.	0	®	0	0	Φ	VH639080		"describe a
b. I want to show others that science schoolwork is easy for me.	•	•	0	Φ	Œ	VH639082	b. I want to show others that science schoolwork is easy for me.	0	Ф	۵	Φ	©	VH639082		person like you was changed to
c. I want to look smart in comparison to the other students in my science class.	®	•	0	Φ	0	VH639084	c. I want to look smart in comparison to the other students in my science class.	0	Ф	0	Φ	0	VH639084		"describe you" based on exper committee and
d. I want to learn as much as possible in my science class.	®	(1)	0	0	•	VH639086	d. I want to get better science grades than most other students in	0	Φ.	Ō	0	®	VH732329		stakeholder
e. I want to become better in science this year.	®	(1)	0	•	®	VH639087	my class. e. I want to learn as								feedback, and (2) subitems "d
f. I want to understand as much as I can in my	®	®	0	0	©	VH639089	much as possible in my science class.	0	D	0	Ф	0	VH639086		and "h" were
science class. 2017 Grade 8)							f. I want to become better in science this year.	8	•	0	0	0	VH639087		added to ensure consistency
							g. I want to understand as much as I can in my science class.	0	Φ	Ø	Ф	Ф	VH639089		across subjects
							h. I want to master a lot of new science skills in my class.	0	©	0	Ф	Φ	VH732330		(2018 social studies).

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
3. Thinking about science following? Select one	Thinking about science, do you think that you would be able to do each of the following? Select one answer choice on each row.							e, do you thin elect one answ	k that you wo ver choice on o	ould be able t each row.	o do each of th	e	VH658866	R	The following revision was
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can	1.71		made: Subitem
Describe the different procedures for heating or cooling a sample of water	0	(6)	0	•	Θ	VH638868	Describe different ways to heat or cool water	0	Œ)	0	Ф	Ф	VH638868		"a", "b", "c", "c" "e", and "g"
b. Design a model showing how the length of a vibrating string affects the	0	®	0	0	Φ	VH638870	b. Describe how the length of a vibrating string affects the sound it makes	0	Φ	0	•	Φ	V91638870		were revised based on
motion of the waves that are produced	-4						Design an experiment to show how sunlight affects the growth	0	Φ	0	0	Ð	VH638872		editorial, expe
c. Design an experiment to show how sunlight affects the growth of a type of plant	•	•	0	Ф	©	VH638872	of a plant d. Use examples to show how one living thing	1031		_	1 2	1 2	VH638875		stakeholder
d. Use evidence to show how one organism has	0	®	0		®	VH638875	has helped another to survive	0	(D)	0	0	0	¥21648875		feedback.
helped the other to survive	9	9	9			111000013	e. Describe what would happen to the number						18.1		
e. Use a food chain to show how the removal of one animal affects another	0	®	0	Ф	Φ.	VH638876	of frogs at a pond if all the insects were removed from the pond	Φ	Φ	0	Ф	Φ	VH638876		
f. Decide which tool to use if you want to measure wind speed	0	⊕	0	Ф	Ф	VH638883	f. Decide which tool to use if you want to measure wind speed	0	Φ	•	Φ	Φ	V91638883		
g. Predict the season based on a graph that shows the 30-day average temperature	0	•	0	Φ	Φ	VH638885	g. Describe why the weather in the summer is different than in the winter	0	Ф	0	Φ	•	V91638885		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
How much does each one answer choice on	of the follow each row.	ng statement	s describe a pe	erson like you	ı? Select	VH639079	7. How much does each choice on each row.	of the follow	ving statement	ts describe yo	u? Select one a	inswer	VH639079	R	The following revisions were
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			made: (1) In t
 I want other students to think I am good at science. 	0	8	0	Φ	©	VH639080	I want other students to think I am good at science.	0	(0	Φ	Φ	VH639080		set leader "describe a
b. I want to show others that science schoolwork is easy for me.	0	•	0	0	Œ	VH639082	b. I want to show others that science schoolwork is easy for me.	0	Φ.	0	Φ	©	VH639082		person like yo was changed
 I want to look smart in comparison to the other students in my science class. 	0	•	0	Φ	0	VH639084	c. I want to look smart in comparison to the other students in my science class.	•	Ф	0	Φ	Φ	VH639084		"describe you and (2) subite "d" and "h" w
 d. I want to learn as much as possible in my science class. 	0	•	0	Φ	•	VH639086	d. I want to get better science grades than most other students in	0	Ф	ē	Φ	Φ	VH732329		added to ens
e. I want to become better in science this	⊗	•	0	Φ	®	VH639087	most other students in my class.								consistency
f. I want to understand as much as I can in my	0	®	0	Φ	(D)	VH639089	much as possible in my science class.	0	Φ	0	0	0	VH639086		across subjec
2017 Grade 8)	1						f. I want to become better in science this year.	0	®	0	Ф	Ф	VH639087		
							g. I want to understand as much as I can in my science class.	0	Φ	0	Ф	Ф	VH639089		
							 I want to master a lot of new science skills in my class. 	0	(D)	0	9	•	VH732330		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
5. How often do you part school? Select one ans			ving activities	outside of		VH658951	8. In this school year, how of school? Select one and	often have swer choice	you done each on each row.	of the follow	ing activities (outside	VH658951	R	The following revisions were
1	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			made: (1) In the
Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	®	Φ	9	0	Θ	VH638970	a. Work on science-related projects (for example, making a volcano, growing plants from seeds, or building	⊗	Ф	9	9	Θ	VH638970		often do you participate" wa changed to "In
b. Carry out advanced science-related projects with friends							b. Write or blog about science topics	0	Φ	0	Φ	0	VH638983		this school yea
(for example, designing a model of a bridge, building simple rockets, or designing bird feeders)	⊗	0	0	Θ	0	VH63897,1	c. Use scientific tools (for example, microscopes, thermometers, beakers, or weighing	0	Φ	Θ	Θ	θ	VH638985		you done" to ensure consistency
volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing	®	Φ	0	0	Φ	VH638977	scales) d. Read about science topics in books or magazines (print or digital)	•	Ф	0	Φ	Φ	VH638987		across items, (subitems "a" a "b" were
water samples in the neighborhood, helping a scientist in a lab)							e. Attend clubs or programs that include science or engineering								combined and
d. Write or blog about science topics e. Use scientific instruments (for example, telescopes,	Ø	Φ	9	0	0	VH638983	activities (for example, chemistry club, robotics club, or coding programs)	⊗	Φ	0	0	Θ	VH638991		the example content was revised based
microscopes, scales) f. Read about science topics in books, magazines, or on digital devices	0	Φ	0	0	©	VH638987	Issue: Student Fact	tors							cognitive interview stud
g. Attend clubs or programs that include science activities	⊗	•	0	0	Φ	VH638988									results, (3) subitems "c" a
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	®	0	0	0	Θ	VH63899)									"d" were dropped, (4) subitems "e"
2017 Grade 8)															and "f" wordin was revised based on stakeholder feedback, and (5) subitems "g and "h" were combined and the example content was revised based

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Previous item							2018 item							D/A/ R/NC+	Rationale	
															interview study results.	
6. This school year, how class? Select one answ	often did you er choice on e	do the follow ach row.	ring things in y	our science	42.	VH689733	10. In this school year, hor class? Select one answ			following activ	ities in your	science	VII639733	R	The following revisions were	
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			made: (1) In the	
a. Came up with research questions that could help explain how something works	0	0	©	0	Φ	VH639744	Came up with research questions to explore how something works	0	•	O	Ф	Ф	VH639744		was added to ensure	
 Made labeled drawings or models that explain why or how something happens 	∞	Φ	0	0	Φ	VH639749	b. Made drawings that explain why or how something happens	0	0	0	Φ	Φ	VI1639749		consistency across items, (2	
c. Evaluated the quality of a set of tests that you use to answer a research question	0	00	0	Φ	Φ	VH639753	c. Came up with experiments that you could use to answer a research question	Φ	(0	Ф	Ф	VH639753		"did you do" wa changed to	
d. Used tables, graphs, or statistics to identify relationships between variables	0	Φ	0	0	Θ	VH639760	d. Used tables or graphs to identify relationships between variables	Φ	•	0	Φ	Ф	VH639760		"have you done", and (3)	
e. Used mathematical representations to explain or support scientific conclusions	Ø	Φ	0	0	Φ	VH639763	e. Used math equations to explain or support scientific conclusions	Φ	•	Ø	Ф	Ф	VH639763		subitems "a", "b", "c", "d", "e	
f. Used evidence from experiments and measurements of variables to explain	Ø	•	0	0	Φ	VH639765	f. Used evidence from experiments to explain why something happens g. Used information to	•	•	0	Ф	Œ	VH639765		"f", "g", and "h were revised.	
why something happens			J = 1 - L		بمثار	11-	disagree with someone about a scientific idea	0	•	0	0	Ф	VI1639770			
g. Responded to disagreement about a scientific idea by using information you learned in class	®	Φ	0	Φ	Θ	V16639770	h. Combined information about science from multiple sources (for example, books, websites, or articles)	0	Θ	0	Φ	Θ	VH639777			
 Combined information about science from multiple sources for an assignment 	Ø	Φ	0	0	Φ	VH639777	for an assignment Issue: Organization	n of Inst	ruction				pt maked			
2017 Grade 8)																
7. In this school year, how are doing in science?		approach yo	ur teacher to ta	alk about ho	w you	VH688979	N/A							D	This item was dropped based on stakeholder	
Once in a while															feedback.	
© Sometimes																
Often																
Always or almost al-	ways															
2017 Grade 8)																

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 8 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
8. How often do you understand what the teacher talks about in science class? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 8)	1. In this school year, how often have you understood what the teacher talks about in science class? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always Issue: Student Factors		The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you understand" was changed to "have you understood" to create tense consistency across items.
9. How often do you do a good job on your science tests? © Never or hardly ever © Once in a while © Sometimes © Often © Always or almost always (2017 Grade 8)	2. In this school year, how often have you done well on your science tests? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Student Factors	R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item		2018 item							D/A/ R/NC+	Rationale
10. How often do you do a good job on your science assignments? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always (2017 Grade 8)	V94639033	3. In this school year, hor example, projects, hor Never or hardly even Once in a while Sometimes Often Always or almost a Issue: Student Fa	nework, or wer		ell on your s	cience assign	ments (for	YHKBOXI	R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review, and (3) example content was added based on cognitive interview feedback.
N/A		How much does each choice on each row.	of the follow	ving statemen	ts describe yo	u? Select one	answer	VH639115	А	This item was added to align
		Total Control	like me	like me	like me	like me	me Exactly like			Science with previous
		a. I enjoy science activities.	0	•	0	•	Φ	VH639117		development for
		b. I look forward to my science class.	0	Ф	0	Ф	0	VH639120		other subjects
		c. I am interested in the things I learn in science class.	0	Φ	0	Ф	Ф	VH639122		(2017 Math, Reading,
		d. I think making an effort in science class is worthwhile. e. I think science will	0	Ф	0	0	•	VH639125		Writing).
		help me even when I am not in school. f. I think it is important	0	Φ	0	Φ	Θ	VH639127		
		to do well on science	0	Φ		0	®	VH639128		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 8 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
N/A	11. How often do you talk about things you have learned in science class with someone in your family? Never or hardly ever Once in a while Sometimes Often Very often Ussue: Student Factors	А	This item was added to align Science with previous development for Core based on stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item								2018 item								D/A/ R/NC+	Rationale
Which courses have y If you have taken a co one oval on each line, topics that were only	urse more	than once, E courses ta	give the m	ost recent	year you to	ook it. Fill NOT INC	vczoszes in LUDE	Which courses have than once, give the INCLUDE courses as part of a longer of the course of the	most recer taken in su	it year you to	ook it. Selec	t one answer	choice on e	ach row.		NC	Please note the inline directions are different
a. Earth and space	Course not taken			I took this course in Grade 10	I took this course in Grade II	I am taking or have taken this course in Grade 12			I did not take this course.	I took this course in Grade 8.	I took this course in Grade 9.	course in Grade 10.	I took this course in Grade 11.	I am taking or have taken this course in Grade 12.			given the transition from PPT to DBA and they have been
science								a. General science b. First-year biology	0	00	0	0	Θ	© ©	VH241150 VH241151		moved to a
 b. Life science (other than biology) 	®	(B)	0	0	(D)	(D)	VC305814	c. Second-year biology	0	0	©	9	θ	®	VH241159		different part of
c. Physical science (other than	®	®	0	0	(D)	•	VC305815	d. Life science (other than biology)	•	Φ.	0	0	0	Ð	VH241148		the stem. Also
chemistry or physics)								e. First-year chemistry	0	0	0	0	Θ	®	VH241154		the subitems
d. General science	®	(8)	0	0	(D)	(VC305817	f. Second-year chemistry	•	0	0	0	0	®	VH241155		have been rearranged in
e. First-year biology	®	®	0	0	(D)	(D)	VC305819	g. First-year physics	0	0	0	0	Φ	®	VH241156		order to group
f. Second-year	®	®	0	0	(D)	①	VC305820	h. Second-year physics	0	Φ.	0	0	Φ	®	VH241157		them by area of
biology g. First-year	0	®	0	0	©	®	VC305821	i. Physical science (other than chemistry or	0	Ф	0	Ф	Φ	®	VH241140		science based of stakeholder
chemistry h. Second-year	®	(3)	0	0	(D)	(D)	VC305822	physics) j. Earth and space science	©	Φ.	0	Ф	Φ	Ð	VH241147		feedback. Give
chemistry								k. Engineering and technology	0	0	0	0	Θ	©	VH24) 158		the minute
i. First-year physics	(3)	(B)	0	0	(D)	(VC305823	I. Other science	11								nature of these
j. Second-year physics	(3)	®	0	0	(D)	•	VC305825	course (Please specify):	0	0	O	0)	Θ	©	VH241153		revisions they are classified a
k. Engineering and technology	(D)	(3)	0	0	(D)	•	VCI30582-6	Issue: Organiza	tion of	Instruc	tion						NC.
l. Other science course	(3)	®	0	0	(D)	•	VC305829										
2015 Grade 12)																	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							Grade 12 Science Student		
Previous item							2018 item	D/A/ R/NC+	Rationale
2. Are you currently enrolled in or have you taken International Baccalaureate® courses in science?					aureate® co	muzes in	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
5. Please indicate how much you about science. Fill in one oval	u DISAG l on each	line.	REE with	the followi			N/A	D	To keep student burden low and
		Strongly disagree	Disagree	Agree	Strongly agree				add new content
 a. I do science-related activities are not for schoolwork. 	es that	(3)	•	0	0	VC305348			consistent with prior
b. I like science.		(3)	•	0	0	VC305350			development for
c. Science is one of my favorit	te subject	s. 👁	0	0	0	VC305351			other subjects
d. I take science only because	I have to	. 👁	(1)	0	0	VC305352			(2017 Math, Reading,
 e. I need to do well in science job I want. 	to get th	c 🐵	(1)	0	0	VH142495			Writing), this
f. I would like a job that invo- science.	lves usin	g 👁	1	0	0	VH142499			item was dropped.
(2015 Grade 12)									
9. In your science class this year, on each line.	how ofte	en do you de	o each of t	he followir	ng? Fill in o	vc304769 ne oval	N/A	D	To keep student burden low and
	Never or hardly ever	Once every few weeks	About once a week	three times	Every day or almost every day				add new content consistent with
Discuss events in the news that are related to what you are learning in science class	0	•	0	Φ	•	VC304771			prior development for other subjects
 Work with other students on a science project or activity 	0	(1)	0	0	•	VG304772			(2017 Math, Reading,
c. Present what you learned about science to your class	(4)	(10)	0	0	0	VC304778			Writing), this item was
d. Take a science test or quiz	(3)	•	0	0	0	VC720564			dropped.
(2015 Grade 12)									- 1-1

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item	D/A/ R/NC+	Rationale
10. In your science class this yea on each line.	ır, how ofte	n do you d	lo each of t	he followir	ıg? Fill in o	vc720622 one oval	N/A	D	To keep student burden low and
	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day				add new conten consistent with prior
identify questions that can be addressed through science experiments	®	®	0	0	0	VC720623			development fo other subjects
b. Design a science experiment	0	(1)	0	0	(D)	VC720634			(2017 Math, Reading,
c. Talk about measurements you took for your science project or activity	0	®	0	0	Œ	VC720635			Writing), this item was
d. Talk about the results of your science project or activity	0	1	0	0	Œ	VC720636			dropped.
e. Watch your teacher do a science experiment or activity	Θ	(1)	0	0	•	VC720638			
f. Make graphs or charts of the results from your science project or activity	®	®	0	0	0	VC720639			
g. Write about your science activities or projects (such as reports, science journals, or lab write-ups)	0	®	0	0	(D)	VF633111			
2015 Grade 12)									
11. In this school ye you been asked t (several sentence questions on test science?	o write	long ar agraph	nswers is) to				N/A	D	To keep studen burden low and add new conter consistent with prior development for
Never or har	dly eve	r							other subjects (2017 Math,
Once every f	ew wee	ks							Reading,
© About once	a week								Writing), this item was
Two or three	times	a week							dropped.
© Every day or	almost	every	day						
(2015 Grade 12)									

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

		Grade 12 Science Student	
Previous item		2018 item	D/A/ Rationale R/NC+
13. In this school year, how or you used your school librate center resources for scien books, magazines, comput audio-video materials)? ① Never or hardly ever ② Once every few week ② About once a week ③ Two or three times a ④ Every day or almost expressions.	ary or media ce (such as ters, and s	N/A	D To keep stu burden low add new co consistent prior developme other subje (2017 Matl Reading, Writing), th item was dropped.
14. In this school year, how used computers for scie Never or hardly eve Once every few wee About once a week Two or three times Every day or almost (2015 Grade 12)	ence? er eks a week	N/A	D To keep stu burden low add new co consistent prior developme other subje (2017 Matl Reading, Writing), th item was dropped.
	Pated in any of the following activities? Fill in one Yes No The VF63 The VF63 The VF63 The VF63	N/A	D To keep stuburden low add new consistent prior developme other subject (2017 Matl Reading, Writing), the item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 12 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
19. In this school year, have you visited a museum, zoo, or aquarium to learn about science on a school trip? ① Yes ① No (2015 Grade 12)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
20. In this school year, have you visited a museum, zoo, or aquarium to learn about science that was not on a school trip? ① Yes ③ No (2015 Grade 12)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
21. How hard was this test compared to most other tests you have taken this year in school? A Easier than other tests About as hard as other tests Harder than other tests Much harder than other tests (2015 Grade 12)	N/A	D	To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 12 Science Student			
Previous item	2018 item		D/A/ R/NC+	Rationale
23. How important was it to you to do well on this test? ② Not very important ① Somewhat important ① Important ① Very important ① Very important (2015 Grade 12)	1. How important was it to you to do well on this test? ① Not very important ① Somewhat important ② Important ① Very important Issue: N/A	V9E28003		To keep student burden low and add new content consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped from the Science questionnaire and moved to
				the Core questionnaire (Appendix F1-b). Please note that the purpose of debrief items is not to address an issue identified in the issues paper but to assess
				students' experience of taking the assessment. As such, this item is not classified by issue.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	_						2018 item		_		_			D/A/ R/NC+	Rationale
22. How hard did you compared to how most other tests y year in school? Not as hard as About as hard Harder than o Much harder (hard you to ou have ta s on other to as on other n other tes	ried on ken this tests er tests					N/A							D	To keep student burden low and add new conten consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was dropped.
In your science class to projects with any of the	ne following?	Select one ans	u done hands-o wer choice on	on activities each row.	or Very often	VH659071	In your science class t projects on any of the	his year, how following top	often have yo	e answer choice	e on each ro	w.	V15639071	R	The following revisions were made: (1) "or"
a. Living things (for	hardly ever	while	7,710,700				a. Living things (for	hardly ever	while	Sometimes	Often	Very often			was added to
example, plants, animals, bacteria) b. Electricity (for	0	Φ	0	Θ	0	V14639072	example, plants, animals, or bacteria)	00	Ф	0	0	Ф	VH639072		subitem "a"
example, circuits, batteries, and light bulbs)	0	(3)	0	0	•	VH639074	b. Electricity (for example, circuits, batteries, or light bulbs)	0	Φ.	0	0	Φ	VH639074		based on editorial review
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	0	®	0	0	Φ	VH639073	c. Chemicals (for example, vinegar, baking soda, or	0	Ф	0	0	0	VH639073		(2) "and" was replaced with "or" in subitem
d. Rocks or minerals (for example, identifying types)	0	(1)	0	0	0	VI1639077	hydrogen peroxide) d. Rocks or minerals (for example, diamond, iron, or lava rock)	®	Ф	0	Φ.	0	VH639077		"b", (3) example
e. Technology and engineering (for example, pulleys and levers)	0	•	0	0	•	VI4639076	e. Technology and engineering (for example, robots,	0	Ф	0	0	0	VH639076		content in subitems "c",
f. Magnifying glass or microscope (for looking at small things)	Ø	Œ	0	۵	Œ	VHK1907A	pulley systems, or ramps) Issue: Organization	on of Inc	truction						"d", and "e" wa revised based o
g. Thermometer or barometer (for making measurements)	Θ	3	0	0	0	V14639078	issue. Organizatio	JII OI 1115	ti action						cognitive interview study
(2017 Grade 12)															results, and (4) subitems "f" and "g" were moved to VH639311 based on stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
In your science class answer choice on each		often do you	do each of the f	ollowing? Se	lect one	\$9630031	5. In your science class t activities? Select one	his year, how answer choice	often have yo on each row	ou done each of	the followin	g	VD69311	R	The following revisions were
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			made: (1) In the
Read from a science textbook Read a book or	0	0	0	0	Φ	V16639313	Read from a science textbook (print or digital)	0	Ф	0	•	Φ	VH639313		you do" was changed to
magazine about science topics c. Use the Internet to	0	•	Θ	0	0	VH638315	b. Read a book or magazine (print or digital) about science	0	Ф	0	Ф	Ф	VH639315		"have you done
learn about science topics d. Watch a short video	0	Ф	9	0	Φ	VHS39314	topics c. Used the Internet to								to create tense consistency
clip, movie, or video about science topics	Ø	Ф	0	0	Φ	VH639312	learn about science topics d. Watched a short video	0	00	0	0	Φ	VH639314		across items, (2
2017 Grade 12)							clip, movie, or video about science topics	0	00	Φ	Ф	Φ	VH639312		"(print or digital)" was
							 Used a magnifying glass or microscope for looking at small things 	00	Φ	©	0	•	VH639075		added to
							f. Used a thermometer or weighing scale for making measurements	0	Φ.	ø	0	Φ	VH639078		subitems "a" a "b" based on
							Issue: Organization	on of Ins	truction						stakeholder feedback, and
															(3) subitems "e
															and "f" were
															revised and added from
															VH639071 bas
															on stakeholde
															feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
3. Thinking about science following? Select one			uld be able t	o do each of th	e	VHASLede	 Thinking about science following activities? S 	ce, do you thin elect one ansy	k that you wo	ould be able to each row.	do each of th	e	VH651600	R	The following revisions were
	I definitely can't	I probably can't	Maybe	I probably	I definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can			made: (1)
Describe the different procedures for heating or cooling a sample of water	8	Ф	0	Φ	Φ	VH638568	Describe different ways to heat or cool water	0	00	0	Φ	Φ	YH638868		Subitems "a", "b", "c", "d",
b. Design a model showing how the length of a vibrating string affects the	•	Ф	0	Φ	Φ	VH638870	Describe how the length of a vibrating string affects the sound it makes	0	Φ	0	Φ	Θ	VH638870		"e", "g" and "j were revised based on
motion of the waves that are produced c. Design an experiment							Design an experiment to show how sunlight affects the growth	⊗	Φ	0	Φ	Ф	VH638872		editorial, expe
to show how sunlight affects the growth of a type of plant	00	Ф	0	Φ	Ф	VH638872	of a plant d. Use examples to show how one living thing	9	Φ.	Φ	0	Ф	VH638875		committee, ar stakeholder
d. Use evidence to show how one organism has helped the other to survive	0	Ф	0	Φ	Ф	VH638875	has helped another to survive e. Describe what would happen to the number								feedback, and (2) subitems "
e. Use a food chain to show how the removal of one animal affects another	0	Ф	0	Φ	Φ	VH638876	of frogs at a pond if all the insects were removed from the pond	0	00	Θ	Φ	Ф	γн638876		through "j" we reordered to
f. Design an experiment that allows a fair test of how the growth of a plant is affected by	0	00	0	Ф	Ф	VH638877	f. Decide which tool to use if you want to measure wind speed	0	Ф	0	Φ	Φ	VH638883		create consistency in
light, water, and soil quality							g. Describe why the weather in the summer is different	00	Ф	0	0	0	VH638885		presentation of cross-grade
g. Create a diagram that shows how bees and plants both depend on one another for survival through pollination	0	Ф	0	Ф	Θ	VH638878	h. Design an experiment to test how the growth of a plant is affected by light, water, and soil quality	0	00	Φ	0	Θ	VH638877		subitems (i.e., subitems "a" t "e", "i" and "j"
h. Describe how the combination of parental genes can result in different combinations of traits in their offspring, such	0	Φ.	0	Ф	Ф	VH638879	Create a diagram that shows how bees and plants need each other for survival	•	Ф	0	Φ	Φ	VH638878		
as eye or hair color i. Decide which tool to							 Describe how the combination of parental genes can 	7.0	751			7			
use if you want to measure wind speed	0	Φ	0	0	Ф	VH638863	result in different traits in their offspring	0	Ф	0	Φ	Ф	VH638870		
Predict the season based on a graph that shows the 30-day average temperature	•	Ф	0	Φ	Ф	VHGBBBS	(for example, eye or hair color) Issue: Student Fa	ctors							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
How much does each one answer choice on	of the follow each row.	ing statements	s describe a pe	erson like you	? Select	VH639079	11. How much does each choice on each row.	of the follow	ing statement	es describe yo	u? Select one a	inswer	VH639079	R	The following revisions were
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	11		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	1 = 1		made: (1) In th
 I want other students to think I am good at science. 	Θ	Θ	0	0	θ	VH639080	I want other students to think I am good at science.	0	Φ.	0	Ф	0	VH639080		set leader "describe a
 I want to show others that science schoolwork is easy for me. 	0	Ф	0	0	Φ	VH639082	b. I want to show others that science schoolwork is easy for me.	0	Φ	9	0	Φ	YH639082		person like you was changed to
I want to look smart in comparison to the other students in my science class,	8	90	0	Φ	Ф	VH639084	c. I want to look smart in comparison to the other students in my science class.	۵	Φ.	0	Φ	Φ	YH639084		"describe you" based on expe
d. I want to learn as much as possible in my science class.	00	OD .	0	0	Φ	VH639086	d. I want to get better science grades than	0	Ф	0	0	Φ	VH731329		stakeholder
e. I want to become better in science this year.	®	Φ.	0	0	Θ	VH639087	most other students in my class.	•	9	9			1117,3222		feedback, and (2) subitems "(
f. I want to understand as much as I can in my	3	0	0	Φ	Φ	VH639089	much as possible in my science class.	0	Ф	9	Φ	Φ	VH639086		and "h" were
science class. 2017 Grade 12)	1 "					person of	f. I want to become better in science this year.	0	Ф	9	0	Φ	VH639087		added to ensur
·							g. I want to understand as much as I can in my science class.	0	Ф	9	0	Φ	VH639089		across subjects
							h. I want to master a lot of new science skills in my class.	0	0	0	Φ	Θ	VH732330		(2018 social studies).

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
5. How often do you part school? Select one ans			wing activities	outside of		VH638951	12. In this school year, how of school? Select one ar			of the follow	ing activities	outside	VH638951	R/NC+	The following revisions were
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			made: (1) In the
Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	Φ	Φ	0	Φ	Φ	VH638970	a. Work on science-related projects (for example, making a volcano, growing plants from seeds, or building	Φ	Φ	0	•	Φ	VH638970		often do you participate" was changed to "In
 Carry out advanced science-related projects with friends (for example, designing 			50				b. Write or blog about science topics	0	Φ	©	Ф	Ф	VH638983		this school year, how often have
a model of a bridge, building simple rockets, or designing bird feeders)	60	Φ.	0	0	Φ	VH638973	c. Use scientific tools (for example, microscopes, thermometers, beakers, or weighing	0	Φ	0	0	Φ	VH638985		you done" to ensure consistency
volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing	0	Ф	0	Ф	Φ	VH638977	scales) d. Read about science topics in books or magazines (print or digital)	•	Φ	0	0	Ф	VH638987		across items, (2) subitems "a" an "b" were
water samples in the neighborhood, helping a scientist in a lab) d. Write or blog about							e. Attend clubs or programs that include science or engineering								combined and
science topics e. Use scientific instruments (for example, telescopes,	0	0	0	Ф Ф	D	VH638983 VH638985	activities (for example, chemistry club, robotics club, or coding programs)	0	Ф	0	Φ	Φ	VH638991		the example content was revised based o
microscopes, scales) f. Read about science topics in books, magazines, or on digital devices	•	Ф	©.	Φ	Ф	VH638987	Issue: Student Fac	ctors							cognitive interview study
g. Attend clubs or programs that include science activities	0	Ф	0	0	Φ	VH638988									results, (3) subitems "c" an
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	0	Ф	0	Φ	Ð	VH638901									"d" were dropped, (4) subitems "e" and "f" wording
(2017 Grade 12)															was revised based on stakeholder feedback, and (5) subitems "g" and "h" were combined and the example content was revised based or cognitive

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
															interview study results.
6. This school year, how class? Select one answ	often did you ver choice on e	do the follow ach row.	ing things in y	our science		VH6198Z)	14. In this school year, how class? Select one answ			ollowing activi	ties in your	science	V0691733	R	The following revisions were
5	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	-		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			made: (1) In the
Came up with testable research questions, based on observation or investigation, that can explain how	Φ	Φ	ø	0	Φ	VH639834	Came up with research questions to explore how something works	Θ	Φ	6	•	θ	VH639744		was added to ensure
b. Made a detailed					4		 Made drawings that explain why or how something happens 	0	00	0	0	Φ	VH639749		consistency across items, (2
physical or computer simulated model to show how an outcome is based on several factors	0	Ф	ø	Ф	Φ	V14630835	c. Came up with experiments that you could use to answer a research question	•	Φ	0	Φ	Ф	VH639753		"did you do" w changed to
 Evaluated the accuracy of a set of tests as part of a scientific investigation 	•	Ф	0	Φ	Φ	VH639837	d. Used tables or graphs to identify relationships between variables	0	Φ	0	•	Φ	VH639760		"have you done", and (3) subitems "a",
d. Evaluated the ethical concerns of a set of tests as part of a scientific investigation	0	Ф	0	0	Φ	VH639838	e. Used math equations to explain or support scientific conclusions	•	Ф	0	0	Φ	VH639763		"b", "c", "d", "d
e. Used multiple kinds of tables, graphs, or statistics to identify relationships between	•	Φ	0	0	Φ	VH639840	f. Used evidence from experiments to explain why something happens	•	Ф	9	Φ	Φ	VH639765		"f", "g", and "h were revised.
variables f. Used sets of mathematical rules to explain or support	Φ	00	©	0	Ф	VH639842	g. Used information to disagree with someone about a scientific idea h. Combined information	Φ	(D)	0	•	Φ	VH639770		
g. Used evidence from experiments, measurements of variables, and known	®	0	0	0	Ф	V14639843	about science from multiple sources (for example, books, websites, or articles) for an assignment	•	O	0	Φ	Φ.	VH630777		
scientific theories to explain why something happens							Issue: Student Fac	ctors							
h. Responded to disagreement about a scientific idea by pointing out facts and theories that support the idea	Φ	Φ	0	Φ	Φ	VH639845									
i. Combined information about science from multiple sources for an assignment, placing more emphasis on the sources that provide more credible information	Ø	Φ	Ø	0	Φ	V14639848									

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

				Grade 12 Science Student					
Previous item				2018 item				D/A/ R/NC+	Rationale
7. How likely are you to pursue a career in scienc O Not at all likely Not likely Somewhat likely Quite likely Extremely likely (2017 Grade 12)	iel .		V966.99871	15. How likely are you to pursue a career in science Not at all likely Not likely Somewhat likely Quite likely Extremely likely Issue: Student Factors	ee?		V36.59871	NC	
In this school year, have you done any of the fe a career in science? Select one answer choice of		ut or prepare for	VH640721	16. In this school year, have you done any of the focareer in science? Select one answer choice on		prepare for a	VEISAU721	R	The following revisions were
1	Yes	No			Yes	No			made: (1) The
a. Attended a career fair	0	Ф	VH640739	a. Attended a career fair	•	Φ	VH640739		word "interest",
b. Answered questions on a career test (for example, the Vocational Interest Inventory, the Career Interest Test, or the Strong Interest Inventory)	Ø	Φ	VH640746	b. Answered questions on a career interest survey (for example, the Vocational-Interest Inventory, the Career Interest Test, or the Strong Interest Inventory®)	•	Φ	VH640746		a hyphen, and a trademark logo
c. Taken a science course in addition to what you need to graduate	0	00	VH640748	c. Taken a science course in addition to what you need to graduate	Φ	Φ	VH640748		were added to
d. Learned about science-related careers on your own	©	Φ	VH640749	d. Collected information about science-related careers on your own	0	O D	VH640749		subitem "b" based on
e. Learned about science-related college programs on your own f. Spoken with a guidance counselor or	0	0	VH640750	e. Collected information about science-related college programs on your	0	QD	VH640750		editorial and
teacher about science-related careers	Φ	0	VH640754	f. Spoken with a guidance counselor or					stakeholder
g. Spoken with a guidance counselor or teacher about science-related college programs	0	00	VH640757	teacher about science-related careers g. Spoken with a guidance counselor or	•	Φ	VH640754		feedback, (2)
h. Spoken with a family member or family friend who works in a scientific field about his/her job	0	Ф	VH640758	teacher about science-related college programs h. Spoken with a family member or family	•	(D)	VH640757		"Learned" was changed to
i. Spoken with an adult at school who works in a scientific field about his/her job	⊗	0	VH640760	friend who works in a scientific field about his or her job	Ø	Φ	VH640758		"Collected
j. Shadowed a person who does science-related work at his/her job	0	0	VH540771	Shadowed a person who does science-related work at his or her job Worked as an intern or applying doing.	•	Φ	VH64077)		information" in subitems "c" an
k. Worked as an intern or employee doing science-related work	•	Ф	VH540773	j. Worked as an intern or employee doing science-related work	•	Φ	VH640773		"d" based on
Other (Please specify):	0	Φ	VH640776	k. Other (Please specify):	00	OD.	VH640776		stakeholder
(2017 Grade 12)				Issue: Student Factors					feedback, and subitem "i" was dropped for redundancy based on cognitive interview study results.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 12 Scie	nce St	udent						
Previous item	2018 item							D/A/ R/NC+	Rationale
9. In this school year, how often did you approach your teacher to talk about how you are doing in science? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always (2017 Grado 12)	N/A							D	This item was dropped based on stakeholder feedback.
10. How often do you understand what the teacher talks about in science class? Never or hardly ever Once in a while Sometimes Often Always or almost always (2017 Grade 12)	1. In this school year, h science class? Never or hardly of Once in a while Sometimes Often Always or almost	ever t always	ve you under	stood what t	he teacher t	alks about in	YHERMY	R R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you understand" was changed to "have you understood" to create tense consistency across items.
N/A	13. How much does each choice on each row.	of the follow	ving statemen	ts describe yo	u? Select one	answer	VII639115	А	This item was added to align
		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Science with
	I enjoy science activities.	0	00	0	0	Ð	VH639117		previous
	 I look forward to my science class. 	0	00	0	0	Ф	VH639120		development for other subjects
	c. I am interested in the things I learn in science class. d. I think making an	Φ.	OD	Ø	Φ	Ф	VH639122		(2017 Math, Reading,
	effort in science class is worthwhile.	0	00	0	0	Ð	VH639125		Writing).
	e. I think science will help me even when I am not in school. f. I think it is important	•	Ф	0	0	Œ-	VH639127		- 5/-
	to do well on science assignments.	0	Φ	0	0	Ф	YH639128		
	Issue: Student I	actors							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 12 Science Student			
Previous item	2018 item		D/A/ R/NC+	Rationale
11. How often do you do a good job on your science tests? Never or hardly ever Once in a while Sometimes Often Always or almost always (2017 Grade 12)	2. In this school year, how often have you done well on your science tests? ① Never or hardly ever ① Once in a while ② Sometimes ② Often ① Always or almost always Issue: Student Factors	Y12-3899	R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, and (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review.
N/A	17. How often do you talk about things you have learned in science class with someone in your family? ① Never or hardly ever ① Once in a while ② Sometimes ① Often ① Very often Issue: Student Factors	VIITAASSE	A	This item was added to align Science with previous development for Core.
3. Are you currently enrolled in or have you taken any online science courses for high school or college credit? © Yes © No (2015 Grade 12)	7. Are you currently enrolled in or have you taken any online science courses for high school or college credit? ② Yes ③ No Issue: Organization of Instruction	VH240113	NC	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 12 Science Student		
Previous item	2018 item	D/A/ R/NC+	Rationale
12. How often do you do a good job on your science assignments? Never or hardly ever Once in a while Sometimes Often Always or almost always (2017 Grade 12)	3. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)? ② Never or hardly ever ③ Once in a while ② Sometimes ③ Often ④ Always or almost always Issue: Student Factors	R R	The following revisions were made: (1) In the set leader "In this school year" was added to ensure consistency across items, (2) "do you do a good job" was changed to "have you done well" to create tense consistency across items and based on editorial review, and (3) example content was added based on cognitive
6. Are you currently taking a science course? ② Yes → Go to Question 7. ③ No → Skip to Question 18. (2015 Grade 12)	9. Are you currently taking a science course? © Yes D No Issue: Organization of Instruction	NC	interview feedback. Please note the skip pattern information is no longer present given the transition from PPT to DBA. This item is classified as NC given the minute nature of this revision.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	2018 item	D/A/ R/NC+	Rationale
4. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for all that apply. ② Yes, I am enrolled in or have taken Advanced Placement Biology. ③ Yes, I am enrolled in or have taken Advanced Placement Environmental Science. ② Yes, I am enrolled in or have taken Advanced Placement Chemistry. ③ Yes, I am enrolled in or have taken Advanced Placement Physics B or C. ④ Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB. ⑤ No, I have never taken an Advanced Placement science course. (2015 Grade 12)	8. Are you currently enrolled in or have you taken an Advanced Placement course in science? Select all that apply. ② Yes, I am enrolled in or have taken Advanced Placement Biology. ③ Yes, I am enrolled in or have taken Advanced Placement Chemistry. ③ Yes, I am enrolled in or have taken Advanced Placement Physics C. ⑤ Yes, I am enrolled in or have taken Advanced Placement Physics I. ⑤ Yes, I am enrolled in or have taken Advanced Placement Physics 2. ⑥ Yes, I am enrolled in or have taken Advanced Placement Computer Science A. ⑤ Yes, I am enrolled in or have taken Advanced Placement Computer Science Principles. ⑥ No, I have never taken an Advanced Placement science course. Issue: Organization of Instruction	R	The following revisions were made: (1) A trademark logo has been added to the item stem, (2), "Physics B" has been removed from response option D as it has been discontinued, (3 "Computer Science AB" has been removed from response option E as it has been discontinued, and 3 additional subitems have been added to account for new AP course offerings.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-1i: Pilot Grade 4 Science

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

			VH639012
1.		your science class this year, how often have you learned about living things (for imple, plants, animals, or bacteria)?	
	(A)	Never or hardly ever	
	B	Once in a while	
	0	Sometimes	
	(Often	
	Œ	Very often	
			VH639027
2.		your science class this year, how often have you learned about electricity (for imple, circuits, batteries, or light bulbs)?	
	\bigcirc	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	(Often	
	Œ	Very often	
			141620022
3.		your science class this year, how often have you learned about chemicals (for imple, vinegar, baking soda, or hydrogen peroxide)?	VH639033
	(A)	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	0	Often	
	Œ	Very often	
	© ©	Sometimes Often	

VH639037 4. In your science class this year, how often have you learned about rocks or minerals (for example, diamond, iron, or lava rock)? Never or hardly ever Once in a while © Sometimes Often O Very often VH639043 5. In your science class this year, how often have you done science activities using scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)? Never or hardly ever Once in a while Sometimes Often Always or almost always VH639047 6. In your science class this year, how often have you read from a science textbook (print or digital)? Never or hardly ever Once in a while Sometimes Often Always or almost always

2

VH639055
VH639057
VH639060

VH638997 10. In this school year, how often have you understood what the teacher talks about in science class? Never or hardly ever Once in a while © Sometimes Often Always or almost always VH638999 11. In this school year, how often have you done well on your science tests? Never or hardly ever Once in a while © Sometimes Often Always or almost always VH639003 12. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)? Never or hardly ever Once in a while © Sometimes Often Always or almost always

4

VH638866

13. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Describe different ways to heat or cool water	(9)	®	0	0	Œ	VH638868
b.	Describe how the length of a vibrating string affects the sound it makes	(9)	®	0	0	Œ	VH638870
c.	Design an experiment to show how sunlight affects the growth of a plant	(4)	®	©	0	©.	VH638872
d.	Use examples to show how one living thing has helped another to survive	(4)	®	0	0	Œ	VH638875
e.	Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	0	®	0	0	©	VH638876
f.	Decide which tool to use if you want to measure wind speed	(8)	®	0	0	Œ	VH638883
g.	Describe why the weather in the summer is different than in the winter	0	®	0	0	Œ	VH638885

VH639079

14. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at science.	®	®	0	0	Œ	VH639080
b.	I want to show others that science schoolwork is easy for me.	(4)	®	0	Θ	<u>(</u>	VH639082
c.	I want to look smart in comparison to the other students in my science class.	(®	0	Φ	Œ	VH639084
d.	I want to get better science grades than most other students in my class.	(4)	®	0	Θ	<u>(</u>	VH732329
e.	I want to learn as much as possible in my science class.	(4)	®	0	Θ	Ü	VH639086
f.	I want to become better in science this year.	(A)	®	0	0	(L)	VH639087
g.	I want to understand as much as I can in my science class.	(A)	®	0	0	Œ	VH639089
h.	I want to master a lot of new science skills in my class.	®	®	0	0	Œ	VH732330

VH638951

15. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	(®	0	Φ	©.	VH638970
b.	Write or blog about science topics	(A)	®	0	0	Œ	VH638983
c.	Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	®	®	0	0	©.	VH638985
d.	Read about science topics in books or magazines (print or digital)	®	®	0	0	©.	VH638987
e.	Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	0	®	0	(1)	Œ	VH638991

VH639115

16. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I enjoy science activities.	A	B	0	0	Œ	VH639117
b.	I look forward to my science class.	(A)	B	0	0	Œ	VH639120
c.	I am interested in the things I learn in science class.	®	®	0	0	©.	VH639122
d.	I think making an effort in science class is worthwhile.	®	®	0	0	©	VH639125
e.	I think science will help me even when I am not in school.	(A)	(8)	0	0	©.	VH639127
f.	I think it is important to do well on science assignments.	®	®	0	0	©.	VH639128

VH639149

17. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Made a drawing that explains why or how something happens	(8)	®	0	0	©:	VH639156
b.	Used a science experiment to answer a question	(A)	®	0	0	Œ	VH639162
c.	Put information you collected into a table or graph	(A)	®	0	0	Œ	VH639164
d.	Used evidence to explain why something happens	(A)	®	0	0	Œ	VH639166
e.	Found news articles about science on the Internet	(A)	®	0	0	©	VH639169

9

VH743438

- **18.** How often do you talk about things you have learned in science class with someone in your family?
 - Never or hardly ever
 - ® Once in a while
 - © Sometimes
 - Often
 - Very often

Spiral Map Grade 4 Science

Accnum	Grade	Grade 4 OMB PDF Sequence Number	Number of Grade 4 booklets item appears in	Grade 4 booklets item appears in
VH639012	4	01_00	2	1, 2
VH639027	4	02_00	2	1, 2
VH639033	4	03_00	2	1, 2
VH639037	4	04_00	2	1, 2
VH639043	4	05_00	2	1, 2
VH639047	4	06_00	2	1, 2
VH639055	4	07_00	2	1, 2
VH639057	4	08_00	2	1, 2
VH639060	4	09_00	2	1, 2
VH638997	4, 8, 12	10_00	2	1, 2
VH638999	4, 8, 12	11_00	2	1, 2
VH639003	4, 8, 12	12_00	2	1, 2
VH638866	4, 8	13_00	2	1, 2
VH638868	4, 8, 12	13_01	2	1, 2
VH638870	4, 8, 12	13_02	2	1, 2
VH638872	4, 8, 12	13_04	2	1, 2
VH638875	4, 8, 12	13_05	2	1, 2
VH638876	4, 8, 12	13_06	2	1, 2
VH638883	4, 8, 12	13_07	2	1, 2
VH638885	4, 8, 12	13_08	2	1, 2
VH639079	4, 8, 12	14_00	2	1, 2
VH639080	4, 8, 12	14_01	2	1, 2
VH639082	4, 8, 12	14_02	2	1, 2
VH639084	4, 8, 12	14_03	2	1, 2
VH732329	4, 8, 12	14_04	2	1, 2
VH639086	4, 8, 12	14_05	2	1, 2
VH639087	4, 8, 12	14_06	2	1, 2
VH639089	4, 8, 12	14_07	2	1, 2
VH732330	4, 8, 12	14_08	2	1, 2

Spiral Map Grade 4 Science

Accnum	Grade	Grade 4 OMB PDFSequence Number	Number of Grade 4 booklets item appears in	Grade 4 booklets item appears in
VH638951	4, 8, 12	15_00	2	1, 2
VH638970	4, 8, 12	15_01	2	1, 2
VH638983	4, 8, 12	15_02	2	1, 2
VH638985	4, 8, 12	15_03	2	1, 2
VH638987	4, 8, 12	15_04	2	1, 2
VH638991	4, 8, 12	15_05	2	1, 2
VH639115	4, 8, 12	16_00	2	1, 2
VH639117	4, 8, 12	16_01	2	1, 2
VH639120	4, 8, 12	16_02	2	1, 2
VH639122	4, 8, 12	16_03	2	1, 2
VH639125	4, 8, 12	16_04	2	1, 2
VH639127	4, 8, 12	16_05	2	1, 2
VH639128	4, 8, 12	16_06	2	1, 2
VH639149	4	17_00	2	1, 2
VH639156	4	17_01	2	1, 2
VH639162	4	17_02	2	1, 2
VH639164	4	17_03	2	1, 2
VH639166	4	17_04	2	1, 2
VH639169	4	17_05	2	1, 2
VH743438	4, 8, 12	18_00	2	1, 2

Appendix I-1j: Pilot Grade 8 Science

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

2018 Pilot Science Student G8

			VH63899
1.		this school year, how often have you understood what the teacher talks about in ence class?	
	(A)	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	0	Often	
	(E)	Always or almost always	
			VH638999
2.	In	this school year, how often have you done well on your science tests?	
	lack	Never or hardly ever	
	$^{ ext{ $	Once in a while	
	0	Sometimes	
	0	Often	
	(E)	Always or almost always	
			VH63900
3.		this school year, how often have you done well on your science assignments (for ample, projects, homework, or worksheets)?	
	(A)	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	0	Often	
	Œ	Always or almost always	

4. In your science class this year, how often have you done hands-on activities or projects on any of the following topics? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Very often	
a.	Living things (for example, plants, animals, or bacteria)	(A)	®	0	0	Œ	VH639072
b.	Electricity (for example, circuits, batteries, or light bulbs)	®	®	0	0	©	VH639074
c.	Chemicals (for example, vinegar, baking soda, or hydrogen peroxide)	(A)	®	0	•	©.	VH639073
d.	Rocks or minerals (for example, diamond, iron, or lava rock)	(A)	®	0	0	Œ	VH639077
e.	Technology and engineering (for example, robots, pulley systems, or ramps)	®	®	0	•	Œ	VH639076

5. In your science class this year, how often have you done each of the following activities? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Read from a science textbook (print or digital)	(A)	®	0	0	Œ	VH639313
b.	Read a book or magazine (print or digital) about science topics	(4)	®	0	Θ	(i)	VH639315
c.	Used the Internet to learn about science topics	(4)	®	0	0	Œ	VH639314
d.	Watched a short video clip, movie, or video about science topics	(A)	®	0	0	Œ	VH639312
e.	Used a magnifying glass or microscope for looking at small things	(A)	®	0	0	Œ	VH639075
f.	Used a thermometer or weighing scale for making measurements	(A)	®	0	0	Œ	VH639078

6. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Describe different ways to heat or cool water	(8)	®	0	0	Œ	VH638868
b.	Describe how the length of a vibrating string affects the sound it makes	(®	0	0	©	VH638870
c.	Design an experiment to show how sunlight affects the growth of a plant	(4)	®	0	Θ	©	VH638872
d.	Use examples to show how one living thing has helped another to survive	(4)	®	0	0	Œ	VH638875
e.	Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	(4)	®	0	Θ	Œ	VH638876
f.	Decide which tool to use if you want to measure wind speed	(A)	®	0	0	Œ	VH638883
g.	Describe why the weather in the summer is different than in the winter	(A)	(B)	0	0	Œ	VH638885

7. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at science.	(A)	®	0	0	Œ	VH639080
b.	I want to show others that science schoolwork is easy for me.	(4)	®	0	Θ	<u>(</u>	VH639082
c.	I want to look smart in comparison to the other students in my science class.	(A)	®	0	0	©	VH639084
d.	I want to get better science grades than most other students in my class.	(9)	®	0	0	<u>(</u>	VH732329
e.	I want to learn as much as possible in my science class.	(A)	®	0	0	Œ)	VH639086
f.	I want to become better in science this year.	(A)	®	0	0	Œ	VH639087
g.	I want to understand as much as I can in my science class.	(A)	®	0	0	Œ	VH639089
h.	I want to master a lot of new science skills in my class.	(A)	®	O	0	Œ	VH732330

8. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	(®	0	0	©.	VH638970
b.	Write or blog about science topics	(A)	®	0	0	Œ	VH638983
c.	Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	®	®	0	0	©.	VH638985
d.	Read about science topics in books or magazines (print or digital)	®	®	0	0	©.	VH638987
e.	Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	®	®	0	(1)	(£)	VH638991

9. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I enjoy science activities.	A	®	0	0	Œ	VH639117
b.	I look forward to my science class.	(A)	®	0	0	Œ	VH639120
c.	I am interested in the things I learn in science class.	(A)	®	0	0	Œ	VH639122
d.	I think making an effort in science class is worthwhile.	(4)	®	0	0	Œ	VH639125
e.	I think science will help me even when I am not in school.	(9)	®	0	0	Œ	VH639127
f.	I think it is important to do well on science assignments.	(4)	®	0	0	©.	VH639128

10. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Came up with research questions to explore how something works	0	®	0	0	Œ	VH639744
b.	Made drawings that explain why or how something happens	(A)	®	0	0	Œ	VH639749
c.	Came up with experiments that you could use to answer a research question	(4)	®	0	Θ	<u>(</u>	VH639753
d.	Used tables or graphs to identify relationships between variables	(4)	®	0	•	Œ	VH639760
e.	Used math equations to explain or support scientific conclusions	(A)	®	0	0	Œ	VH639763
f.	Used evidence from experiments to explain why something happens	0	®	0	Φ	Œ	VH639765
g.	Used information to disagree with someone about a scientific idea	(A)	®	0	0	Œ	VH639770
h.	Combined information about science from multiple sources (for example, books, websites, or articles) for an assignment	(8)	®	0	(1)	Œ	VH639777

- **11.** How often do you talk about things you have learned in science class with someone in your family?
 - Never or hardly ever
 - ® Once in a while
 - © Sometimes
 - Often
 - © Very often

Spiral Map Grade 8 Science

Accnum	Grade	Grade 8 OMB PDF Sequence Number	Number of Grade 8 booklets item appears in	Grade 8 booklets item appears in
VH638997	4, 8, 12	01_00	2	1, 2
VH638999	4, 8, 12	02_00	2	1, 2
VH639003	4, 8, 12	03_00	2	1, 2
VH639071	8, 12	04_00	2	1, 2
VH639072	8, 12	04_01	2	1, 2
VH639074	8, 12	04_02	2	1, 2
VH639073	8, 12	04_03	2	1, 2
VH639077	8, 12	04_04	2	1, 2
VH639076	8, 12	04_05	2	1, 2
VH639311	8, 12	05_00	2	1, 2
VH639313	8, 12	05_01	2	1, 2
VH639315	8, 12	05_02	2	1, 2
VH639314	8, 12	05_03	2	1, 2
VH639312	8, 12	05_04	2	1, 2
VH639075	8, 12	05_05	2	1, 2
VH639078	8, 12	05_06	2	1, 2
VH638866	4, 8	06_00	2	1, 2
VH638868	4, 8, 12	06_01	2	1, 2
VH638870	4, 8, 12	06_02	2	1, 2
VH638872	4, 8, 12	06_03	2	1, 2
VH638875	4, 8, 12	06_04	2	1, 2
VH638876	4, 8, 12	06_05	2	1, 2
VH638883	4, 8, 12	06_06	2	1, 2
VH638885	4, 8, 12	06_07	2	1, 2
VH639079	4, 8, 12	07_00	2	1, 2
VH639080	4, 8, 12	07_01	2	1, 2
VH639082	4, 8, 12	07_02	2	1, 2
VH639084	4, 8, 12	07_03	2	1, 2
VH732329	4, 8, 12	07_04	2	1, 2

Spiral Map Grade 8 Science

Accnum	Grade	Grade 8 OMB PDFSequence Number	Number of Grade 8 booklets item appears in	Grade 8 booklets item appears in
VH639086	4, 8, 12	07_05	2	1, 2
VH639087	4, 8, 12	07_06	2	1, 2
VH639089	4, 8, 12	07_07	2	1, 2
VH732330	4, 8, 12	07_08	2	1, 2
VH638951	4, 8, 12	08_00	2	1, 2
VH638970	4, 8, 12	08_01	2	1, 2
VH638983	4, 8, 12	08_02	2	1, 2
VH638985	4, 8, 12	08_03	2	1, 2
VH638987	4, 8, 12	08_04	2	1, 2
VH638991	4, 8, 12	08_05	2	1, 2
VH639115	4, 8, 12	09_00	2	1, 2
VH639117	4, 8, 12	09_01	2	1, 2
VH639120	4, 8, 12	09_02	2	1, 2
VH639122	4, 8, 12	09_03	2	1, 2
VH639125	4, 8, 12	09_04	2	1, 2
VH639127	4, 8, 12	09_05	2	1, 2
VH639128	4, 8, 12	09_06	2	1, 2
VH639733	8, 12	10_00	2	1, 2
VH639744	8, 12	10_01	2	1, 2
VH639749	8, 12	10_02	2	1, 2
VH639753	8, 12	10_03	2	1, 2
VH639760	8, 12	10_04	2	1, 2
VH639763	8, 12	10_05	2	1, 2
VH639765	8, 12	10_06	2	1, 2
VH639770	8, 12	10_07	2	1, 2
VH639777	8, 12	10_08	2	1, 2
VH743438	4, 8, 12	11_00	2	1, 2

Appendix I-1k: Pilot Grade 12 Science

In the pilot assessments, not all questions presented in the questionnaire will be administered to an individual student. Rather, students will receive a subset of the questions, as indicated in the spiral map presented after the questionnaire.

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

2018 Pilot Science Student G12

			VH63899
1.		this school year, how often have you understood what the teacher talks about in ence class?	
	(A)	Never or hardly ever	
	B	Once in a while	
	0	Sometimes	
	0	Often	
	(E)	Always or almost always	
			VH63899
2.	In	this school year, how often have you done well on your science tests?	
	(A)	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	0	Often	
	(E)	Always or almost always	
			VH63900
3.		this school year, how often have you done well on your science assignments (for ample, projects, homework, or worksheets)?	
	\bigcirc	Never or hardly ever	
	®	Once in a while	
	0	Sometimes	
	0	Often	
	Œ	Always or almost always	

4. In your science class this year, how often have you done hands-on activities or projects on any of the following topics? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Very often	
a.	Living things (for example, plants, animals, or bacteria)	®	®	©	0	Œ	VH639072
b.	Electricity (for example, circuits, batteries, or light bulbs)	(4)	®	0	0	(L)	VH639074
c.	Chemicals (for example, vinegar, baking soda, or hydrogen peroxide)	(4)	®	0	•	©	VH639073
d.	Rocks or minerals (for example, diamond, iron, or lava rock)	(A)	®	0	0	Œ	VH639077
e.	Technology and engineering (for example, robots, pulley systems, or ramps)	(9)	(B)	0	Θ	(VH639076

5. In your science class this year, how often have you done each of the following activities? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Read from a science textbook (print or digital)	(A)	®	0	0	Œ	VH639313
b.	Read a book or magazine (print or digital) about science topics	(4)	®	0	Θ	(i)	VH639315
c.	Used the Internet to learn about science topics	(4)	®	0	0	Œ	VH639314
d.	Watched a short video clip, movie, or video about science topics	(A)	®	0	0	Œ	VH639312
e.	Used a magnifying glass or microscope for looking at small things	(A)	®	0	0	Œ	VH639075
f.	Used a thermometer or weighing scale for making measurements	(A)	®	0	0	Œ	VH639078

6. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the most recent year you took it. Select **one** answer choice on each row. INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course.

		I did not take this course.	I took this course in Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I am taking or have taken this course in Grade 12.	
a.	General science	(A)	®	O	0	Œ	Ē	VH241150
b.	First-year biology	(4)	®	0	0	Œ	Ē	VH241151
c.	Second-year biology	(4)	®	0	0	Œ	(Ē	VH241159
d.	Life science (other than biology)	(A)	®	0	0	Ē.	Œ	VH241148
e.	First-year chemistry	A	®	0	0	©.	(Ē)	VH241154
f.	Second-year chemistry	A	®	0	0	Ē.	(Ē)	VH241155
g.	First-year physics	(A)	®	©	0	Œ	(Ē)	VH241156
h.	Second-year physics	A	®	0	0	Ē.	Ē	VH241157
i.	Physical science (other than chemistry or physics)	®	®	0	0	©	Œ	VH241149
j.	Earth and space science	A	®	0	0	Ē.	Œ	VH241147
k.	Engineering and technology	(A)	®	0	0	Ē	Ē	VH241158
1.	Other science course (Please specify):	(8)	®	0	0	©	(F)	VH241153

VH240111

7. Are you currently enrolled in or have you taken any online science courses for high school or college credit?

A Yes

No

- **8.** Are you currently enrolled in or have you taken an Advanced Placement[®] course in science? Select **all** that apply.
 - ① Yes, I am enrolled in or have taken Advanced Placement Biology.
 - Tes, I am enrolled in or have taken Advanced Placement Environmental Science.
 - © Yes, I am enrolled in or have taken Advanced Placement Chemistry.
 - Tes, I am enrolled in or have taken Advanced Placement Physics C.
 - © Yes, I am enrolled in or have taken Advanced Placement Physics 1.
 - Tes, I am enrolled in or have taken Advanced Placement Physics 2.
 - © Yes, I am enrolled in or have taken Advanced Placement Computer Science A.
 - Tes, I am enrolled in or have taken Advanced Placement Computer Science Principles.
 - O No. I have never taken an Advanced Placement science course.

- **9.** Are you currently taking a science course?
 - A Yes
 - No

10. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Describe different ways to heat or cool water	(A)	(B)	0	0	Œ	VH638868
b.	Describe how the length of a vibrating string affects the sound it makes	(4)	®	0	0	©	VH638870
c.	Design an experiment to show how sunlight affects the growth of a plant	(®	0	0	©.	VH638872
d.	Use examples to show how one living thing has helped another to survive	(A)	®	©	0	Œ	VH638875
e.	Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	®	®	©	0	Œ	VH638876
f.	Decide which tool to use if you want to measure wind speed	(A)	®	©	0	Œ	VH638883
g.	Describe why the weather in the summer is different than in the winter	(4)	®	0	0	©.	VH638885
h.	Design an experiment to test how the growth of a plant is affected by light, water, and soil quality	(4)	®	0	0	©	VH638877
i.	Create a diagram that shows how bees and plants need each other for survival	(®	0	0	©	VH638878
j.	Describe how the combination of parental genes can result in different traits in their offspring (for example, eye or hair color)	®	®	©	©	Œ	VH638879

11. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at science.	®	®	0	0	Œ	VH639080
b.	I want to show others that science schoolwork is easy for me.	(4)	®	0	0	Œ	VH639082
c.	I want to look smart in comparison to the other students in my science class.	(®	0	0	Œ	VH639084
d.	I want to get better science grades than most other students in my class.	(4)	®	0	0	Œ	VH732329
e.	I want to learn as much as possible in my science class.	(4)	®	0	0	Œ	VH639086
f.	I want to become better in science this year.	(A)	®	0	0	Œ	VH639087
g.	I want to understand as much as I can in my science class.	(A)	®	0	0	Œ	VH639089
h.	I want to master a lot of new science skills in my class.	(A)	®	0	0	Œ	VH732330

12. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	®	©	0	0	©.	VH638970
b.	Write or blog about science topics	A	®	0	0	Œ	VH638983
c.	Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	®	®	0	(1)	Œ	VH638985
d.	Read about science topics in books or magazines (print or digital)	®	®	0	0	©.	VH638987
e.	Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	®	®	0	©	Œ	VH638991

13. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I enjoy science activities.	(A)	B	0	0	Ē	VH639117
b.	I look forward to my science class.	(A)	B	0	0	Œ	VH639120
c.	I am interested in the things I learn in science class.	(9)	®	0	0	Œ	VH639122
d.	I think making an effort in science class is worthwhile.	(A)	®	0	0	©	VH639125
e.	I think science will help me even when I am not in school.	(A)	(8)	0	0	©.	VH639127
f.	I think it is important to do well on science assignments.	(A)	(8)	0	0	©	VH639128

14. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Came up with research questions to explore how something works	(8)	®	0	(1)	Œ	VH639744
b.	Made drawings that explain why or how something happens	(A)	®	0	0	Œ	VH639749
c.	Came up with experiments that you could use to answer a research question	(4)	®	0	Θ	<u>(</u>	VH639753
d.	Used tables or graphs to identify relationships between variables	(4)	®	0	•	Œ	VH639760
e.	Used math equations to explain or support scientific conclusions	(A)	®	0	0	Œ	VH639763
f.	Used evidence from experiments to explain why something happens	0	®	0	0	Œ	VH639765
g.	Used information to disagree with someone about a scientific idea	(A)	®	0	0	Œ	VH639770
h.	Combined information about science from multiple sources (for example, books, websites, or articles) for an assignment	(8)	®	0	©	Œ	VH639777

- 15. How likely are you to pursue a career in science?
 - Not at all likely
 - ® Not likely
 - © Somewhat likely
 - Quite likely
 - © Extremely likely

16. In this school year, have you done any of the following activities to prepare for a career in science? Select **one** answer choice on each row.

		Yes	No	
a.	Attended a career fair	(A)	®	VH640739
b.	Answered questions on a career interest survey (for example, the Vocational-Interest Inventory, the Career Interest Test, or the Strong Interest Inventory®)	(4)	®	VH640746
c.	Taken a science course in addition to what you need to graduate	0	®	VH640748
d.	Collected information about science-related careers on your own	(A)	®	VH640749
e.	Collected information about science-related college programs on your own	®	©	VH640750
f.	Spoken with a guidance counselor or teacher about science-related careers	(A)	®	VH640754
g.	Spoken with a guidance counselor or teacher about science-related college programs	®	®	VH640757
h.	Spoken with a family member or family friend who works in a scientific field about his or her job	®	®	VH640758
i.	Shadowed a person who does science-related work at his or her job	(A)	®	VH640771
j.	Worked as an intern or employee doing science-related work	(A)	®	VH640773
k.	Other (Please specify):	®	®	VH640776

- **17.** How often do you talk about things you have learned in science class with someone in your family?
 - Never or hardly ever
 - ® Once in a while
 - © Sometimes
 - Often
 - © Very often

Accnum	Grade	Grade 12 OMB PDF Sequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH638997	4, 8, 12	01_00	3	1, 3, 4, 6
VH638999	4, 8, 12	02_00	3	1, 3, 4, 6
VH639003	4, 8, 12	03_00	3	1, 3, 4, 6
VH639071	8, 12	04_00	3	1, 3, 4, 6
VH639072	8, 12	04_01	3	1, 3, 4, 6
VH639074	8, 12	04_02	3	1, 3, 4, 6
VH639073	8, 12	04_03	3	1, 3, 4, 6
VH639077	8, 12	04_04	3	1, 3, 4, 6
VH639076	8, 12	04_05	3	1, 3, 4, 6
VH639311	8, 12	05_00	3	1, 3, 4, 6
VH639313	8, 12	05_01	3	1, 3, 4, 6
VH639315	8, 12	05_02	3	1, 3, 4, 6
VH639314	8, 12	05_03	3	1, 3, 4, 6
VH639312	8, 12	05_04	3	1, 3, 4, 6
VH639075	8, 12	05_05	3	1, 3, 4, 6
VH639078	8, 12	05_06	3	1, 3, 4, 6
VH241146	12	06_00	4	1, 2, 4, 5
VH241150	12	06_01	4	1, 2, 4, 5
VH241151	12	06_02	4	1, 2, 4, 5
VH241159	12	06_03	4	1, 2, 4, 5
VH241148	12	06_04	4	1, 2, 4, 5
VH241154	12	06_05	4	1, 2, 4, 5
VH241155	12	06_06	4	1, 2, 4, 5
VH241156	12	06_07	4	1, 2, 4, 5
VH241157	12	06_08	4	1, 2, 4, 5
VH241149	12	06_09	4	1, 2, 4, 5
VH241147	12	06_10	4	1, 2, 4, 5
VH241158	12	06_11	4	1, 2, 4, 5
VH241153	12	06_12	4	1, 2, 4, 5

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH240111	12	07_00	4	1, 2, 4, 5
VH240377	12	08_00	4	1, 2, 4, 5
VH240112	12	09_00	4	1, 3, 4, 6
VH638866	4, 8	10_00	4	1, 3, 4, 6
VH651609	12	10_00	4	1, 3, 4, 6
VH638868	4, 8, 12	10_01	4	1, 3, 4, 6
VH638870	4, 8, 12	10_02	4	1, 3, 4, 6
VH638872	4, 8, 12	10_03	4	1, 3, 4, 6
VH638875	4, 8, 12	10_04	4	1, 3, 4, 6
VH638876	4, 8, 12	10_05	4	1, 3, 4, 6
VH638883	4, 8, 12	10_06	4	1, 3, 4, 6
VH638885	4, 8, 12	10_07	4	1, 3, 4, 6
VH638877	12	10_08	4	1, 3, 4, 6
VH638878	12	10_09	4	1, 3, 4, 6
VH638879	12	10_10	4	1, 3, 4, 6
VH639079	4, 8, 12	11_00	4	1, 2, 4, 5
VH639080	4, 8, 12	11_01	4	1, 2, 4, 5
VH639082	4, 8, 12	11_02	4	1, 2, 4, 5
VH639084	4, 8, 12	11_03	4	1, 2, 4, 5
VH732329	4, 8, 12	11_04	4	1, 2, 4, 5
VH639086	4, 8, 12	11_05	4	1, 2, 4, 5
VH639087	4, 8, 12	11_06	4	1, 2, 4, 5
VH639089	4, 8, 12	11_07	4	1, 2, 4, 5
VH732330	4, 8, 12	11_08	4	1, 2, 4, 5
VH638951	4, 8, 12	12_00	4	1, 2, 4, 5
VH638970	4, 8, 12	12_01	4	1, 2, 4, 5
VH638983	4, 8, 12	12_02	4	1, 2, 4, 5
VH638985	4, 8, 12	12_03	4	1, 2, 4, 5
VH638987	4, 8, 12	12_04	4	1, 2, 4, 5

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH638991	4, 8, 12	12_05	4	1, 2, 4, 5
VH639115	4, 8, 12	13_00	4	2, 3, 5, 6
VH639117	4, 8, 12	13_01	4	2, 3, 5, 6
VH639120	4, 8, 12	13_02	4	2, 3, 5, 6
VH639122	4, 8, 12	13_03	4	2, 3, 5, 6
VH639125	4, 8, 12	13_04	4	2, 3, 5, 6
VH639127	4, 8, 12	13_05	4	2, 3, 5, 6
VH639128	4, 8, 12	13_06	4	2, 3, 5, 6
VH639733	8, 12	14_00	4	2, 3, 5, 6
VH639744	8, 12	14_01	4	2, 3, 5, 6
VH639749	8, 12	14_02	4	2, 3, 5, 6
VH639753	8, 12	14_03	4	2, 3, 5, 6
VH639760	8, 12	14_04	4	2, 3, 5, 6
VH639763	8, 12	14_05	4	2, 3, 5, 6
VH639765	8, 12	14_06	4	2, 3, 5, 6
VH639770	8, 12	14_07	4	2, 3, 5, 6
VH639777	8, 12	14_08	4	2, 3, 5, 6
VH639871	12	15_00	4	2, 3, 5, 6
VH640721	12	16_00	4	2, 3, 5, 6
VH640739	12	16_01	4	2, 3, 5, 6
VH640746	12	16_02	4	2, 3, 5, 6
VH640748	12	16_03	4	2, 3, 5, 6
VH640749	12	16_04	4	2, 3, 5, 6
VH640750	12	16_05	4	2, 3, 5, 6
VH640754	12	16_06	4	2, 3, 5, 6
VH640757	12	16_07	4	2, 3, 5, 6
VH640758	12	16_08	4	2, 3, 5, 6
VH640771	12	16_09	4	2, 3, 5, 6
VH640773	12	16_10	4	2, 3, 5, 6

Accnum	Grade	Grade 12 OMB PDFSequence Number	Number of Grade 12 booklets item appears in	Grade 12 booklets item appears in
VH640776	12	16_11	4	2, 3, 5, 6
VH743438	4, 8, 12	17_00	4	1, 3, 4, 6

Appendix I-1I: Summary of Revisions Grade 8 Civics

revious item							2018 item							D/A/ R/NC+	Rationale
In which of the follow government? Select or				ies and/or Unite	d States	V9M36253	In which of the following government? Select 00				es and/or United	States	ANTONIO	R	Subitem "a" was dropped given
	Yes, I too class or co main! focused civics an United St governm	on and/or ates	I took a or course included e civics r United tates rnment opics.	No, I did not take a class or course that taught civics and/or United States government topics.	I don't remember.			Yes, I to class or c maini focused civics an United S governm	ourse class that son and/states sove	, I took a s or course i included ne civics or United States vernment topics.	No, I did not take a class or course that taught civics and/or United States government topics.	I don't remember.			the high frequency percentage for the response "I
a. 5th grade	00		®	0	Ф	V19457393	a. 6th grade	00		0	0	ė.	VEHICLE		don't know".
b. 6th grade	00		®	0	Φ	V89457394	b. 7th grade	0		0	0	do	VISION		
c. 7th grade	90		®	0	Ф	VHALTS94	c. 8th grade	0		0	0	ф	VIMPLE		
2017 Grade 8)															
¥ 5 ¥							 In your social studies of topics? Select one ans 			ave you stu	died the followin	g	VILLETTED	D	Cubitom "o" wa
In your social studies of topics? Select one ansy	class this year, h	ow much ha	ave you sti	udied the followi	ng	VIMETIS)				some	Quite a bit	A lot	VILLETTIC	R	Subitem "e" was
In your social studies of topics? Select one ansi	wer choice on ea	ow much ha	some	udied the followi	ng A lot	VIM2739)		wer choice on e	each row.				VILLETTON VILLETTON	R	
a. The United States Constitution	wer choice on ea	ich row.				VIMITION	a. The United States Constitution b. The three branches of the United States	wer choice on e	Very little	Some	Quite a bit	A lot	П	R	dropped given that United States
a. The United States Constitution b. The three branches of the United States government (executive, judicial,	Not at all	Very little	Some	Quite a bit	A lot		a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches)	wer choice on e	Very little	Some	Quite a bit	A lot	VISILETANI VISILETANI	R	dropped given that United States government is already being
a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative	Not at all	very little	Some	Quite a bit	A lot	\$1945/308.	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made	Not at all	Very little	Some	Quite a bit	A lot	VIACTUR	R	dropped given that United States government is already being captured in
topics? Select one answars The United States Constitution The three branches of the United States government (executive, judicial, and legislative branches) How laws are made	Not at all	very little	Some	Quite a bit	A lot	\$1945/308.	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches)	Not at all	Very little	Some	Quite a bit	A lot	VISILETANI VISILETANI	R	dropped given that United States government is already being captured in subitems "a" an
a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting	Not at all	wer very little	Some ©	Quite a bit	Α Ιοτ Φ	\$79457358 \$79457358	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. Other countries' governments (for	Not at all	Very little	Some	Quite a bit	A lot	VERSITAR VERSITAR	R	dropped given that United States government is already being captured in subitems "a" an "b". State and
topics? Select one answers The United States Constitution The three branches of the United States government (executive, judicial, and legislative branches) Thou laws are made Political parties, elections, and voting State government and local government	Not at all	© ©	Some ©	Quite a bit	A lot	\$79457358. \$79457359 \$79457363	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. Other countries' governments (for example, their structure, how they	Not at all	Very little	Some	Quite a bit	A lot	VERSITAR VERSITAR	R	dropped given that United States government is already being captured in subitems "a" an "b". State and local
a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. State government and local government f. Other countries' governments (for example, their structure, how they	Not at all	© © ©	Some ©	Quite a bit	A lot	979457309 979457309 979457368 979457366	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. Other countries' governments (for example, their structure, how they are run, or interactions with the United States) f. International	Not at all	D D D	Some	Quite a bit	A lot	VIBSTAN VIBSTAN VIBSTAN VIBSTAN	R	dropped given that United States government is already being captured in subitems "a" an "b". State and local government is also captured in
a. The United States Constitution b. The three branches of the United States constitution the United States government (executive, judicial, and legislative branches) the How laws are made d. Political parties, elections, and voting State government and local government f. Other countries' governments (for example, their structure, how they are run, or interactions with the United States) g. International	Not at all	© ①	Some © © ©	Quite a bit	do do do do	97145/1309 97145/1309 97145/1309 97145/1306 97145/1307	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. Other countries' governments (for example, their structure, how they are run, or interactions with the United States) f. International organizations (for example, the United Nations, World Bank, or World Health	Not at all	D D D	Some	Quite a bit	A lot	VIBSTAN VIBSTAN VIBSTAN VIBSTAN	R	dropped given that United States government is already being captured in subitems "a" an "b". State and local government is
a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. State government and local government f. Other countries' governments (for example, their structure, how they are run, or interactions with the United States)	Not at all	© ①	Some © © ©	Quite a bit	do do do do	97145/1309 97145/1309 97145/1309 97145/1306 97145/1307	a. The United States Constitution b. The three branches of the United States government (executive, judicial, and legislative branches) c. How laws are made d. Political parties, elections, and voting e. Other countries' governments (for example, their structure, how they are run, or interactions with the United States) f. International organizations (for example, the United Nations, World Sank.	wer choice on e Not at all	very little	Some ©	Quite a bit	A lot	VIRETORS VIRETORS VIRETORS VIRETORS VIRETORS	R	dropped given that United States government is already being captured in subitems "a" an "b". State and local government is also captured in VH457506 and

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
During this school year choice on each row.	, how often o	do you do each	of the followin	ng? Select one	answer	VINSTAGE	During this school year, one answer choice on e	how often o ach row.	o you do each	of the followi	ng activities?	Select	ATTEMATA.	R	The item stem
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			per Translatability
Read material from a civics and/or United States government textbook	6 0	Œ	9	ө	Œ	VH4CT410	Read material from a civics and/or United States government textbook (print or	ф	0	9	ф	Ф	Militaria.		Review to add "activities" after
 Read extra material about civics and/or United States government not in the regular textbook (for example, newspapers, magazines, or online sources) 	Φ	®	0	θ	©	¥19457411	digital) b. Read extra material about civies and/or United States government not in the regular textbook (for example, newspapers, magazines, or online	æ	Ф	6	ф	6	VIPLES		"the following". Revisions were made to subiter
c. Discuss material about civics and/or United States government with peers or teachers	Ø	®	9	Ф	Ф	VHASTALT	c. Conduct research about civies and/or								"a" to include print or digital
d. Conduct research about civics and/or United States government topics (for example, in a library or through interviews	00	®	0	θ	Φ	\$19457415	United States government topics (for example, online, in a library, or through interviews) d. Listen to or watch	.00	Φ	0	Ф	Ф	VIPLES		books, and to maintain consistency wit
or observations) e. Listen to or watch movies, videos, or online content about civics and/or United States government	æ	®	0	ө	©	VHASTALT	movies, videos, or online content about civics and/or United States government topics	3 0	Φ	0	•	Ф	VIII LIESE		changes made to other survey questionnaires.
2017 Grade 8)							Issue: Organizatio	n of Ins	truction						Subitem "c" was dropped to reduce burden.
															Revisions were made to subiter "d" to clarify th examples given

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
During this school year one answer choice on o		often have yo	u done each of	the following	? Select	милея	 During this school year excivities? Select one as 	so far, how of aswer choice	ften have you on each row	done each of	the following		Victoria	R	The item stem
	Never	Once	Two or three times	Four or five	More than five times	П	1 1	Never	Once	Two or three times	Four or five times	More than five times	121		per
a. Gone on class field trips to learn about civics and/or United States government topics	3 0	Ф	0	(5)	Œ	VH457429	 Cone on class field trips to learn about civics and/or United States government topics 	90	Φ.	0	9	Φ	VIII IAROB		Translatability Review to add "activities" after
b. Given class presentations on civics and/or United States government topics	۵	®	0	•	Ф	VEHSTANI	 Given class presentations on civics and/or United States government topics 	00	Ф	0	Ф	Φ	VIII INSE		"the following
c. Written about your opinion on a community problem or social issue (for example, in a letter, c-mail, or blog post)	3 0	Œ	0	Ф	Œ	VINETHIA	Written about your opinion on a community problem or social issue (for example, in a letter, e-mail, or blog post)	Ф.	Φ	9	Ф	Φ	yer (wwo.		
d. Taken part in political debates or panel discussions	۵	®	0	00	Œ	\$21457467	d. Taken part in political debates or panel discussions	00	0	0	0	Ф	Analysist		
e. Taken part in role-playing, mock trials, or dramas about civics and/or United States government topics	®	®	0	ө	6	VISASZAISA	e. Taken part in role-playing, mock trials, or dramas about civics and/or United States government topics	æ	9	9	0	Φ	WELLER		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

evious item							2018 item							D/A/ R/NC+	Rationale
5. During this school yes civics and/or United S	ar, how often o	lo you do each	n of the followi ne answer choi	ng when you ce on each ro	study ow.	VIMST\$12	 During this school year you study civics and/e row. 	, how often de or United State	you do each is governmen	of the followin	g activities v swer choice	when on each	Anti-America	R	The item stem has been revise
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			per Translatability
Study the roles and functions of the three branches of the United States government	æ	(D)	0	Φ	Φ	VH457503	Study the rights and responsibilities of United States citizens	3 0	Ф	0	Ф	d ways	VIII land		Review to add "activities" aft
Study the rights and responsibilities of United States citizens	3 0	3	ø	Φ	Ф	VH457504	b. Examine how the United States influences and is	3 0	9	6		Φ	VIII India.		"the following
Examine how the United States influences and is influenced by events	0	©	0	Φ	Ф	VHASTEGS	influenced by events in other countries c. Compare the roles and responsibilities of						X		Subitem "a" w dropped due t
in other countries Compare the roles and responsibilities of local, state, and national governments	ø	Œ	0	Φ	Ф	¥11457506	local, state, and national governments in the United States d. Study why it is	æ	•	0	Φ	Ф	Visit Gart.		overlap with VH457359.
in the United States Study why it is important to pay attention to the political process and	øs.	3	0	Ф	Ф	VH457308	important to pay attention to the political process and government c. Study why it is	30	0	0	Φ.	Ф	VIPTARE		Subitem "g" w
government Study why it is important for individuals to participate in the political process and government	æ	(0	Φ	Ф	VH457510	important for individuals to participate in the political process and government	æ	•	۵	Φ.	Φ	VISTORIY		on pilot response data and given tha the wording is
Support an opinion about an issue or problem with reasons and examples	00	©)	Ø	Ф	Ф	VH457524	Issue: Organizati	on of Inc	truction						more general compared to
Discuss the political process and government with others	®	(D)	0	Φ	Œ	¥#497525	issue. Organizati	011 01 1113	ti detion						rest of the subitems in the matrix.
017 Grade 8)															Subitem "h" w dropped given that talking about the political proce and governme is already bein captured through other items including VH457356 (b-6 and VH716857 (b, d).

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
17. In your social studies assignments? Select 0	class this year	, how often do	o you get the f	ollowing		VINSTERI	 In your social studies classignments? Select 0 				llowing		ymsns	NC	N/A
	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons			Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons			
Assignments that you have to complete together with other students	Φ.	@	0	Ф	Ф	V1946/5/32	 Assignments that you have to complete together with other students 	æ	Φ	ø	9	Ф	VINEFICE		
b. Short written responses (for example, a paragraph or less)	00	®	0	Ф	Ф	VINSTSAT	b. Short written responses (for example, a paragraph or less)	œ	9	9	9	Ф	VINEFEE		
Assignments that use different forms of media (for example, photos, videos, or music)	3 0	•	0	Ф	Œ	VH457534	 Assignments that use different forms of media (for example, photos, videos, or music) 	æ	θ	9	ф	Ф	VIHETER		
d. Long written responses (for example, several paragraphs)	05	©	0	Ф	Œ	VHASTS-ID	d. Long written responses (for example, several paragraphs)	30	Φ	0	9	Ф	VINEFIAI		
e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	æ	©	0	Ф	Œ	V19457542	e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	æ	0	0	Ф	0	пиры		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

						2018 item							D/A/ R/NC+	Rationale
ng? For thi	s question, inc	lude both scho	or other digi solwork and	tal	VIMETRO	devices to do the follow	ving? For thi	is question, inc	lude both scho	or other digita solwork and	1	VIIIITS	NC	N/A
Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			
•	3	0	Ф	Ф	\$7145754E	about civics and/or United States government topics by creating tables, charts, or graphs	00	0	9	9	8	VINETAR		
Ø5	3	Ø	Ф	Œ	V1467549	 b. Create reports or projects about civies and/or United States government using different forms of media (for example, a slide presentation that combines text and video clips) 	œ	Ф	9	9	θ	ALPENSA'S		
Œ.	(3)	Ø	Ф	Ф	¥3945/3503	Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media)	æ	Ф	9	. 69	6	Waterland		
0 0	©	0	Ф	Ф	VINGTSOL	d. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	æ	Œ	.0	0	6	46867531		
9	ng? For thi Select one Never	ng? For this question, inc Select one answer choice Never About once or twice a year	ag! For this question, include both sche Select one answer choice on each row. Never About once or twice a year or twice a month	ag! For this question, include both schoolwork and Select one answer choice on each row. Never About once or twice a year a month About once or twice a week	Select one answer choice on each row. Never	udies, how often do you use computers or other digital age? For this question, include both schoolwork and Select one answer choice on each row. Never	devices to do the follow homework assignment a. Organize information about civics and/or United States government using different forms of media for example, a slide presentation that combines text and video clips) c. Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media) d. Use the Internet to look for evidence or sources (for example, text documents, photographic images,	devices to do the following? For this schoolwork and Select one answer choice on each row. Never	devices to do the following? For this guestion, include both schoolwork and Select one answer choice on each row. About once of twice a year About once of twice a month	devices to do the following? For this question, include both schoolwork and Select one answer choice on each row. About once About once About once or twice a week week every day	devices to do the following! For this question, include both schoolwork and select one answer choice on each row. Never About once or twice a week a month About once or twice a week Conganize information about civics and/or United States government using different forms of media (for example, a slide presentation that combines text and video clips) C. Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media) C. Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media) C. Description of the following! For this question, include both schoolwork and homework assignments. Select one answer choice on each row. About once or twice a week Never Never About once or twice a government. Select one answer choice on each row. About once or twice a week In twice a week I	devices to do the following? For this question, include both schoolwork and sclect one answer choice on each row. Never About once or twice a week wiser month About once or twice a week week week with day About once or twice a week week week with day About once or twice a week week week week week week week w	udies, how often do you use computers or other digital agi For this question, include both schoolwork and Select one answer choice or each row. Select one answer choice or each row. Select one answer choice or each row. About once or twice a year or of twice a year month About once or twice a year or of twice a week every day or almost every day About once or twice a year or of twice a year month About once or twice a year almost every day About once or twice a year month About once or twice a year mont	udies, how often do you use computers or other digital gif For this question, include both schoolwork and Select one answer choice on each row. Never About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once on cach row. About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once or twice a month week a cevery day About once on cach row. About once on cach row. About once on cach row. About once or twice a month week a cevery day or or twice a week a cevery day About once or twice a month week a cevery day About once on cach row. Abo

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							2018 item							D/A/ R/NC+	Rationale
9. How much does each one answer choice on	of the follow each row.	ing statement	s describe a pe	erson like you	? Select	VINCTURE	How much does each choice on each row.	of the following	ng statements	describe you	Select one a	nswer	Assizmossi	R	Revisions wer
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			item stem per
i. I believe I can make a difference in my community.	ø.	@	0	Ф	Ф	V15457831	I think I can make a difference in my community.	æ	Ф	9	Ф	Φ	S129 Latert		recommenda n of the
By working with others in the community, I can help make things better.	æ	®	0	Ф	Ф	VHASTIST	b. I think being actively involved in community issues is my responsibility.	00	0	9		Φ	STATISTICS		Questionnair Standing
Being actively involved in community issues is my responsibility.	æ	®	9	Ф	Φ	VHASTREE	c. I think being concerned about state and local issues is an important	90	Ф	9		Ф	Yamana.		Committee fr
Being concerned about state and local issues is an important responsibility for	ø	®	0	Ф	Φ	V19457834	responsibility for everybody.								findings for a
I have good ideas for programs and projects that would help solve	20	@	9	9	Ó	V19457835-	programs and projects that would help solve problems in my community.	æ	٠	9	8	Φ	Art. Petito		item. Subitem "b"
problems in my community. Three years from now, I expect to be involved in improving my	20	@	0	Ф	æ	VH457856	 I expect to be involved in improving my community three years from now. 	as:	•	0	a	ø	VIETLEBE		dropped give
															VH457831 w be used instead of subitem "
															(VH457832) given that it avoids the us the word "things" (for other subject NCES commented avoiding the of the word "things" if possible).

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
															across subitem wording within this matrix, subitem c was revised so that the sentence structure did no begin with a clause. For subitem "a" the phrase "I believe" was revised to "I think" to avoid
	- aircon	AD. 10				VIMSTET	S. Do you divise the street	annid he ship	to do sook of	the fellowing	2 Salant one o		VINDIO:	NC	appearing as psychological profiling.
10. Do you think that you choice on each row.	1 definitely	I probably	f the followi	I probably	I definitely		Do you think that you choice on each row.	I definitely	I probably	the following	1 probably	I definitely	VILLETO	NC	psychological
							a. Explain the roles and functions of the three branches of the United States government						VILLEY TO STATE OF THE STATE OF	NC	psychological profiling.
a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens	I definitely can't	I probably can't	Maybe	I probably can	I definitely can		a. Explain the roles and functions of the three branches of the United	I definitely can't	I probably can't	Maybe	I probably can	I definitely can		NC	psychological profiling.
a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influenced by events in other countries	I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	¥394678[70	a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influences and is influenced by events	I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	YEAR PARK	NC	psychological profiling.
a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influenced by events in other countries d. Compare the roles and responsibilities of local, state, and national governments in the United States	I definitely can't	I probably can't	Maybe ©	l probably can	1 definitely can	V19457870 V19457870	a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influenced by events in other countries d. Compare the roles and responsibilities of local state, and	I definitely can't	I probably can't	Maybe ©	I probably can	1 definitely can	VINCTON VINCTON	NC	psychological profiling.
a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influenced by events in other countries d. Compare the roles and responsibilities of local, state, and national governments	I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	V19457870 V19457870	a. Explain the roles and functions of the three branches of the United States government b. Explain the rights and responsibilities of United States citizens c. Explain how the United States influences and is influenced by events in other countries d. Compare the roles and responsibilities of	I definitely can't	I probably can't	Maybe ©	I probably can	I definitely can	VINATARE VINATARE VINATARE	NC	psychological profiling.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

A little bit like me	Somewhat like me	Quite a bit like me	Property Select Exactly like me (D)	VIESANIO	How much does each choice on each row. a I want other students	of the follow Not at all like me	A little bit			nswer	Militares	R	Revisions were made to the item stem per
like me	like me	Тіке те Ф	me			Not at all like me			Deterable 1				item stem per
			Ф	VHS41719	a. I want other students	Not at all like me			Charles a bits				
			Ф	VH565719	a I want other students		like me	Somewhat like me	like me	Exactly like me			recommendati
®	0				to think I am a good civics and/or United	do	0	89	Ф	Ф	Auto, restine		n of the Questionnaire
4		0	Φ	WHESESTED	States government student. b. I want to show others that my civics and/or								Standing Committee fro
-					United States government schoolwork is easy for me.	æ	0	0	Ф	Ф	ytar Gara		science cog lab findings for a
(3)	O	Ф	Φ	V15565721	I want to look smart in comparison to the other students in my	60	0	9	Ф	0	VIII LOSSI		similarly word item. Inclusion
•	Ø	Ф	Ф	V14545722	and/or United States government class.		2-1						of this item is also recommended
lowing statemen	ts describe a p			911565729			ving statement	ts describe yo	u? Select one	answer	Virtual I	R	consistency across subject Revisions were made to the item stem per
e like me	like me	like me	me										
						Not at all	A little bit	Somewhat	Quite a bit	Exactly lik			•
®	0	Ф	Φ	VHS45728	I want to learn as much as possible about civics and/or	like me	like me	like me	like me	me			recommendat n of the Questionnaire
①	0	Ф	D	VHSAS728	much as possible						THT 14900		recommendat n of the Questionnaire Standing Committee fro
					much as possible about civics and/or United States government in my class.	like me	like me	like me	like me	me			recommendat n of the Questionnaire Standing Committee fro science cog lat findings for a
•	0	Ф	Φ	V1545730	much as possible about civies and/or United States government in my class. b. I want to master a lot of new civies and/or United States government skills in my class. c. I want to become a better civies and/or United States	Uke me	like me	like me	Tike me	Ф	VIET 14990		recommendat n of the Questionnaire Standing Committee fro science cog lat findings for a similarly word item. Inclusion
•	0	Ф	Φ	V1545730	much as possible about civics and/or United States government in my class. b. I want to master a lot of new civics and/or United States government skills in my class. c. I want to become a better civics and/or	Uke me	like me	like me	Dike me	me ⊕	\$1671,6950		recommendati n of the Questionnaire Standing Committee fro science cog lab
1	owing statemen	© wing statements describe a p	owing statements describe a person like you	owing statements describe a person like you? Select	owing statements describe a person like you? Select VISSETS VISSETS VISSETS VISSETS	© © © © © Tross722 Comparison to the other students in my social studies, civics, and/or United States government class. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factor S	comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors Student Factors Student Factor Student Factor	Comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors Issue: Student Factors S	Comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class. I want to get better civics and/or United States government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students in my class government grades than most other students government grades than most other government grades than most other grades government gr	comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors I A A A	Comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors 11. How much does each of the following statements describe you? Select one answer choice on each row.	Comparison to the other students in my social studies, civics, and/or United States government grades than most other students in my class. Issue: Student Factors I A little bit Somewhat Quite a bit Exactly like	Comparison to the other students in my social studies, civics, and/or United States government class. d. I want to get better civics and/or United States government grades than most other students in my class. Issue: Student Factors R 11. How much does each of the following statements describe you? Select One answer choice on each row.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
							12. How much does each	64-60-				0.007-	Same	R	Subitem "d" wa dropped in order to keep 4 items each from the mastery and performance facets of the achievement goals items.
7. How much does each one answer choice on		A little bit	Somewhat		Exactly like	¥11457259	12. How much does each choice on each row.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit	Exactly like me		K	made to the item stem per
Civics and/or United States government are my favorite topics to study.	Ф	Ф	like me	Ф	Ф	VEHASTSAN	 Civics and/or United States government are my favorite topics to study. 	æ	Ф	9	Ф	Φ	VIETLENCE		recommendati n of the Questionnaire
b. Schoolwork about civics and/or United States government is easy for me.	œ	@	0	Ф	Ф	VH457561	b. I enjoy doing schoolwork about civics and/or United States government.	ф	.00	9	Ф	æ	NEC. PER AN		Standing Committee fro
e. I enjoy doing schoolwork about civics and/or United States government.	00	•	0	Ф	Φ	VH457543	 c. I enjoy discussing civics and/or United States government topics with others. 	6 0	Ф	9	8	Ф	Star Gett		science cog lab findings for a
d. I enjoy discussing civics and/or United	œ	©	9	Ф	Ф	VHASTSTO	d. I think that civics and/or United States government schoolwork helps me	90		9	9	B	VIZ LABOR		similarly worde item.
States government topics with others.		0	9	9	Œ	W1945/7571	understand what is happening in the world around me. c. I think that learning about civics and/or United States								Subitem "b" w
States government topics with others. e. I think that civics and/or United States government schoolwork helps me understand what is happening in the world around me.	œ	Φ.			1112 111		government topics	00	(D)	0	(20)	Ф	VED DESI-		maintain

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
8. During this school year school? Select one ans			of the follow	ing outside of		VIMBTRO	13. During this school year,	how often	do you do each	of the follow	ing activities	outside	Vitylates	R	Subitems "c" was dropped
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day		of school? Select one an	swer choice	About once	About once	About once	Every day or			given that due 62% of
Read about current political events in the media	00	Œ	0	Ф	Ф	VHALTIN	1.	Never	or twice a	or twice a month	or twice a week	almost every day			respondents
b. Watch movies, videos, and/or TV programs about current political	œ	(D)	Ø	Ф	Ф	VHASTING	Read about current political events in the media Watch movies, videos,	(D)	Ф	0	•	0	Age, Person		chose "Never" a response
c. Communicate with government officials (for example, mayor,				1 1			and/or TV programs about current political events	90	Φ	0	0	00	Vitriane		option.
council member, or governor) about an issue or problem	00	®	0	0	Ф.	VHALTITE.	 Participate in volunteer activities within a community 	Φ.	0	0	0	9	VERT (LARME		Subitem "e" wa
d. Participate in volunteer activities in your community	00	(D)	Ø	Ф	Ф	VH457773	d. Discuss current political events or issues with others (for	00	Φ	9	9	9	VIII LANG		overlap with a similar item in
e. Talk about the political process and government with others	00	(D)	0	Φ.	Ф	V19457775-	example, people in my home or friends)						Ш		the self-efficac
f. Discuss current political events or issues with others (for example, people in my home or friends)	©	(3)	0	Ф	Ф	WH457776	Issue: Student Fac	tors							set (VH457897
2017 Grade 8)						V)(457761								NC	N/A
 How often do you receistudies outside of scho Never 	ive help from ol or after scl	a tutor, family 100l?	y member, or f	riend with so	cial		14. How often do you recei			y member, or	friend with so	cial	мушатум.		
About once or twice	e a year						studies outside of scho	ol or after so	chool?						
About once or twice	e a month						© Never								
About once or twice	e a week						About once or twice About once or twice								
 Every day or almos 	t every day						About once or twice About once or twice								
							© Every day or almos								
2017 Grade 8)							Issue: Resources f	or Lear	ning and	Instruct	ion				
18. Approximately how ma	ny hours a da	ay do you spen	nd on your soc	ial studies		V15450017	15. Approximately how r homework?	nany hour	s a day do you	spend on yo	ur social sen	dies		NC	N/A
homework?							D Less than 30 min	utes a day							
Less than 30 minute							D 30 minutes up to		ay						
© 30 minutes up to 1 l							© I up to 2 hours a	day							
© 1 up to 2 hours a day							② 2 up to 3 hours a	day							
m 1 21	У						D 3 up to 4 hours a	day							
© 2 up to 3 hours a day															
 2 up to 3 hours a day 3 up to 4 hours a day More than 4 hours a 							More than 4 hour	s a day							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item	D/A/ R/NC+	Rationale
11. Do you think that you choice on each row.	would be ab	le to do each o	of the followin	g? Select one	answer	VINSTINS	N/A	D	This item was dropped in orde
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	1			to reduce
Support an opinion about an issue or problem with reasons and examples	Ø	(D)	0	Φ	Φ	VH457096			burden. Similar items for self- efficacy from
b. Discuss the political process and government with others	Ø	®	9	Ф	Ф	VH457897			VH457877 were
c. Understand other people's perspectives on social issues (for example, neighborhood safety, Internet privacy, or environmental conservation)	۵	•	9	ө	Φ	WH457904			given that the wording for this item is general and does not
d. Form an effective plan for addressing social issues	٥	0	0	9	(V19457903			specify social studies specific
									content.
Contract Con	its describe a	person like you	u? Select one a	inswer choice	on each	¥[58507	N/A	D	This item was dropped and the version which
12. When you study civics the following statemen	s and/or Units ats describe a Not at all like me	ed States gover person like you A little bit like me	rnment, how i 2? Select one a Somewhat like me	much does eas inswer choice Quite a bit like me	ch of on each Exactly like me	¥[556607	N/A	D	This item was dropped and the version which includes specif
12. When you study civics the following statemen	Not at all	A little bit	a? Select one a	Ouite a bit	on each Exactly like	¥9556609	N/A	D	This item was dropped and the version which includes specific subject
When you study civics the following statemer row. I want other students to think I am a good	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me		N/A	D	This item was dropped and the version which includes specific subject reference in the subitems was
a. I want other students to think I am a good student. b. I want to show others that my schoolwork is	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VP588610	N/A	D	This item was dropped and the version which includes specific subject reference in the

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item	D/A/ Ra R/NC+	itionale
When you study geogratest describe a person like years.	aphy, how mu you? Select 01	ich does each ie answer cho	of the followi	ng statements w.	s	VH:363907	N/A	dro	is item was opped and th
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	2			rsion which cludes specific
I want to learn as much as possible in my class.	69	®	ø	Φ.	Φ	V15565900		sub	bject .
I want to master a lot of new skills in my class.	30	®	0	0	©	V155638080			ference in the bitems was
I want to become a better student this year.	6	®	0	Ф	Φ	97:5565911			tained. This
I want to get good grades in my	0	®	0	100	Ф	VH560912		cor	ntent
schoolwork.						_		COI	nsistency
I want to understand as much as I can in my class. 017 Grade 8)	© class this scho	ool year, how	© often have you	done each of	Œ the	Missessit	N/A	D Thi	is item has
I want to understand as much as I can in my class. O17 Grade 8)	class this sch	ool year, how on each row.	7 1	done each of	the All or almost all of		N/A	D Thi bee giv	is item has en dropped en that Self-
I want to understand as much as I can in my class. O17 Grade 8) 19. In your social studies following? Select one:	class this scho answer choice Never or	ool year, how o	often have you	done each of	the		N/A	D Thi bee giv Cor are	en dropped ven that Self- ntrol items e already
I want to understand as much as I can in my class. O17 Grade 8) 19. In your social studies following? Select one studies class prepared. I remembered and followed directions from my social studies from my social studies from my social studies from my social studies.	class this scho answer choice Never or hardly ever	ool year, how on each row. Less than half of the time	About half of the time	done each of More than half of the time	the All or almost all of the time		N/A	D Thi bee giv Cor are	is item has en dropped en that Self- ntrol items e already
I want to understand as much as I can in my class. O17 Grade 8) 19. In your social studies following? Select one: I came to my social studies distudies class prepared. I temembered and followed directions	class this scho answer choice Never or hardly ever	ool year, how on each row. Less than half of the time	About half of the time	done each of More than half of the time	All or almost all of the time	91647919 976457921	N/A	D Thi bee giv Cor are	is item has en dropped ren that Self- ntrol items
I want to understand as much as I can in my class. O17 Grade 8) 19. In your social studies following? Select one studies class prepared. I came to my social studies class prepared. I remembered and followed directions from my social studies tracher. I started working on social studies assignments right away rather than waiting until the last	class this scheanswer choice Never or hardly ever	ool year, how on each row. Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	91647994 976457921 976457921	N/A	D Thi bee giv Cor are	is item has en dropped en that Self- ntrol items e already

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-1m: 2018 Operational Grade 8 Civics

1. In which of the following grades have you learned about civics and/or United States government? Select **one** answer choice on each row.

	Yes, I took a class or course mainly focused on civics and/or United States government.	Yes, I took a class or course that included some civics and/or United States government topics.	No, I did not take a class or course that taught civics and/or United States government topics.	I don't remember.	
a. 6th grade	(A)	®	0	0	VH457394
b. 7th grade	(A)	®	0	0	VH457396
c. 8th grade	(A)	®	©	0	VH457397

VH457356

2. In your social studies class this year, how much have you studied the following topics? Select **one** answer choice on each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	The United States Constitution	(A)	®	0	0	Œ	VH457358
b.	The three branches of the United States government (executive, judicial, and legislative branches)	(4)	®	0	Θ	Θ	VH457359
c.	How laws are made	A	®	0	0	Œ.	VH457363
d.	Political parties, elections, and voting	(A)	®	0	0	Œ	VH457366
e.	Other countries' governments (for example, their structure, how they are run, or interactions with the United States)	(4)	®	0	Θ	(VH457368
f.	International organizations (for example, the United Nations, World Bank, or World Health Organization)	(4)	®	0	Φ	(E)	VH457369
g.	Current political and social issues	(A)	®	0	0	Œ	VH457372

3. During this school year, how often do you do each of the following activities? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Read material from a civics and/or United States government textbook (print or digital)	(A)	®	0	0	©.	VH716852
b.	Read extra material about civics and/or United States government not in the regular textbook (for example, newspapers, magazines, or online sources)	(9)	©	0	Θ	©	VH716853
c.	Conduct research about civics and/or United States government topics (for example, online, in a library, or through interviews)	(4)	®	0	Φ	©.	VH716855
d.	Listen to or watch movies, videos, or online content about civics and/or United States government topics	0	®	0	Φ	©.	VH716854

4. During this school year so far, how often have you done each of the following activities? Select **one** answer choice on each row.

		Never	Once	Two or three times	Four or five times	More than five times	
a.	Gone on class field trips to learn about civics and/or United States government topics	0	®	0	0	©.	VH716858
b.	Given class presentations on civics and/or United States government topics	(4)	®	0	Θ	©	VH716859
c.	Written about your opinion on a community problem or social issue (for example, in a letter, e-mail, or blog post)	(4)	®	0	Θ	©	VH716862
d.	Taken part in political debates or panel discussions	(A)	®	0	0	Œ	VH716861
e.	Taken part in role-playing, mock trials, or dramas about civics and/or United States government topics	(4)	®	0	0	©	VH716860

5. During this school year, how often do you do each of the following activities when you study civics and/or United States government? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Study the rights and responsibilities of United States citizens	(A)	®	0	0	Ē	VH716865
b.	Examine how the United States influences and is influenced by events in other countries	(4)	®	0	0	<u>(</u>	VH716866
c.	Compare the roles and responsibilities of local, state, and national governments in the United States	(9)	®	0	Θ	(VH716871
d.	Study why it is important to pay attention to the political process and government	(4)	®	0	0	(VH716868
e.	Study why it is important for individuals to participate in the political process and government	®	®	0	•	Œ	VH727879

6. In your social studies class this year, how often do you get the following assignments? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a.	Assignments that you have to complete together with other students	(A)	®	0	0	©.	VH457532
b.	Short written responses (for example, a paragraph or less)	(®	0	Θ	©	VH457533
c.	Assignments that use different forms of media (for example, photos, videos, or music)	(4)	®	0	Θ	©	VH457534
d.	Long written responses (for example, several paragraphs)	(4)	®	0	0	©.	VH457540
e.	Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	(4)	®	0	Φ	Ē	VH457542

7. When you study social studies, how often do you use computers or other digital devices to do the following? For this question, include both schoolwork and homework assignments. Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Organize information about civics and/or United States government topics by creating tables, charts, or graphs	(®	0	Φ	©.	VH457548
b.	Create reports or projects about civics and/or United States government using different forms of media (for example, a slide presentation that combines text and video clips)	(4)	®	0	Θ	(VH457549
c.	Participate in online discussions about civics and/or United States government on a website (for example, in forums or social media)	(4)	©	0	Φ	©.	VH457550
d.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	(9)	®	0	Φ	©.	VH457551

8. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I think I can make a difference in my community.	(A)	®	0	0	Œ	VH716888
b. I think being actively involved in community issues is my responsibility.	®	®	0	0	©	VH716893
c. I think being concerned about state and local issues is an important responsibility for everybody.	(A)	®	0	Φ	©.	VH716891
d. I have good ideas for programs and projects that would help solve problems in my community.	(A)	®	©	Φ	©.	VH716892
e. I expect to be involved in improving my community three years from now.	a	®	0	0	Œ	VH716890

9. Do you think that you would be able to do each of the following? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Explain the roles and functions of the three branches of the United States government	(8)	®	0	0	©.	VH457878
b.	Explain the rights and responsibilities of United States citizens	(A)	®	0	0	Œ	VH457879
c.	Explain how the United States influences and is influenced by events in other countries	(4)	®	0	0	Œ	VH457880
d.	Compare the roles and responsibilities of local, state, and national governments in the United States	(9)	®	0	0	<u>(</u>	VH457882
e.	Explain why it is important to pay attention to the political process and government	(4)	®	0	0	Œ	VH457884
f.	Explain why it is important for individuals to participate in the political process and government	(4)	®	0	0	Œ	VH457885

10. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am a good civics and/or United States government student.	(®	0	0	©.	VH716895
b.	I want to show others that my civics and/or United States government schoolwork is easy for me.	(9)	®	0	Θ	©	VH716898
c.	I want to look smart in comparison to the other students in my social studies, civics, and/or United States government class.	(4)	®	0	Θ	©	VH716897
d.	I want to get better civics and/or United States government grades than most other students in my class.	0	®	0	Φ	©.	VH716896

11. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want to learn as much as possible about civics and/or United States government in my class.	(A)	(3)	0	0	©.	VH716900
b. I want to master a lot of new civics and/or United States government skills in my class.	(A)	®	0	0	©	VH716901
c. I want to become a better civics and/or United States government student this year.	(4)	(8)	0	0	©.	VH716904
d. I want to understand as much as I can abou civics and/or United States government in my class.	(A)	(3)	0	(1)	©.	VH716902

12. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	Civics and/or United States government are my favorite topics to study.	®	®	0	0	©.	VH716874
b.	I enjoy doing schoolwork about civics and/or United States government.	(A)	®	0	0	©	VH716879
c.	I enjoy discussing civics and/or United States government topics with others.	(A)	®	0	0	©	VH716877
d.	I think that civics and/or United States government schoolwork helps me understand what is happening in the world around me.	®	®	0	©	©.	VH716878
e.	I think that learning about civics and/or United States government topics will be important for my future.	0	®	0	©	©.	VH716876

2018 Operational Grade 8 Civics Student Items

VH716880

13. During this school year, how often do you do each of the following activities **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Read about current political events in the media	(A)	®	©	0	©	VH716881
b.	Watch movies, videos, and/or TV programs about current political events	®	®	0	0	©.	VH716882
c.	Participate in volunteer activities within a community	(A)	®	0	0	Œ	VH716884
d.	Discuss current political events or issues with others (for example, people in my home or friends)	(4)	(B)	0	0	©	VH716883

VH457791

14. How often do you receive help from a tutor, family member, or friend with social studies **outside of school or after school**?

12

- Never
- About once or twice a year
- About once or twice a month
- About once or twice a week
- © Every day or almost every day

2018 Operational Grade 8 Civics Student Items

VH459937

- **15.** Approximately how many hours a day do you spend on your **social studies** homework?
 - Less than 30 minutes a day
 - ® 30 minutes up to 1 hour a day
 - © 1 up to 2 hours a day
 - ② 2 up to 3 hours a day
 - ② 3 up to 4 hours a day
 - More than 4 hours a day

Appendix I-1n: Summary of Revisions Grade 8 Geography

revious item														D/A/ R/NC+	Rationale
In which of the following grades have you learned about geography? Select one answer choice on each row. Yes, I took a No, I did not						VH459042	25. In which of the followi choice on each row.	ng grades have y	ou learned al	bout geogr	raphy? Select on	e answer	VB459042	R	Subitem "a" was
	Yes, I to class or c main focused geograf	ourse class of that if		No, I did not take a class or course that taught geography topics.	I don't remember.			Yes, I tool class or cor mainly focused o geograph	rse class or that in so geogr		No, I did not take a class or course that taught geography topics.	I don't remember,			the high frequency percentage for
a. 5th grade	0		®	0	0	VH459043	a. 6th grade	0		D	0	0	VH459044		the response "I
b. 6th grade	0		®	0	0	VH459044	b. 7th grade	0	_	D	0	0	VH459045		don't know".
c. 7th grade	0		(D)	0							0	0			don't know".
d. 8th grade	class this year,	how much h	(0	Ф Ф	VH459045 VH459046 VH459048	c. 8th grade Issue: Organizatio 26. In your social studies topics? Select one ans	class this year, h	uction	D ve you stu	© udied the follow	Φ ing	VH459046 VE459048	NC	N/A
d. 8th grade 017 Grade 8) 2. In your social studies	class this year,	how much h	(0	Φ ing	V31459046	c. 8th grade Issue: Organizatio 26. In your social studies topics? Select one ans	on of Instru class this year, h wer choice on ea	uction					NC	
d. 8th grade 017 Grade 8) 2. In your social studies	class this year,	how much h	⊕ ave you st	© udied the follow	Φ ing	V31459046	c. 8th grade Issue: Organizatio	on of Instru class this year, h wer choice on ea	ow much ha	ve you stu	udied the follow	ing		NC	
d. 8th grade 2017 Grade 8) 2. In your social studies topics? Select one ans: a. Using physical or digital maps (for example, a road map, MapQuest, or Google	class this year, wer choice on	how much heach row.	ave you st	Quite a bit	ing A lot	V91459046 VH459048	c. 8th grade Issue: Organizatio 26. In your social studies topics? Select one answard a. Use of physical or digital maps (for example, a road map, MapQuest, or Google	class this year, h	ow much ha	sve you stu	udied the followi	A lot	VE499048	NC	
d. 8th grade 2017 Grade 8) 2. In your social studies topics? Select one ans: a. Using physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes b. Natural resources (for example, oil, forests,	class this year, wer choice on	how much heach row. Very little	ave you st	Quite a bit	ing A lot	V934600446 VH499048 V94460049	c. 8th grade Issue: Organizatio 26. In your social studies topics? Select one ans a. Use of physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes b. Natural resources (for example, oil, forests,	class this year, hower choice on ea	ow much hach row.	Some	Quite a bit	A lot	VII499048 V91717072	NC	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
3. During this school year, how often do you do each of the following? Select one answer choice on each row.					27. During this school year, how often do you do each of the following activities? Select one answer choice on each row.						R	The item stem has been revised			
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			per Translatability
a. Read material from a geography textbook	0	©	0	0	Ð	VH459128	Read material from a geography textbook	0	0	0	0	9	VH717181		Review to add
b. Read extra material about geography not in the regular textbook (for example, newspapers, magazines, or online sources)	®	(0	0	Ф	VH459129	(print or digital) b. Read extra material about geography not in the regular textbook (for example, newspapers,	0	(D)	0	Φ	θ	VH717182		"activities" after "the following".
c. Discuss material about geography with peers	0	Ф	0	0	Θ	VH459130	magazines, or online sources) c. Conduct research								made to subite
or teachers d. Conduct research about geography topics (for example, in a library or through	•	Φ	0	Ф	Œ	VH459[34]	about geography topics (for example, online, in a library, or through interviews)	•	Φ	0	0	Θ	VH717184		"a" to include print or digital books, and to
interviews or observations) e. Listen to or watch movies, videos, or online content about geography topics	®	•	0	0	Ф	VF1469135	d. Listen to or watch movies, videos, or online content about geography topics	۵	Φ	0	0	.0	V91717183		maintain consistency wit
2017 Grade 8)							Issue: Organization	n of Ins	truction						changes made to other survey questionnaires.
															Subitem "c" wa dropped to reduce burden.
															Revisions were made to subitem "d" to
															clarify the examples give

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
During this school year one answer choice on e		often have you	ı done each of	the following	g? Select	VH459147	28. During this school yea activities? Select one a	r so far, how o	ften have you on each row.	I done each of t	he following		VH717245	R	The item stem
	Never	Once	Two or three times	Four or five	More than five times			Never	Once	Two or three times	Four or five	More than five times			per
a. Gone on class field trips to learn about geography topics	®	•	0	•	Œ	VH459148	Gone on class field trips to learn about geography topics	0	Φ	0	0	Φ	VI1717246		Translatability Review to add
b. Given class presentations on geography topics	0	•	0	0	θ	VH459149	 Given class presentations on geography topics 	0	•	0	•	Φ	VH717249		"activities" after "the following".
c. Written about your opinion on geographic problems or issues (for example, in a letter, e-mail, or blog post)	®	Φ	9	0	Φ	VH459156	c. Written about your opinion on geographic problems or issues (for example, in a letter, e-mail, or blog post)	0	Φ	0	0	Φ	VI-0717248		
d. Taken part in environmental debates or panel discussions	•	•	0	0	Θ	VH459157	d. Taken part in environmental debates or panel discussions	0	®	0	0	0	VH717247		
2017 Grade 8) 5. During this school yea	ır, how often d	lo you do eacl	h of the follow	ing when you	ı study	VH459162	Issue: Organization	ar, how often o	do you do eac		ing activities	when	V4717200	R	The item stem
geography? Select one	answer choice	e on each row						Solort one and	swer choice o	n each row.					
	Never or	Once in a	Sometimes	Often	Always or almost	П	you study geography?	Never or	Once in a	Sometimes	Often	Always or almost			has been revise per
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and				Often		V14459163	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and		200		Often		VH717201		per Translatability Review to add "activities" afte
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed	Never or hardly ever	Once in a while	Sometimes		almost always	V14459163 V14459165	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of Earth (for example, rivers or	Never or hardly ever	Once in a while	Sometimes		almost always			per Translatability Review to add "activities" afte "the following" Subitem "c" wa
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed c. Measure distances and sizes of areas on maps d. Examine what makes different regions in the	Never or hardly ever	Once in a while	Sometimes	•	almost always		Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents Examine how natural features of Earth (for	Never or hardly ever	Once in a while	Sometimes ©	•	almost always			per Translatability Review to add "activities" afte "the following" Subitem "c" wadropped based on a low
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed c. Measure distances and sizes of areas on maps d. Examine what makes different regions in the United States unique e. Examine why groups of people migrate to different parts of the	Never or hardly ever	Once in a while	Sometimes	0	almost always	VH459165 VH459168	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of Earth (for example, rivers or mountains) are formed c. Examine why groups of people migrate to different parts of the world d. Examine how humans affect the natural environment	Never or hardly ever	Once in a while	Sometimes ©	•	almost always	VH717201		per Translatability Review to add "activities" afte "the following" Subitem "c" wadropped based on a low
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed c. Measure distances and sizes of areas on maps d. Examine what makes different regions in the United States unique e. Examine why groups of people migrate to different parts of the world f. Examine how humans affect the natural	Never or hardly ever	Once in a while	Sometimes © © ©	0	almost always	VH459165 VH459168 VH459169	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of Earth (for example, rivers or mountains) are formed c. Examine why groups of people migrate to different parts of the world d. Examine how humans affect the natural environment e. Examine how humans adjust to the natural environment	Never or hardly ever	Once in a while	Sometimes © ©	0	almost always	VH717201		per Translatability Review to add "activities" afte "the following" Subitem "c" wa dropped based on a low response rate i the pilot data (i.e., less than 10%) to the
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed c. Measure distances and sizes of areas on maps d. Examine what makes different regions in the United States unique e. Examine why groups of people migrate to different parts of the world f. Examine how humans affect the natural environment g. Examine how humans adjust to the natural	Never or hardly ever	Once in a while	Sometimes © © © ©	0 0	almost always D D D	V14459168 V31459168 V31459168	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of Earth (for example, rivers or mountains) are formed c. Examine why groups of people migrate to different parts of the world d. Examine how humans affect the natural environment e. Examine how humans adjust to the natural	Never or hardly ever	Once in a while	Sometimes © ©	•	almost always	VH717201		per Translatability Review to add "activities" afte "the following" Subitem "c" wa dropped based on a low response rate i the pilot data (i.e., less than 10%) to the response optio "Often" and
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of the Earth (for example, rivers or mountains) are formed c. Measure distances and sizes of areas on maps d. Examine what makes different regions in the United States unique e. Examine why groups of people migrate to different parts of the world f. Examine how humans affect the natural environment g. Examine how humans	Never or hardly ever	Once in a while	Sometimes © © © © ©	0 0 0	almost always D D D	VELSO 165 VELSO 165 VELSO 166 VELSO 166 VELSO 166 VELSO 166 VELSO 166	a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents b. Examine how natural features of Earth (for example, rivers or mountains) are formed c. Examine why groups of people migrate to different parts of the world d. Examine how humans affect the natural environment e. Examine how humans adjust to the natural environment f. Examine why different food and energy resources are traded	Never or hardly ever	Once in a while	Sometimes © © ©	© ©	almost always	VHT17203 VHT17202 VHT17203 VHT17206 VHT17206		per Translatability Review to add "activities" afte "the following" Subitem "c" wa dropped based on a low response rate i the pilot data (i.e., less than 10%) to the response optio

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
2017 Grade 8)															(i.e., less than 10%) to the response option "Always or almost always"
In your social studies assignments? Select of	class this year one answer cho	ice on each ro	you get the fow. About half			VH457331	30. In your social studies assignments? Select 0	class this year ne answer cho	, how often do ice on each ro Less than	you get the fow. About half	ollowing More than	All or	VINSTEIL	NC	N/A
	Never or hardly ever	Less than half of the lessons	of the lessons	More than half of the lessons	All or almost all of the lessons			Never or hardly ever	half of the lessons	of the lessons	half of the lessons	almost all of the lessons			
Assignments that you have to complete together with other students	0	(D)	9	0	Θ	VH457532	Assignments that you have to complete together with other students	00	(3)	0	Ф	Ф	VH457532		
b. Short written responses (for example, a paragraph or less)	®	©	0	0	Θ	VH457533	b. Short written responses (for example, a paragraph or less)	3 0	©	0	θ	Ф	VH457523		
c. Assignments that use different forms of media (for example, photos, videos, or music)	•	•	0	0	θ	VH457534	c. Assignments that use different forms of media (for example, photos, videos, or music)	00	©	ø	Ф	Ф	¥15457334		
d. Long written responses (for example, several paragraphs)	00	(D)	0	0	Φ	VH457540	d. Long written responses (for example, several paragraphs)	0	0	0	Ф	Φ	¥154572-40		
e. Responses to questions based on information from several sources (for example, letters,	•	•	0	0	Θ	VH457542	e. Responses to guestions based on information from several sources (for example, letters,	ø	Œ	0	Ф	Ф	¥2945 <i>72</i> 42.		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
When you study social devices to do the follow homework assignment	ving? For th	is question, inc	lude both scho		tal	VH459263	31. When you study social devices to do the follow homework assignments	ring? For thi	is question, incl	ude both scho	or other digit solwork and	al	V19499263	R	Subitem "a" was revised for
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			clarity as per Fresh Eyes
Use games or apps in which you play a role (for example, an explorer, geographer, or historian)	0	•	0	θ	θ	VH459265	 a. Play games or use apps in which you play a role (for example, an explorer, geographer, or historian) 	©	(D)	0	θ	Φ	VH737929		review, from "Use games or apps" to "Play
 Organize information about geography topics by creating tables, charts, or graphs 	•	Φ	0	Θ	θ	VI(459268	 b. Organize information about geography topics by creating tables, charts, or graphs 	0	®	0	0	Θ	VH459268		games or use apps".
c. Create reports or projects about geography using different forms of media (for example, a slide presentation that combines text and video clips)	Φ	Ф	0	Θ	θ	VH459269	c. Create reports or projects about geography using different forms of media (for example, a slide presentation that combines text and video clips)	Φ	Φ	9	Θ	Φ	VH459269		
d. Participate in online discussions about geography on a website (for example, in forums or social media)	•	Φ	0	Φ	Ф	VH459270	d. Participate in online discussions about geography on a website (for example, in forums or social media)	Φ	(D)	0	Θ	Θ	V21459270		
e. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	•	®	0	Ф	Φ	V(4459271	e. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	©	Φ	0	Θ	θ	VH459271		
						.11	photographic images,								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
10. Do you think that you choice on each row.	ı would be ab	le to do each o	of the following	g? Select one	answer	VH459340	32. Do you think that you choice on each row.	u would be ab	le to do each	of the followi	ng? Select one	answer	V16459340	R	Subitems "c" and "d" were
	I definitely can't	I probably can't	Maybe	I probably can	I definitely			I definitely can't	I probably can't	Maybe	I probably can	I definitely can			dropped to
Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	8	Φ.	0	Φ	Ф	VI1459342	Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	Ø	Ф	0	Ф	0	VH459342		reduce burden.
b. Describe how natural features of the Earth (for example, rivers or mountains) are formed	8	•	0	0	Œ	VII459344	b. Describe how natural features of Earth (for example, rivers or mountains) are formed	0	Ф	0	0	Φ	VH738006		
Measure distances and sizes of areas on maps Describe what makes different regions in the	8	Φ	0	0 0	0	VH459345 VH459346	c. Explain why groups of people migrate to different parts of the world	®	(D)	0	•	Ф	VH459357		
United States unique e. Explain why groups of people migrate to different parts of the	0	Φ	0	Ф	0	VH459357	d. Explain how humans affect the natural environment	®	(D)	0	0	Ф	VH459358		
f. Explain how humans affect the natural environment	0	Ф	0	0	Φ	VH459358	e. Explain how humans adjust to the natural environment f. Explain why different	0	(D)	Φ	0	Œ	VH602980		
g. Explain how humans adjust to the natural environment	0	Φ	0	0	Ф	VH602980	food and energy resources are traded globally	0	(D)	0	0	0	VH459359		
h. Explain why different food and energy resources are traded globally	8	Φ	0	Ф	Ф	VI4459359	g. Use geographic information (for example, maps, satellite images, or population data) to	®	(D)	Ø	0	0	VH459361		
Use geographic information (for example, maps, satellite images, or population data) to answer a question or solve a problem	8	Φ	0	θ	Ф	V14459361	answer a question or solve a problem Issue: Student Fac	ctors							
2017 Grade 8)	OR SECURIO					VH365916	33. How much does each (of the followi	ng statement	s describe voi	u? Select one	answer	VH717290	R	Revisions were
14. How much does each one answer choice on	each row.						choice on each row.	Not at all	A little bit	Somewhat	Quite a bit	Exactly like			made to the item stem per
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly lik me	e	. Tourist when well-size	like me	like me	like me	like me	me			recommendation
 I want other students to think I am a good geography student. 	9	®	0	0	θ	VH566917	I want other students to think I am a good geography student.	⊗	Φ	0	Φ	Φ	VH717291		n of the
 I want to show others that my geography schoolwork is easy for me. 	0	Θ	0	0	Θ	VH566918	b. I want to show others that my geography schoolwork is easy for me.	•	Φ	0	0	Ф	VH717294		Questionnaire Standing
c. I want to look smart in comparison to the other students in my social studies or geography class.	0	Ф	0	•	Θ	VH566922	c. I want to look smart in comparison to the other students in my social studies or geography class.	Φ	©	0	0	Ф	VH717292		Committee from science cog lab findings for a
d. I want to get better geography grades than most other students in my class.	0	Θ	0	0	Θ	VH566920	d. I want to get better geography grades than most other students in my class.	Φ	Ф	0	9	Ф	VH717293		similarly worder item. Inclusion

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							2018 item							D/A/ R/NC+	Rationale
2017 Grade 8)															recommended for creating content consistency across subjects
15. How much does each one answer choice on	each row.	A little bit	Somewhat	Quite a bit	Exactly like	VH363926	34. How much does each choice on each row.	of the follow	ving statemen	ts describe yo	Quite a bit	answer Exactly like	VH717301	R	Revisions were made to the item stem per
I want to learn as much as possible about geography in my class.	like me	like me	like me	like me	Ф	VH565927	I want to learn as much as possible about geography in my class.	like me	like me	like me	like me	me ©	VH717302		recommendati n of the Questionnaire
 I want to master a lot of new geography skills in my class. 	•	(I)	0	0	Ф	VH565928	b. I want to master a lot of new geography skills in my class.	0	®	0	0	Φ	VH717303		Standing
c. I want to become a better geography student this year. d. I want to get good	0	®	0	0	Φ	VH566930	c. I want to become a better geography student this year.	0	Φ	0	Ф	0	VH717306		Committee from science cog la
grades in my geography schoolwork. e. I want to understand	®	•	0	0	Ф	VH565931	 d. I want to understand as much as I can about geography in my class. 	0	Φ	0	0	Φ	VH717306		findings for a similarly word
017 Grade 8)							Issue: Student Fa	ctors							of this item is also
,															recommended for creating content consistency
, and the second															recommended for creating content

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
7. How much does each one answer choice on	of the followi each row.	ng statement	s describe a pe	erson like you	? Select	VH459275	 How much does each choice on each row. 	of the follow	ving statemen	ts describe yo	u? Select one	answer	VH717299	R	Revisions were made to the
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like			item stem per
Geography is one of my favorite subjects to study.	0	Φ	0	Φ	Φ	VH458276	Geography is one of my favorite subjects to study.	Ø	Ф	©	Ф	Ф	VH717250		recommendat n of the
b. Schoolwork about geography is easy for me.	⊗	0	0	0	Ф	VI:459277	b. I enjoy doing schoolwork about geography.	0	(D)	©	0	Φ	VH717265		Questionnaire Standing
c. I enjoy doing schoolwork about geography.	0	©	0	Φ	0	VH459280	c. I enjoy discussing geography topics with others.	0	•	ø	Φ	Φ	VH717263		Committee fro
I enjoy discussing geography topics with others. I think that geography	0	•	0	0	0	VH459283	d. I think that geography schoolwork helps me understand what is	0	®	0	0	Φ	VH717264		science cog lal findings for a
schoolwork helps me understand what is happening in the world around me.	0	®	0	0	Φ	VH459284	happening in the world around me. e. I think that learning about geography topics								similarly word item. Inclusion
f. I think that learning about geography topics will be important for my future.	0	•	0	0	0	VH459285	will be important for my future.	0	(D)	0	Φ	0	VH717262		of this item is also
017 Grade 8)							Issue: Student Fac	ctors							recommended for creating content consistency across subject
															Subitem "b" w
															to maintain consistency
															across subject for items in th
															Interest index

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							2018 item							D/A/ R/NC+	Rationale
8. During this school year school? Select one ans	r, how often o wer choice or	do you do each n each row.	of the follow	ing outside of		VH459292	36. During this school year, of school? Select one ans	how often wer choice	do you do each on each row.	of the follow	ing activities	outside	VH717389	R	Revisions were
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			item stem per
a. Use online maps (for example, Google Maps, MapQuest, or Bing Maps)	•	Φ	0	0	Φ	/H459293	a. Use online maps (for example, Google Maps, MapQuest, or Bing Maps)	0	©	0	0	Ф	VH717390		n of the Questionnaire
 Read about geographic issues 	0	Φ	0	9	0	11459295	b. Read about geographic issues	0	Φ	0	0	Ð	VH717891		Standing
c. Give friends or family directions on how to get somewhere	0	•	0	Θ	0	/H459297	c. Travel to places outside of your town	®	Φ	0	0	Ð	VH717394		Committee fro
d. Look up geographic information in books or on the web	0	(D)	0	9	Ф	7H459298	d. Talk to friends or family about geographic topics	0	Φ	0	0	Θ	VH717392		findings for a
e. Travel to places outside of your town	0	Φ	0	0	Ф	11459299									similarly word
f. Talk to friends or family about geographic topics	0	(D)	0	9	Ф	7H459300	Issue: Student Fact	ors							item.
															VH459293. Subitem "d" w dropped to
	<u></u>				7	VH457791							VIIA	NC	reduce burden given that 31% of respondents chose "Never" and the conter overlaps with VH459295.
How often do you receiv studies outside of school Never About once or twice. About once or twice. About once or twice. Every day or almost a	or after school a year a month a week	tutor, family ol?	member, or fi	riend with soc	cial	VH457791	37. How often do you receive studies outside of school of the Never (a) About once or twice a (b) About once or twice a (c) About once or twice a (d) Every day or almost every day or al	year month week		r member, or f	riend with soo	cial	VI8457791	NC	given that 31% of respondent chose "Never" and the conte overlaps with

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item	D/A/ R/NC+	Rationale
17. Approximately how m homework? © Less than 30 minute © 30 minutes up to 1 © 1 up to 2 hours a d: © 2 up to 3 hours a d: © 3 up to 4 hours a d: © More than 4 hours	nces a day hour a day ay ay	ay do you spe	nd on your so	cial studies		V#459907	38. Approximately how many hours a day do you spend on your social studies homework? © Less than 30 minutes a day © 30 minutes up to 1 hour a day © 1 up to 2 hours a day © 2 up to 3 hours a day © 3 up to 4 hours a day © More than 4 hours a day	NC	N/A
12. When you study geograms describe a person like	raphy, how my you? Select o	ich does each ne answer cho	of the followi	ng statements w.	Č.	VH565897	N/A	D	This item was dropped and th
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like				version which
a. I want other students to think I am a good student.	Ф	Ф	© ©	Ф	Ф	VH565898			includes specif subject
 I want to show others that my schoolwork is easy for me. 	0	Φ	0	0	Ф	VH565899			reference in th
c. I want to look smart in comparison to the other students in my class.	0	Φ	©	0	Ф	VH565903			retained. This
d. I want to get better grades than most other students in my class.	0	Φ	0	Φ	Ф	VH565901			content consistency
2017 Grade 8) 13. When you study geogratescribe a person like	aphy, how mu	ch does each	of the following	ng statements		7H563W7	N/A	D	This item was
quadric a person nice	Not at all like me	A little bit like me	Somewhat like me	Quite a bit	Exactly like				version which
I want to learn as much as possible in my class.	00	@	Ø	60	Ф	V15565000i			includes specif
 I want to master a lot of new skills in my class. 	00	0	0	69	Œ	V155658/8/			reference in th subitems was
c. I want to become a better student this year.	00	•	0	0	Ф	WHOSESWIE			retained. This will also create
d. I want to get good grades in my schoolwork.	0	®	0	(8)	Ф	V14560912			content
e. I want to understand as much as I can in my	00	@	0	(0)	Œ	VESSORIO			consistency across subjects

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item	D/A/ R/NC+	Rationale
In your social studies following? Select one	class this scho answer choice Never or hardly ever	ool year, how oo on each row. Less than half of the time	About half	More than	All or almost all of the time	VH457910	N/A	D	This item has been dropped given that Self- Control items
I came to my social studies class prepared.	0	Ф	0	Ф	© ©	VH457921			are already
b. I remembered and followed directions from my social studies teacher.	0	Φ	0	0	Φ	VH457922			included in Cor
c. I started working on social studies assignments right away rather than waiting until the last minute.	•	•	0	0	Φ	VH457923			
d. I paid attention and resisted distractions during social studies class.	0	©	0	0	Φ	VH457924			
e. I stayed on task without reminders from my social studies teacher.	0	•	0	0	Θ	VH457925			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-1o: 2018 Operational Grade 8 Geography

1. In which of the following grades have you learned about geography? Select **one** answer choice on each row.

	Yes, I took a class or course mainly focused on geography.	Yes, I took a class or course that included some geography topics.	No, I did not take a class or course that taught geography topics.	I don't remember.	
a. 6th grade	A	®	0	0	VH459044
b. 7th grade	(A)	®	0	0	VH459045
c. 8th grade	(A)	®	0	0	VH459046

VH459048

2. In your social studies class this year, how much have you studied the following topics? Select **one** answer choice on each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	Use of physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes	®	®	0	0	©.	VH717072
b.	Natural resources (for example, oil, forests, or water)	(A)	®	0	0	Œ	VH459050
c.	Countries and cultures	A	®	0	0	Œ	VH459051
d.	Environmental issues (for example, pollution, recycling, climate change, or genetically modified food)	0	®	0	Φ	Œ	VH459052

3. During this school year, how often do you do each of the following activities? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Read material from a geography textbook (print or digital)	(A)	®	0	0	©.	VH717181
b.	Read extra material about geography not in the regular textbook (for example, newspapers, magazines, or online sources)	((B)	0	0	(VH717182
c.	Conduct research about geography topics (for example, online, in a library, or through interviews)	®	®	0	0	©.	VH717184
d.	Listen to or watch movies, videos, or online content about geography topics	®	®	0	0	©	VH717183

VH717245

4. During this school year so far, how often have you done each of the following activities? Select **one** answer choice on each row.

	Never	Once	Two or three times	Four or five times	More than five times	
a. Gone on class field trips to learn about geography topics	®	®	©	0	©.	VH717246
b. Given class presentations on geography topics	(A)	®	0	0	Œ	VH717249
c. Written about your opinion on geographic problems or issues (for example, in a letter, e-mail, or blog post)	®	®	0	Φ	©.	VH717248
d. Taken part in environmental debates or panel discussions	(A)	®	0	0	Œ	VH717247

5. During this school year, how often do you do each of the following activities when you study geography? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	(4)	©	0	Θ	Œ	VH717201
b.	Examine how natural features of Earth (for example, rivers or mountains) are formed	(9)	®	0	0	(i)	VH717202
c.	Examine why groups of people migrate to different parts of the world	(4)	®	0	0	Œ	VH717209
d.	Examine how humans affect the natural environment	(A)	®	0	0	Œ	VH717206
e.	Examine how humans adjust to the natural environment	(A)	(8)	0	0	Œ	VH717205
f.	Examine why different food and energy resources are traded globally	(8)	®	0	Φ	Œ	VH717207
g.	Use geographic information (for example, maps, satellite images, or population data) to answer a question or solve a problem	®	®	0	(D)	©.	VH717208

6. In your social studies class this year, how often do you get the following assignments? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a.	Assignments that you have to complete together with other students	(A)	®	0	0	©.	VH457532
b.	Short written responses (for example, a paragraph or less)	(4)	®	0	Θ	©	VH457533
c.	Assignments that use different forms of media (for example, photos, videos, or music)	(4)	®	0	Θ	©	VH457534
d.	Long written responses (for example, several paragraphs)	(4)	®	0	Θ	©	VH457540
e.	Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	(4)	®	0	Θ	Ē	VH457542

7. When you study social studies, how often do you use computers or other digital devices to do the following? For this question, include both schoolwork and homework assignments. Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Play games or use apps in which you play a role (for example, an explorer, geographer, or historian)	(®	0	0	©.	VH727929
b.	Organize information about geography topics by creating tables, charts, or graphs	(4)	®	0	Θ	©.	VH459268
c.	Create reports or projects about geography using different forms of media (for example, a slide presentation that combines text and video clips)	(4)	®	0	Θ	©.	VH459269
d.	Participate in online discussions about geography on a website (for example, in forums or social media)	(4)	®	0	Φ	©.	VH459270
e.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	0	®	0	Φ	©.	VH459271

8. Do you think that you would be able to do each of the following? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	0	©	0	0	(£)	VH459342
b.	Describe how natural features of Earth (for example, rivers or mountains) are formed	(4)	®	0	0	(VH728006
c.	Explain why groups of people migrate to different parts of the world	(4)	®	0	0	(£)	VH459357
d.	Explain how humans affect the natural environment	(A)	®	0	0	Œ	VH459358
e.	Explain how humans adjust to the natural environment	(A)	®	0	0	Œ	VH602980
f.	Explain why different food and energy resources are traded globally	(4)	®	0	0	©.	VH459359
g.	Use geographic information (for example, maps, satellite images, or population data) to answer a question or solve a problem	®	®	0	©	Œ	VH459361

VH717301

9. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other stu- to think I am a g geography stude	good	®	®	0	0	Œ	VH717291
b. I want to show of that my geograph schoolwork is earne.	hy	(9)	®	0	0	©	VH717294
c. I want to look so comparison to the other students in social studies or geography class.	ne n my	(9)	®	0	0	©	VH717292
d. I want to get bet geography grades most other stude my class.	s than	(8)	®	0	0	©.	VH717293

10. How much does each of the following statements describe you? Select **one** answer choice on each row.

Not at all A little bit Somewhat Quite a bit **Exactly like** like me like me like me like me me a. I want to learn as much as possible VH717302 **(A)** B 0 0 Œ about geography in my class. b. I want to master a lot of new geography A B 0 **(** Œ VH717303 skills in my class. c. I want to become a better geography VH717305 A $^{\odot}$ 0 0 Œ student this year. d. I want to understand as much as I can about VH717306 \bigcirc 0 (E) $^{\odot}$ **(** geography in my class.

11. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	Geography is one of my favorite subjects to study.	(A)	®	0	0	Œ	VH717260
b.	I enjoy doing schoolwork about geography.	(A)	®	0	0	Œ	VH717265
c.	I enjoy discussing geography topics with others.	(A)	®	0	0	©.	VH717263
d.	I think that geography schoolwork helps me understand what is happening in the world around me.	(®	0	Θ	©.	VH717264
e.	I think that learning about geography topics will be important for my future.	(A)	®	0	0	©	VH717262

VH717389

12. During this school year, how often do you do each of the following activities outside of school? Select one answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Use online maps (for example, Google Maps, MapQuest, or Bing Maps)	(A)	®	0	0	©.	VH717390
b. Read about geographic issues	(A)	®	0	0	Œ	VH717391
c. Travel to places outside of your town	(A)	®	0	0	Œ	VH717394
d. Talk to friends or family about geographic topics	(A)	®	0	0	Œ	VH717392

2018 Operational Grade 8 Geography Student Items

V	H_4	157	79

- **13.** How often do you receive help from a tutor, family member, or friend with social studies **outside of school or after school**?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH459937

- **14.** Approximately how many hours a day do you spend on your **social studies** homework?
 - Less than 30 minutes a day
 - ® 30 minutes up to 1 hour a day
 - © 1 up to 2 hours a day
 - ② 2 up to 3 hours a day
 - © 3 up to 4 hours a day
 - More than 4 hours a day

Appendix I-1p: Summary of Revisions Grade 8 U.S. History

revious item						2018 item						D/A/ R/NC+	Rationale
In which of the following one answer choice on each of the following one and the f	ng grades have you ach row.	learned about U	nited States histor	ry? Select	VH459698	25. In which of the follow one answer choice on		ou learned about U	nited States histor	y? Select	R	Subitem "a" was dropped given	
	Yes, I took a class or course mainly focused on United States history.	that included some United States history topics.	No, I did not take a class or course that taught United States history topics.	I don't remember.			Yes, I took class or cou mainly focused or United Stat history.	rse class or cours that included some United	No, I did not take a class or course that taught United States history topics.	I don't remember.			the high frequency percentage for the response "I
i. 5th grade	0	•	0	0	VH459699	a. 6th grade	0	0	0	Φ	VH459700		·
6th grade	0	•	0	Φ	VH459700	b. 7th grade	0	Φ-	0	Ф	VH459701		don't know".
th grade.	0	(D)	0	Φ	VH459701 VH459782	c. 8th grade	0	0	0	0	VH459702	1	
periods of United State		y little Son		A lot		periods of United Stat		one answer choic		A lot			
2017 Grade 8) 2. In your social studies of periods of United State	class this year, how s history? Select o	much have you ne answer choice	studied the follow on each row.	ring	VH459719	26. In your social studies periods of United State				ing	VI499719	NC	N/A
a. The period before 1815 (for example, age of	13773733					a. The period before 1815 (for example, age of		.,	- Quite ii iii				
exploration, colonization, settlement, or	®	• c	0	Ф	VH459720	exploration, colonization, settlement, or American Revolution)	0	(D) (C)	0	0	VH459720		
American Revolution)						American Revolution)					2014		
American Revolution) b. 1815 to 1865 (for example, expansion, reform, sectionalism, or the Civil War)	•	Φ ©	0	Ф	VH459721	b. 1815 to 1865 (for example, expansion, reform, sectionalism, or the Civil War)	®	(D) (C)	•	Φ	VH459721		
American Revolution) b. 1815 to 1865 (for example, expansion, reform, sectionalism,	© ©	• c		Ф	VH459721 V31459722	b. 1815 to 1865 (for example, expansion, reform, sectionalism,	Φ	Φ ¢	•	0	VH459721 VH459722		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
During this school year choice on each row.	r, how often	do you do each	of the followin	ng? Select one	answer	VH459754	27. During this school year, how often do you do each of the following activities? Select one answer choice on each row.							R	The item stem
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day of almost every day	r		per Translatability
a. Read material from a United States history textbook	0	(D)	0	•	Φ	VH459756	Read material from a United States history textbook (print or	•	Φ	0	0	Ф	VH718287		Review to add "activities" afte
b. Read extra material about United States history not in the regular textbook (for example, newspapers, magazines, or online sources)	0	©	0	0	©	VH459757	digital) b. Read extra material about United States history not in the regular textbook (for example, newspapers, magazines, or online sources)	•	Φ	0	•	Ф	VH718238		"the following" Revisions were made to subite
c. Use primary sources (for example, letters, diaries, photographs, films, or essays written by people from the past)	0	00	0	0	θ	VH459758	c. Use primary sources (for example, letters, diaries, photographs, films, or essays written by people from	•	Φ	0	•	Ф	VH718242		"a" to include print or digital books, and to
d. Discuss material about United States history with peers or teachers e. Conduct research about United States history topics (for example, in a library or through interviews	© ©	D	0	0	θ	VH459760 VH459762	the past) d. Conduct research about United States history topics (for example, online, in a library, or through interviews)	0	Φ	0	Ф	Φ	VH718241		maintain consistency wit changes made other survey
or observations) f. Listen to or watch movies, videos, or online content about United States history	•	D	0	0	Ф	VH459763	e. Listen to or watch movies, videos, or online content about United States history topics	Φ	Φ	0	Φ	Θ	VH718239		questionnaires
2017 Grade 8)							Issue: Organizatio	n of Ins	truction						Subitem "d" wadropped to reduce burden and given that specific information unique to a particular task cactivity is not being captured.
															Revisions were made to subitem "e" to clarify the examples giver

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item			revious item						2018 item						Rationale
4. During this school year so far, how often have you done each of the following? Select one answer choice on each row.						VH459792	28. During this school year so far, how often have you done each of the following activities? Select one answer choice on each row.						R	The item stem has been revise	
	Never	Once	Two or three times	Four or five times	More than five times			Never	Once	Two or three times	Four or five times	More than five times			per Translatability
Gone on class field trips to learn about United States history topics	•	Θ	0	θ	Φ	VH459793	a. Gone on class field trips to learn about United States history topics	0	Φ	0	0	Θ	VH718302		Translatability Review to add "activities" afte
b. Given class presentations on United States history topics	0	•	0	0	Θ	VH459794	b. Given class presentations on United States history	0	•	0	0	Θ	VH718303		"the following
c. Written about your opinion on historical issues (for example, in a letter, e-mail, or blog post)	0	•	0	9	Θ	VH459797	c. Written about your opinion on historical issues (for example, in a letter, e-mail, or blog	0	Φ	0	0	Ð	VH718306		
d. Taken part in historical debates or panel discussions	0	0	0	0	Θ	VH459799	post) d. Taken part in historical debates or	0	(B)	0	0	Φ	VH718305		
e. Taken part in role-playing, mock trials, or dramas about United States history topics	Φ	•	0	Ф	Φ	VH459800	panel discussions e. Taken part in role-playing, mock trials, or dramas about United States history topics	0	0	0	0	Φ	VH718364		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
5. During this school yea United States history?				ng when you	ı study	VH459902	29. During this school year you study United State	r, how often o es history? Se	do you do eacl lect one answ	h of the followi rer choice on ea	ng activities ch row.	when	VH718591	R	The item stem has been revised
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			per Translatability
Examine the causes and effects of important events in United States history	0	Φ	0	0	Φ	VH459803	a. Examine the causes and effects of important events in United States history	•	©	0	0	Ф	VH718592		Review to add "activities" after
b. Examine how time periods in United States history are similar or different	0	•	©	•	Φ	VH459806	b. Examine how time periods in United States history are similar or different	0	(D)	0	0	•	VH718593		"the following".
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	•	•	0	•	Φ	VH459808	c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is	Φ	Ф	©	•	Φ	VH718594		
d. Analyze the relationship between two historical events	8	Θ	0	0	Φ	V)1459866	d. Analyze the relationship between	0	D	0	0	Φ	VH718598		
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	8	•	0	•	Φ	VH459868	e. Compare and evaluate different points of view about the past (for example, different	•	o	0	0	Φ	VH718596		
f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	0	•	9	Φ.	Φ	¥11459870	ideas about what caused the Civil War) f. Come up with research questions about why or how something happened in the past (for example, what were	Φ	©	0	•	Φ	VH718597		
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	0	•	Θ	•	Ф	VH45987!	the causes of the Great Depression) g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	•	(©	Φ	Φ	VH718595		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
In your social studies assignments? Select or	class this yea one answer cho	r, how often d pice on each r	o you get the fo	ollowing		VH457531	30. In your social studies assignments? Select of	class this year ne answer cho	r, how often do lice on each ro	o you get the f	ollowing		VB457531	NC	N/A
	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons			Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons			
Assignments that you have to complete together with other students	®	•	9	0	Φ	VH457532	Assignments that you have to complete together with other students	0	Φ	0	0	Θ	VH457532		
b. Short written responses (for example, a paragraph or less)	Φ	Ф	0	0	Ф	VH457533	b. Short written responses (for example, a paragraph or less)	0	®	0	Φ-	Œ	VH457533		
c. Assignments that use different forms of media (for example, photos, videos, or music)	Φ	•	0	Φ	Φ	VH457534	c. Assignments that use different forms of media (for example, photos, videos, or	0	Φ	0	0	Œ	VH457534		
d. Long written responses (for example, several paragraphs)	(Φ	0	Θ	Φ	VH457540	music) d. Long written responses (for example, several	0	®	0	0	Ф	VE6457540		
e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	©	(I)	0	•	Ф	VH457542	paragraphs) e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Θ	Φ	Ö	•	Φ	VH457542		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
When you study social devices to do the follo- homework assignment	wing? For th	is question, inc	lude both scho	s or other digi oolwork and	ital	VH459889	31. When you study social devices to do the follow homework assignments	ing? For thi	s question, incl	lude both sch	or other digi oolwork and	tal	Visk99889	R	Subitem "a" was revised for
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			clarity as per Fresh Eyes
Use games or apps in which you play a role (for example, an explorer, geographer, or historian)	0	Φ	0	θ	Ф	VI1459890	Play games or use apps in which you play a role (for example, an explorer, geographer, or historian)	0	(D)	0	Ф	Θ	VH727925		review, from "Use games or apps" to "Play
 Organize information about United States history topics by creating tables, charts, or graphs 	۵	Φ.	0	(0)	Ф	VH459892	 b. Organize information about United States history topics by creating tables, charts, or graphs 	0	(D)	0	Φ	Œ	VH459892		games or use apps".
c. Create reports or projects about United States history using different forms of media (for example, a slide presentation that combines text and video clips)	Ø	®	0		Ф	VH459893	c. Create reports or projects about United States history using different forms of media (for example, a slide presentation that combines text and video clips)	•	•	0	Φ	Ф	VH459893		
d. Participate in online discussions about United States history on a website (for example, in forums or social media) e. Use the Internet to	0	®	0	•	Ф	VH459894	d. Participate in online discussions about United States history on a website (for example, in forums or social media)	Φ	Φ	0	Ф	6	VH459894		
look for evidence or look for evidence or sources (for example, text documents, photographic images, or films)	•	Φ	0	Φ	Φ	VH459895	e. Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	0	Φ	0	Φ	Θ	VH45989S		
2017 Grade 8)							Issue: Organization	n of Ins	truction						

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
12. How much does each one answer choice on	of the follow each row.	ing statement	s describe a pe	erson like you	? Select	VH460064	32. How much does each choice on each row.	of the follow	ving statemen	ts describe yo	u? Select one	answer	VH719828	R	Revisions were made to the
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			item stem per
I form opinions about historical events only after I have information from more than one source.	0	(D)	0	0	Ф	VI14460068	I form opinions about historical events only after I have information from more than one source.	0	(D	0	0	Ф	VI-(719829		recommendati n of the Questionnaire
b. I need to know the history leading up to an event to truly understand it.	0	Φ	0	Φ	Ф	VI(460069	b. I need to know the history leading up to an event to truly understand it.	0	®	0	0	Ф	VH71983D		Standing Committee fro
I want to know what lies behind the story when I study a conflict in history.	Φ	•	0	0	Φ	VH460071	c. I want to know what lies behind the story when I study a conflict in history.	Φ	Ф	0	Ф	Φ	VH719834		science cog lab
d. I try to understand others better by imagining how things look from their perspective.	Φ	(I)	0	0	Ф	VH460074	d. I try to understand others better by imagining how things look from their perspective.	۵	Ф	0	Φ	®	VH719832		similarly words item.
e. I try to look at everybody's side of a disagreement before I make a decision.	Φ	(D)	0	Ф	Ф	VH460075	e. I try to look at everybody's side of a disagreement before I make a decision.	0	Ф	0	0	Φ	VH719883		
f. I believe that there is more than one side to every question, and I try to look at all of them.	•	(D)	0	0	Ф	VH460076	f. I think that there is more than one side to every question, and I try to look at all of them.	Φ	Ф	0	0	Φ	VH719831		

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Previous item							2018 item							D/A/ R/NC+	Rationale
11. Do you think that you choice on each row.	u would be ab	le to do each o	of the followi	ng? Select one	answer	VB460009	33. Do you think that you choice on each row.	would be ab	le to do each o	f the following	ng? Select one	answer	VI1460009	NC	N/A
	I definitely can't	I probably can't	Maybe	I probably can	1 definitely can			I definitely can't	I probably can't	Maybe	I probably can	I definitely can			
Explain the causes and effects of important events in United States history	•	Φ	0	•	Φ	V9346001.1	Explain the causes and effects of important events in United States history	0	Φ	0	Ф	0	VH460011		
b. Explain how time periods in United States history are similar or different	0	Ф	0	0	Φ	VH460016	b. Explain how time periods in United States history are similar or different	0	Φ	0	0	Θ	VH460016		
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	0	θ	0	Φ	θ	V33460017	c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	Φ	Ф	0	0	Θ	VH460017		
d. Understand the relationship between two historical events	®	Ф	0	0	Φ	VF1460041	d. Understand the relationship between two historical events	•	•	0	Ф	0	VH460041		
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	⊗	Φ	0	Ф	Φ	VH460042	e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	0	Φ	0	0	Θ	VH460042		
f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	٥	Φ	0	Ф	Φ	VH460043	f. Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	0	Ф	0	Φ	Φ	VH460043		
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	0	Φ	0	Φ	Φ	VH460044	g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	•	Φ	0	0	Θ	VI-1460044		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
15. How much does each one answer choice on		ing statement	s describe a pe	erson like you	? Select	VH366238	34. How much does each choice on each row.	of the follow	ring statemen	ts describe you	1? Select one	answer	VH719843	R	Revisions were made to the
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			item stem per
I want other students to think I am a good United States history student.	0	Ф	0	Ф	Ф	VH566259	a. I want other students to think I am a good United States history student.	0	0	0	Ф	Ф	VH719844		n of the Questionnaire
 I want to show others that my United States history schoolwork is easy for me. 	0	•	0	0	Φ	VH566260	b. I want to show others that my United States history schoolwork is easy for me.	•	®	0	•	Φ	VH719847		Standing Committee fro
c. I want to look smart in comparison to the other students in my social studies or United States history class.	∞	•	0	0	Ф	VH566264	c. I want to look smart in comparison to the other students in my social studies or United States history	©	®	0	Θ	Ф	VH719845		science cog lab findings for a similarly worde
d. I want to get better United States history grades than most other students in my class.	©	Φ	0	0	Ф	VH566262	class. d. I want to get better United States history grades than most other students in my class.	0	•	©	•	Φ	VH719846		item. Inclusion of this item is also
017 Grade 8)							Issue: Student Fa	ctors							for creating content consistency
	each row.	A little bit	Somewhat	Quite a bit	Exactly like	VB566274	35. How much does each choice on each row.	h of the follo	A little bit	Somewhat	Quite a bit	Exactly like	VII720606	R	content consistency across subjects
a. I want to learn as much as possible about United States	each row.						How much does each choice on each row. I want to learn as much as possible about United States	h of the follo					VH720606	R	for creating content consistency across subjects Revisions were made to the item stem per recommendation of the
a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States history skills in my	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me		a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States history skills in my	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me		R	for creating content consistency across subjects Revisions were made to the item stem per recommendati n of the Questionnaire Standing
a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States history skills in my class.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH566275	a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH720608	R	for creating content consistency across subjects Revisions were made to the item stem per recommendati n of the Questionnaire
16. How much does each one answer choice on 1. I want to learn as much as possible about United States history in my class. 2. I want to master a lot of new United States history skills in my class. 2. I want to become a better United States	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH566275 VH566276	a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States history skills in my class. c. I want to become a better United States history student this	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH720608 VH720609	R	for creating content consistency across subjects Revisions were made to the item stem per recommendati n of the Questionnaire Standing Committee fro science cog lab findings for a similarly worde item. Inclusion
I want to learn as much as possible about United States history in my class. I want to master a lot of new United States history skills in my class. I want to become a better United States history student this year. I want to get good grades in my United States history student this year.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH566275 VH566276	a. I want to learn as much as possible about United States history in my class. b. I want to master a lot of new United States history skills in my class. c. I want to become a better United States history student this year. d. I want to understand as much as I can about United States history student this year.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	VH720608 VH720609 VH720611	R	for creating content consistency across subjects Revisions were made to the item stem per recommendati n of the Questionnaire Standing Committee fro science cog lab findings for a similarly words

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						G	ade 8 US Histo	ory Stu	ıdent					_	
Previous item							2018 item							D/A/ R/NC+	Rationale
															Subitem "d" wa dropped in orde to keep 4 items each from the mastery and performance facets of the achievement goals items.
How much does each one answer choice on		ng statement	s describe a pe	erson like you	? Select	VH459896	 How much does each choice on each row. 						VII718413	R	Revisions were made to the
	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me			item stem per
United States history is one of my favorite subjects to study.	⊗	©	0	0	Ð	VI1459897	United States history is one of my favorite subjects to study.	0	(D)	0	0	Ф	VH718414		recommendation of the
b. Schoolwork about United States history is easy for me.	®	Φ	0	Φ	0	VH459898	 I enjoy doing schoolwork about United States history. 	8	Φ	0	0	θ	VH718419		Questionnaire Standing
c. I enjoy doing schoolwork about United States history.	0	Φ	0	Φ	Ф	VI(459901	 I enjoy discussing United States history topics with others. 	0	Φ	0	Φ	Φ	VH718417		Committee from science cog lab
d. I enjoy discussing United States history topics with others.	0	Φ.	0	0	Ð	VH459905	d. I think that United States history schoolwork helps me understand what is	Φ.	Φ	0	Φ	Φ	VH718418		findings for a
e. I think that United States history schoolwork helps me understand what is happening in the world around me.	®	(D)	0	Φ	Φ	VH459906	happening in the world around me. e. I think that learning about United States history topics will be	Φ	Φ	0	0	0	VH718416		similarly worde item. Inclusion of this item is
f. I think that learning about United States history topics will be important for my	Ø	Φ	0	Φ.	Φ	VH459907	important for my future.	Φ.	Ф	9	۵	Φ.	VII/IB416		also recommended for creating
(2017 Grade 8)							Issue: Student Fac	ctors							content consistency across subjects. Subitem "b" wa dropped in orde to maintain consistency across subjects for items in the Interest index.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
10. During this school year school? Select one answ	, how often ver choice o	do you do each n each row.	of the follow	ing outside of		VH459946	37. During this school year of school? Select one ar			of the follow	ring activities	outside	VIITISAH	R	The item stem has been revised
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			per Translatability
a. Read books about history	®	Ф	0	•	Ф	VH459947	a. Read books about history	0	Ф	0	0	©	VH718432		Review to add
 Watch movies, videos, or TV programs about history 	0	•	0	0	0	VH459949	 Watch movies, videos, or TV programs about history 	0	Φ	0	•	0	VH718433		"activities" after "the following".
c. Play video games about history	0	Φ	0	0	Ф	VH459950	c. Play video games about history	0	Ф	0	Φ	Φ	VH718434		
d. Go to history museums or historical sites	0	Θ	0	9	θ	VH459952	d. Go to history museums or historical sites	0	(D)	0	Φ	Ф	VH718438		Subitem "f" was dropped due to
e. Do online research related to historical topics	0	Ф	0	Θ	Ф	VH459953	e. Do online research related to historical topics	0	Φ	0	0	0	VH718436		redundancy wit
f. Visit websites about historical topics	®	Φ	0	0	Ф	VH459954	f. Talk to friends or family about historical	0	Ф	0	Φ	Ф	VH718435		VH459953.
g. Talk to friends or family about historical topics	®	(ID)	0	Φ	Ф	VH459955	topics								
(2017 Grade 8)							Issue: Student Fac	tors							
17. How often do you receiv studies outside of school Never About once or twice About once or twice About once or twice Every day or almost	a year a month a week		y member, or	friend with so	cial	VH457791	38. How often do you receiv studies outside of school Never About once or twice About once or twice About once or twice Every day or almost	or after sch a year a month a week every day	1001?			ocial	V18457791	NC	N/A
(2027 0.440 0)				9		VH459937	Issue: Resources f	Ji Leai	illig allu	mstruct	1011		VB499937	NC	N/A
7. Approximately how man homework?	y hours a da	y do you spen	d on your soci	al studies			38. Approximately how man homework?	y hours a da	y do you spen	d on your soc	ial studies			INC	IN/A
Less than 30 minutes	a day						Less than 30 minutes	a day							
© 30 minutes up to 1 ho	our a day						30 minutes up to 1 ho	our a day							
© 1 up to 2 hours a day							© 1 up to 2 hours a day								
© 2 up to 3 hours a day							© 2 up to 3 hours a day								
① 3 up to 4 hours a day							© 3 up to 4 hours a day								
More than 4 hours a continuous and the continuo	lay						More than 4 hours a control of the control of	lay							
(2017 Grade 8)							Issue: Student Fac	.							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item	D/A/ R/NC-	Rationale
a. I want other students to think I am a good student. b. I want to show others that my schoolwork is easy for me.	d States histo eerson like yo Not at all like me	ory, how much not Select one A little bit like me	o does each of answer choice Somewhat like me	the following e on each row. Quite a bit like me		VH566228 VH566228	N/A	D	This item was dropped and the version which includes specific subject reference in the subitems was
I want to look smart in comparison to the other students in my class.	0	Φ	0	0	Φ	VI1566233			retained. This will also create
d. I want to get better						- T			content
grades than most other students in my class.	Ø	•	0	Φ	Ф	VH566231			consistency across subjects
grades than most other students in my class.	ed States histo person like yo Not at all	ory, how muc ou? Select one	h does each of	the following	Exactly like	VH566241	N/A	D	consistency across subjects. This item was dropped and the version which
grades than most other students in my class. 2017 Grade 8) 14. When you study Unite statements describe a part of the statements describe a graduate and the statements describe a processible in	ed States histo person like ye	ory, how muc ou? Select one	h does each of	the following	3	VH566241	N/A	D	This item was dropped and the version which includes specifi
grades than most other students in my class. 2017 Grade 8) 14. When you study Unite statements describe a paragraph of the statements describe a paragraph.	ed States histo person like yo Not at all like me	ory, how muc ou? Select one A little bit like me	h does each of answer choic Somewhat like me	the following to on each row Quite a bit like me	Exactly like	VH566241	N/A	D	This item was dropped and the version which includes specific subject reference in the
grades than most other students in my class. 2017 Grade 8) 14. When you study Unite statements describe a part of the statements describe a much as possible in my class. b. I want to master a lot of new skills in my	ed States histo person like yo Not at all like me	ory, how much ou? Select one A little bit like me	h does each of answer choic Somewhat like me	the following to on each row Quite a bit like me	Exactly like me	V11566241	N/A	D	This item was dropped and the version which includes specifications was retained. This
grades than most other students in my class. 2017 Grade 8) 14. When you study Unite statements describe a grade in my class. a. I want to learn as much as possible in my class. b. I want to master a lot of new skills in my class. c. I want to become a better student this	ed States histoperson like ye Not at all like me	ory, how much ou? Select one A little bit like me	h does each of answer choice Somewhat like me	the following to on each row Quite a bit like me	Exactly like me	VH566341 VH566342 VH566343	N/A	D	This item was dropped and the version which includes specific subject reference in the subitems was

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item	D/A/ R/NC+	Rationale
18. In your social studies following? Select one	class this scho answer choice Never or hardly ever	Less than half of the time	About half of the time	More than	All or almost all of the time	VH457919	N/A	D	This item has been dropped given that Self- Control items
I came to my social studies class prepared.	0	(D)	0	0	0	VI6457921			are already
b. I remembered and followed directions from my social studies teacher.	0	(D)	0	0	Φ	VH457922			included in Co
c. I started working on social studies assignments right away rather than waiting until the last minute.	0	®	0	0	Ф	VI6457923			
d. I paid attention and resisted distractions during social studies class.	0	®	0	0	Ф	VH457924			
e. I stayed on task without reminders from my social studies teacher.	0	®	0	9	Φ	VH457925			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-1q: 2018 Operational Grade 8 U.S. History

1. In which of the following grades have you learned about United States history? Select **one** answer choice on each row.

	Yes, I took a class or course mainly focused on United States history.	Yes, I took a class or course that included some United States history topics.	No, I did not take a class or course that taught United States history topics.	I don't remember.	
a. 6th grade	A	®	0	0	VH459700
b. 7th grade	A	®	0	0	VH459701
c. 8th grade	(A)	®	0	0	VH459702

VH459719

2. In your social studies class this year, how much have you studied the following periods of United States history? Select **one** answer choice on each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	The period before 1815 (for example, age of exploration, colonization, settlement, or American Revolution)	(4)	(B)	0	Θ	(£)	VH459720
b.	1815 to 1865 (for example, expansion, reform, sectionalism, or the Civil War)	(A)	®	0	0	(L)	VH459721
c.	1865 to 1945 (for example, Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	(4)	(9)	0	()	(VH459722
d.	1945 to the present (for example, the Cold War, Civil Rights movement, women's rights movement, Vietnam War, or environmental movement)	®	®	©	Φ	©	VH459723

3. During this school year, how often do you do each of the following activities? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Read material from a United States history textbook (print or digital)	®	®	0	0	©.	VH718237
b.	Read extra material about United States history not in the regular textbook (for example, newspapers, magazines, or online sources)	(4)	®	0	•	©.	VH718238
c.	Use primary sources (for example, letters, diaries, photographs, films, or essays written by people from the past)	(4)	®	0	•	Œ	VH718242
d.	Conduct research about United States history topics (for example, online, in a library, or through interviews)	(4)	®	0	Θ	(VH718241
e.	Listen to or watch movies, videos, or online content about United States history topics	®	®	0	Φ	©.	VH718239

4. During this school year so far, how often have you done each of the following activities? Select **one** answer choice on each row.

		Never	Once	Two or three times	Four or five times	More than five times	
a.	Gone on class field trips to learn about United States history topics	(A)	(8)	0	0	©.	VH718302
b.	Given class presentations on United States history topics	®	®	0	Φ	Θ	VH718303
c.	Written about your opinion on historical issues (for example, in a letter, e-mail, or blog post)	®	®	0	0	(£)	VH718306
d.	Taken part in historical debates or panel discussions	(A)	®	0	0	Œ	VH718305
e.	Taken part in role-playing, mock trials, or dramas about United States history topics	®	®	0	Φ	Œ	VH718304

5. During this school year, how often do you do each of the following activities when you study United States history? Select **one** answer choice on each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Examine the causes and effects of important events in United States history	(8)	®	0	Φ	Œ	VH718592
b.	Examine how time periods in United States history are similar or different	®	®	©	0	©.	VH718593
c.	Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	(9)	®	©	©	Œ	VH718594
d.	Analyze the relationship between two historical events	(A)	®	0	0	Œ	VH718598
e.	Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	(4)	®	0	Φ	©	VH718596
f.	Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	(4)	®	0	Φ	Œ	VH718597
g.	Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	0	®	©	Φ	Œ	VH718595

6. In your social studies class this year, how often do you get the following assignments? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a.	Assignments that you have to complete together with other students	(4)	®	0	0	©.	VH457532
b.	Short written responses (for example, a paragraph or less)	(4)	®	0	Θ	©.	VH457533
c.	Assignments that use different forms of media (for example, photos, videos, or music)	(4)	®	0	Θ	©	VH457534
d.	Long written responses (for example, several paragraphs)	(4)	®	0	Θ	©	VH457540
e.	Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	®	®	0	•	Ē	VH457542

7. When you study social studies, how often do you use computers or other digital devices to do the following? For this question, include both schoolwork and homework assignments. Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Play games or use apps in which you play a role (for example, an explorer, geographer, or historian)	®	®	0	•	©.	VH727925
b.	Organize information about United States history topics by creating tables, charts, or graphs	(4)	®	0	0	©	VH459892
c.	Create reports or projects about United States history using different forms of media (for example, a slide presentation that combines text and video clips)	(9)	®	0	Θ	©	VH459893
d.	Participate in online discussions about United States history on a website (for example, in forums or social media)	(4)	®	0	•	Œ	VH459894
e.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, or films)	0	®	0	Φ	Œ.	VH459895

8. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I form opinions about historical events only after I have information from more than one source.	0	®	0	0	©.	VH719829
b.	I need to know the history leading up to an event to truly understand it.	(4)	®	0	0	©.	VH719830
c.	I want to know what lies behind the story when I study a conflict in history.	(4)	®	0	Θ	©	VH719834
d.	I try to understand others better by imagining how things look from their perspective.	(4)	®	0	0	©	VH719832
e.	I try to look at everybody's side of a disagreement before I make a decision.	(9)	®	0	0	(£)	VH719833
f.	I think that there is more than one side to every question, and I try to look at all of them.	0	®	0	Θ	(VH719831

9. Do you think that you would be able to do each of the following? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Explain the causes and effects of important events in United States history	®	®	0	0	©	VH460011
b.	Explain how time periods in United States history are similar or different	®	®	0	0	Œ	VH460016
c.	Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	®	®	©	Φ	©	VH460017
d.	Understand the relationship between two historical events	(A)	®	0	0	Œ	VH460041
e.	Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	(4)	®	0	0	©	VH460042
f.	Come up with research questions about why or how something happened in the past (for example, what were the causes of the Great Depression)	(4)	(9)	0	Θ	(E)	VH460043
g.	Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	((B)	0	©	Œ	VH460044

VH720606

10. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am a good United States history student.	®	®	0	0	©.	VH719844
b. I want to show others that my United States history schoolwork is easy for me.	(A)	®	0	0	©.	VH719847
c. I want to look smart in comparison to the other students in my social studies or United States history class.	®	®	0	Θ	©.	VH719845
d. I want to get better United States history grades than most other students in my class.	®	®	©	0	©.	VH719846

11. How much does each of the following statements describe you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want to learn as much as possible about United States history in my class.	®	®	0	0	©.	VH720608
b.	I want to master a lot of new United States history skills in my class.	(9)	®	0	0	©	VH720609
c.	I want to become a better United States history student this year.	(9)	®	0	0	Œ	VH720611
d.	I want to understand as much as I can about United States history in my class.	(4)	®	0	0	Œ	VH720612

12. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. United States history is one of my favorite subjects to study.	(A)	(8)	©	0	Œ	VH718414
b. I enjoy doing schoolwork about United States history.	(A)	®	©	0	Œ	VH718419
c. I enjoy discussing United States history topics with others.	(A)	®	0	0	Œ	VH718417
d. I think that United States history schoolwork helps me understand what is happening in the world around me.	(A)	®	0	0	©.	VH718418
e. I think that learning about United States history topics will be important for my future.	A	(B)	0	(©.	VH718416

13. During this school year, how often do you do each of the following activities **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Read books about history	A	®	0	0	Œ	VH718432
b.	Watch movies, videos, or TV programs about history	(A)	®	0	0	Œ	VH718433
c.	Play video games about history	A	®	0	0	Œ	VH718434
d.	Go to history museums or historical sites	®	®	0	0	©	VH718438
e.	Do online research related to historical topics	(A)	®	0	0	©	VH718436
f.	Talk to friends or family about historical topics	(A)	®	0	0	©	VH718435

VH457791

- 14. How often do you receive help from a tutor, family member, or friend with social studies **outside of school or after school**?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

2018 Operational Grade 8 U.S. History Student Items

VH459937

- **15.** Approximately how many hours a day do you spend on your **social studies** homework?
 - Less than 30 minutes a day
 - ® 30 minutes up to 1 hour a day
 - © 1 up to 2 hours a day
 - ② 2 up to 3 hours a day
 - ② 3 up to 4 hours a day
 - More than 4 hours a day

Appendix I-1r: 2018 Operational Grade 8 TEL

The following questions are about your views and experiences related to technology and engineering.

Technology refers to all the things people make and do to their natural environment in order to get the things they want and need.

Engineering refers to using skills or knowledge to solve problems that meet people's wants and needs.

Some questions ask for facts while other questions ask for your opinions. Read each question carefully, and pick the answer you think is best.

17	г.	c	2	O	0	4	^

- **1.** Have you ever taken or are you currently taking any of the following classes or subjects in school? Select **one or more** squares.
 - Industrial technology (for example, auto mechanics, carpentry)
 - Engineering (for example, robotics, bridge building, rocketry)
 - © Any class that involves learning to use, program, or build computers
 - Any other technology-related class (for example, electronics, sewing, farming)
 - © I have not taken any of the classes listed above.

VE639847

- **2.** Have you ever studied technology or engineering topics in any of the following classes or subjects in school? Select **one or more** squares.
 - Mathematics
 - Science
 - © Social studies or history
 - © I have not studied technology or engineering in any of the classes or subjects listed above.

VE681624

3. In school, how often do you learn about or discuss the following? Select one circle in each row.

	Never	Rarely	Sometimes	Often	
a. How to judge reliability of sources (for example, how a website might be biased or inaccurate)	0	®	0	0	VE681629
b. How to credit others for their ideas (for example, citing sources, using endnotes and footnotes in reports)	0	(8)	0	(VE681632

VE639123

4. For school work, how often do you use a computer or other digital technology for the following activities? Select **one** circle in each row.

	Never or almost never	A few times a year	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Create, edit, or organize digital media	A	B	0	0	Œ	VE639130
b. Create a presentation	A	®	0	0	Œ	VE639137
c. Create a spreadsheet (a table or grid that displays data into columns and rows and may be used to create charts and graphs)	(4)	®	0	Θ	©	VE639136

VF025108

5. In this question, please think about activities you do that are not related to your school work. How often do you use a computer or other digital technology for the following activities **not for school work**? Select **one** circle in each row.

	Never or almost never	A few times a year	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Create, edit, or organize digital media	(A)	B	0	0	Œ	VF025112
b. Create a presentation	A	®	0	0	Œ	VF025117
c. Create a spreadsheet (a table or grid that displays data into columns and rows and may be used to create charts and graphs)	(A)	®	0	Θ	©	VF025116

VE682225

6. In school, how often have you learned about or discussed the following? Select **one** circle in each row.

	Never	Rarely	Sometimes	Often	
a. Designing or creating something to solve a problem	0	®	0	0	VE682228
b. Designing something when there is limited time, money, or materials	(A)	₿	0	0	VE682229

VE638956

7. In school, how often have you ever done the following activities? Select one circle in each row.

		Never	Once or twice	Three to five times	More than five times	
a.	Used different tools, materials, or machines to see which are best for a given purpose	0	®	0	Φ	VE638959
b.	Built or tested a model to see if it solves a problem	(A)	®	0	0	VE638963
c.	Figured out why something is not working in order to fix it	0	®	0	0	VE682247
d.	Taken something apart in order to fix it or see how it works	(A)	(B)	0	0	VE638965

VE638983

8. Outside of school, how often have you ever done the following activities? Select **one** circle in each row.

		Never	Once or twice	Three to five times	More than five times	
	Used tools or materials to plan or design something (for example, cake recipe, party)	(9)	©	0	Φ	VF009777
	Used different tools, materials, or machines to see which are best for a given purpose	(4)	(9)	0	Φ	VE638998
c.	Built or tested a model to see if it solves a problem	A	B	0	0	VE639038
	Figured out why something is not working in order to fix it	®	®	0	0	VE682267
e.	Taken something apart in order to fix it or see how it works	(A)	(8)	0	0	VE639042

5

VH008232

9. Do you think that you would be able to do each of the following? Select **one** circle in each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Create presentations with sound, pictures, or video	®	®	0	0	Œ	VH008238
b.	Organize information into a chart, graph, or spreadsheet	(A)	®	0	0	Œ	VH008240
c.	Compare products using the Internet	(A)	®	0	0	Œ	VH008241
d.	Use tools or materials to fix something	(A)	®	0	0	Œ	VH008243
e.	Take something apart in order to fix it or see how it works	(A)	®	0	0	Œ	VH008244
f.	Describe how inventions change society	(A)	®	0	0	Œ	VH008245
g.	Compare how different activities affect the environment	(A)	®	0	0	Œ	VH008247
h.	Explain why people have different tools, machines, or devices in different parts of the world	®	®	0	0	Œ	VH008248

6

VE638999

10. In school, how often have you learned about or discussed the following? Select **one** circle in each row.

	Never	Rarely	Sometimes	Often	
a. Inventions that change the way people live	(A)	®	0	0	VE639002
b. Choices people make that affect the environment	(A)	®	0	0	VE639004
c. Conditions that influence the use or availability of machines or devices	(8)	®	0	0	VE639005
d. The ways people work together to solve problems in their community or the world	0	©	0	0	VE682300

VE639008

11. Outside of school, how often have you learned about or discussed the following? Select **one** circle in each row.

		Never	Rarely	Sometimes	Often	
	Inventions that change the way people live	A	B	0	0	VE639012
b. (Choices people make that affect the environment	(A)	B	0	0	VE639013
t	Conditions that influence the use or availability of machines or devices	(A)	®	0	0	VE639014
l t	The ways people work together to solve problems in their community or the world	0	•	0	0	VE682314

7

			VE682274
12.		to taught you most of what you know about building things, fixing things, or w things work?	
	(A)	I taught myself.	
	®	Family members	
	0	Friends	
	0	Teachers	
	(E)	Someone else	
			VE682215
13.		no taught you most of what you know about using computers or other digital hnology for collecting or sharing information?	
	\bigcirc	I taught myself.	
	®	Family members	
	0	Friends	
	(Teachers	
	(E)	Someone else	
			VE682315
14.		to taught you most of what you know about how technology, people, and the vironment are related to each other?	
	(A)	I taught myself.	
	®	Family members	
	0	Friends	
	(Teachers	
	(E)	Someone else	

VF009358

15. Before today, had you ever taken an interactive computer test similar to the one you just took? Select **one** circle in each row.

	Yes	No	
a. I had taken an interactive computer test in school.	(4)	®	VF009360
b. I had taken an interactive computer test outside of school.	0	®	VF009361

VE401773

- **16.** How hard was this test compared to most other tests you have taken this year in school?
 - Easier than other tests
 - About as hard as other tests
 - Harder than other tests
 - Much harder than other tests

VE401776

- 17. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school?
 - Not as hard as on other tests
 - About as hard as on other tests
 - Harder than on other tests
 - Much harder than on other tests

VE401779

- **18.** How important was it to you to do well on this test?
 - Not very important
 - Somewhat important
 - © Important
 - O Very important

Appendix I-1s: Summary of Revisions 2018 Reading SBT Special Study Student Engagement Items

The table below summarizes the non-substantive changes made to the new items for the 2018 Reading SBT study engagement items since the last submission in Appendix F-1aa. The changes were made in collaboration with the subject matter consultant who worked on the development of these items were made to improve wording clarity and to phrase the questions in a way that would engage students.

	Submitted	Revision
Column	Very True	1 Very different from me
Headers	Somewhat True	2 A little different from me
	Not Very True	3 A little like me
	Not at All True	4 A lot like me
Items		
	For every reading assignment, I	I worked hard on all the [XXX] ¹ activities I
	worked hard	just completed.
	I could understand the readings	I understood the [XXX] activities I just
		completed.
	Reading was not important to	The [XXX] activities I just completed are
	me	not important to me.
	I could correctly answer	I was successful on the [XXX] activities I
	questions about the readings	just finished.
	The reading materials were	The [XXX] materials I just read were
	interesting	interesting to me.
	I did not try to complete most of	I did not put effort into the [XXX]
	the reading assignments	activities I just completed.
	I enjoyed reading	I enjoyed the [XXX] activities I just
	The weedings pave week.	finished.
	The readings gave me useful	The [XXX] activities I just completed are
	knowledge	very useful to me. I tried to do well on the [XXX] activities I
	I put a lot of effort into reading	just completed.
	The reading materials were way	I was not good at the [XXX] activities I
	too hard for me	just finished.
	Studying the materials was	Activities like the ones I just completed
	beneficial to me	on [XXX] are very helpful to me at school.
	Even if reading activities were	I made sure I finished every part of the
	difficult, I completed them	[XXX] activities I just completed.
	NEW	In the future, I will be very good at
		activities like those I completed for
		[XXX].

-

¹ Note: Where [XXX] is indicated—The name of each block will appear in place of the [XXX]—e.g., "Space Junk activities", "Mango Street activities."

Summary of Revisions: Reading SBT Special Study Engagement Items

It was very important to me to	The [XXX] activities I just completed are
do my reading	important to me.
I could not relate to the readings	I did not enjoy the [XXX] activities I just
	completed.
It was fun to do the readings	The [XXX] activities I just completed were
	fun.

The items not listed above are selected from the 2017 Operational Grade 4 Core and 2017 Operational Grade 4 Reading questionnaires. No changes have been made to these items since they were submitted in Appendix F. Items 1-4 were selected from Appendix F-1a and items 5-6 were selected from Appendix F-1d.

Appendix I-1t: 2018 Reading SBT Special Study

2018 Reading SBT Study

The statements you will read next are about the reading activities you just finished.

Each statement tells how some students feel about reading. Read each statement and decide whether it describes a person who is like you or a person who is different from you. You will be asked to select one answer choice on each row.

the same		A 1:441-		
Items	1155	A little		
	Very different	different from		
	from me	me	A little like me	A lot like me
	1	2	3	4
I worked hard on all the [XXX] ⁱ activities I just completed.	1	2	3	4
I understood the [XXX] activities I just completed.	1	2	3	4
The [XXX] activities I just completed are not important to me.	1	2	3	4
I was successful on the [XXX] activities I just finished.	1	2	3	4
The [XXX] materials I just read were interesting to me.	1	2	3	4
I did not put effort into the [XXX] activities I just completed.	1	2	3	4
I enjoyed the [XXX] activities I just finished.	1	2	3	4
The [XXX] activities I just completed are very useful to me.	1	2	3	4
I tried to do well on the [XXX] activities I just completed.	1	2	3	4
I was not good at the [XXX] activities I just finished.	1	2	3	4
Activities like the ones I just completed on [XXX] are very helpful to me at school.	1	2	3	4
I made sure I finished every part of the [XXX] activities I just completed.	1	2	3	4
In the future, I will be very good at activities like those I completed for [XXX].	1	2	3	4
The [XXX] activities I just completed are important to me.	1	2	3	4
I did not enjoy the [XXX] activities I just completed.	1	2	3	4
The [XXX] activities I just completed were fun.	1	2	3	4

Note: Where [XXX] is indicated—The name of each block will appear in place of the [XXX]—e.g., "Space Junk activities", "Mango Street activities."

1. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	(A)	®	VH271105
b. Clothes dryer just for your family	(A)	®	VH336756
c. Dishwasher	(A)	®	VH336759
d. Your own bedroom	(A)	®	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	(A)	®	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	®	®	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	(®	VH271112

VH354591

- 2. How often do you use the Internet for homework at home?
 - Never
 - About once or twice a month
 - About once or twice a week
 - Almost every day
 - © Every day

VH591969

- **3.** In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

		VH271276
4.	In this school year, how often did you use a tablet (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?	VII2/12/0
	Never	
	® In some classes	
	© In about half of the classes	
	① In more than half of the classes	
	© In all or almost all classes	
		VH588774
5.	For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?	
	Never	
	® Once	
	© Two or three times	
	© Four or five times	
	© More than five times	
		VH598672
6.	On a typical school day, how much time do you use a computer or other digital device to do your English/language arts schoolwork and homework?	
	Less than 30 minutes	
	® About 30 minutes	
	© About 1 hour	
	About 2 hours	
	© About 3 hours	
	© 4 or more hours	

Appendix I-1u: 2018 Oral Reading Fluency Study

The Oral Reading Fluency items are the same as those submitted in Appendices F-1a, F-1d, and F-1ab

Q1: In this school year, how often have you read out loud - in school or at home, or anywhere?

- 1. Never or hardly ever
- 2. Sometimes
- 3. Often
- 4. All the time

(for Q2 and Q3) Tell us about the last time you read out loud.

Q2: Who did you read to? (Say all that apply.)

- 1. Myself
- 2. A family member
- 3. My Teacher
- 4. Someone else
- 5. I never read out loud.

Q3: Where were you? (Say all that apply.)

- 1. At home
- 2. At school
- 3. In the library
- 4. Somewhere else
- 5. I never read out loud.

Q4: How difficult was this reading-out-loud test?

- 1. Not at all difficult
- 2. A bit difficult
- 3. Quite difficult
- 4. Very difficult

			VH240003
1.	Но	w important was it to you to do well on this test?	
	(A)	Not very important	
	®	Somewhat important	
	0	Important	
	0	Very important	
			VH260313
2.	Но	w easy or difficult was this test?	
	(A)	Extremely difficult	
	$^{ ext{ B}}$	Quite difficult	
	0	Somewhat difficult	
	0	Somewhat easy	
	(E)	Quite easy	
	Ð	Extremely easy	
			VH333658
3.	Но	w much effort did you apply to succeed on this test?	
	(A)	No effort at all	
	$^{ ext{ B}}$	Very little effort	
	0	Some effort	
	0	Quite a bit of effort	
	(E)	A lot of effort	

			VH333660
4.	Но	w challenging was taking this test?	
	lack	Not challenging at all	
	®	A little challenging	
	0	Somewhat challenging	
	0	Quite challenging	
	(E)	Extremely challenging	
			VH333661
5.	Но	w much time pressure did you feel when taking this test?	
	lack	No time pressure at all	
	$^{ ext{ B}}$	A little bit of time pressure	
	0	Some time pressure	
	0	Quite a bit of time pressure	
	(E)	A lot of time pressure	
			VH240387
6.	Ar	e you Hispanic or Latino? Select one or more answer choices.	
	(A)	No, I am not Hispanic or Latino.	
	$^{ ext{ }}$	Yes, I am Mexican, Mexican American, or Chicano.	
	0	Yes, I am Puerto Rican or Puerto Rican American.	
	0	Yes, I am Cuban or Cuban American.	
	(E)	Yes, I am from some other Hispanic or Latino background.	

		VH240388
7.	Which of the following best describes you? Select one or more answer choices.	
	White	
	Black or African American	
	© Asian	
	American Indian or Alaska Native	
	Native Hawaiian or other Pacific Islander	

VH240186

- **8.** About how many books are there in your home?
 - **◎** Few (0–10)
 - ® Enough to fill one shelf (11–25)
 - © Enough to fill one bookcase (26–100)
 - © Enough to fill several bookcases (more than 100)

284

VH271104

9. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	(A)	®	VH271105
b. Clothes dryer just for your family	(A)	®	VH336756
c. Dishwasher	(A)	®	VH336759
d. Your own bedroom	(A)	®	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	(A)	®	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	®	®	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	(®	VH271112

4

VH354591

- 10. How often do you use the Internet for homework at home?
 - Never
 - About once or twice a month
 - About once or twice a week
 - Almost every day
 - © Every day

VH240190

- 11. How many days were you absent from school in the last month?
 - None
 - ® 1 or 2 days
 - © 3 or 4 days
 - 5 to 10 days
 - More than 10 days

VI	12	40	11	20

- **12.** How often do you talk about things you have studied in school with someone in your family?
 - Never or hardly ever
 - Once every few weeks
 - About once a week
 - Two or three times a week
 - © Every day

VH271144

13. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	A	®	VH271145
b. Stepmother	(A)	®	VH271146
c. Foster mother or other female legal guardian	®	®	VH271147
d. Father	(A)	®	VH271148
e. Stepfather	(A)	®	VH271149
f. Foster father or other male legal guardian	(A)	®	VH271150

VH591969

- **14.** In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

71	127	1	27	4

- **15.** In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?
 - Never
 - In some classes
 - In about half of the classes
 - In more than half of the classes
 - © In all or almost all classes

16. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

VH271337

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I fin	ish whatever I n.	(A)	B	0	0	Ē	VH271338
	very hard even r making mistakes.	(A)	B	0	0	Œ	VH271339
even	ep working hard n when I feel like ting.	(A)	®	0	0	©.	VH271342
imp	ep trying to rove myself, even en it takes a long e to get there.	(4)	®	0	•	©	VH271345

17. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a.	I started working on assignments right away rather than waiting until the last minute.	(4)	®	0	0	©.	VH271370
b.	I paid attention and resisted distractions.	(A)	B	0	0	Œ	VH271372
c.	I stayed on task without reminders from my teacher.	(A)	®	0	0	Œ	VH271374
d.	I paid attention in class even when I was not interested.	(A)	®	0	0	©.	VH271375

18. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

VH271749

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like comple problems mo easy problem	re than	(A)	®	0	0	Œ	VH271750
b. I like activiti challenge my abilities.		(A)	®	0	0	Œ	VH271752
c. I enjoy situat where I will think about something.		®	®	0	0	(VH271753
d. I enjoy think new solution problems.	d. I enjoy thinking about new solutions to problems.		ß	O	0	©.	VH271756

VH271934

19. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

		Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
	elt awkward and out place at school.	A	B	0	0	©	VH271942
b. I fe	elt happy at school.	A	®	0	0	(Ē)	VH271944
sor	elt that I learned mething that I can e in my daily life.	(4)	®	0	0	©.	VH336903

VH332850

- 20. How often does your teacher ask you to read a book you have chosen yourself?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH332853

- 21. How often does your teacher ask you to discuss new or difficult vocabulary?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

			VH33286
22.		school this year, how often do you work in pairs or small groups to talk about nething that you have read?	
	(A)	Never	
	®	About once or twice a year	
	0	About once or twice a month	
	(About once or twice a week	
	(E)	Every day or almost every day	
			VH33287
23.		school this year, how often do you have a class discussion about something t the class has read?	
	lack	Never	
	$^{ ext{ B}}$	About once or twice a year	
	0	About once or twice a month	
	0	About once or twice a week	
	Œ	Every day or almost every day	
			VH58877
24.	sen	school this year, how often have you been asked to write long answers (several tences or paragraphs) to questions on tests or assignments that involved ding?	VII30077
	(A)	Never	
	$^{ ext{ B}}$	Once	
	0	Two or three times	
	(Four or five times	
	Œ	More than five times	

- **25.** On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork and homework?
 - Less than 30 minutes
 - About 30 minutes
 - © About 1 hour
 - About 2 hours
 - About 3 hours
 - ① 4 or more hours

VH260228

- **26.** In this school year, how often do you borrow reading materials (such as books or magazines) from your school library or media center?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH337050

27. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

		I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Figure out the meaning of a word you don't know by using other words in the text	(A)	®	0	0	©.	VH260848
b.	Explain the meaning of something you have read	(A)	®	0	0	Œ	VH260849
c.	Figure out the main idea of a text	A	B	0	0	Œ	VH260851
d.	Find text in a reading passage to help you answer a question on a test	(4)	®	0	0	©.	VH260859
e.	Recognize when you don't understand something you are reading	(4)	®	0	0	©	VH260861
f.	Recognize the difference between fact and opinion in a text	(8)	®	0	0	Œ	VH260863

VH260926

28. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I want other students to think I am good at reading.	(9)	®	0	0	©	VH260928
b.	I want to show others that my English/ language arts schoolwork is easy for me.	(9)	®	0	0	©	VH260929
c.	I want to look smart in comparison to the other students in my English/language arts class.	®	®	0	0	©.	VH260930
d.	I want to learn as much as possible in my English/language arts class.	0	®	0	0	©.	VH260931
e.	I want to become a better reader this year.	(A)	®	0	0	Œ	VH260934
f.	I want to understand as much as I can in my English/language arts class.	0	®	0	0	©	VH260938

VH589132

29. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of favorite activitie	my s.	(A)	B	0	0	Œ	VH260271
b. I like talking about books with other people.	ut	(A)	®	0	0	©.	VH260272
c. I think reading is important.	}	(A)	B	0	0	Œ	VH260275
d. I enjoy going to a bookstore or a lil	orary.	(A)	B	0	0	Œ	VH260277

VH598686

- 30. Besides doing homework, how much time do you spend reading outside of school?
 - Less than 30 minutes a day
 - About 30 minutes a day
 - About 1 hour a day
 - About 2 hours a day
 - © About 3 hours a day
 - 4 or more hours a day

VH332820

- **31.** How often do you receive help from a tutor, family member, or friend with English/language arts **outside of school or after school**?
 - Never
 - About once or twice a year
 - About once or twice a month
 - About once or twice a week
 - © Every day or almost every day

VH260906

32. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Talk about books (print or online) with other people	(A)	®	0	0	©.	VH260907
b.	Go to my local library to borrow books (print or online)	(4)	®	0	0	©.	VH260911
c.	Read blogs	A	®	©	0	©	VH260913
d.	Use social media (for example, Facebook, Twitter, Instagram)	(A)	®	0	0	©.	VH333261
e.	Help friends with reading homework	A	®	0	0	Œ	VH260917

Appendix I2: Teacher Questionnaires

Appendix I-2a: Summary of Revisions 2018 Grade 4 and 8 Core

_	rades 4 and 8 Core Teacher vill be used at all grades unless otherwise specified.		
Previous item	2018 item	D/A/ R/NC+	Rationale
1. What is your sex?	1. What is your sex?	NC	
Male	Male		
Temale	① Female		
(2018 Pilot Teacher and School Gender Item)	Issue: Gender		
2. Are you Hispanic or Latino? Select all squares that apply.	2. Are you Hispanic or Latino? Select all squares that apply.	NC	
No, I am not Hispanic or Latino.	No, I am not Hispanic or Latino.		
Tes, I am Mexican, Mexican American, or Chicano.	Yes, I am Mexican, Mexican American, or Chicano.		
© Yes, I am Puerto Rican or Puerto Rican American.	© Yes, I am Puerto Rican or Puerto Rican American.		
Yes, I am Cuban or Cuban American.	Yes, I am Cuban or Cuban American.		
Tes, I am from some other Hispanic or Latino background.	Yes, I am from some other Hispanic or Latino background.		
(2017 Operational Grades 4 and 8)	Issue: Race/Ethnicity		
3. Which of the following best describes you? Select all squares that apply.	3. Which of the following best describes you? Select all squares that apply.	NC	
White	White		
Black or African American	Black or African American		
© Asian	© Asian		
American Indian or Alaska Native	American Indian or Alaska Native		
Native Hawaiian or other Pacific Islander	Native Hawaiian or other Pacific Islander		
(2017 Operational Grades 4 and 8)	Issue: Race/Ethnicity		
4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?	4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?	NC	
⊕ Less than 1 year	Less than 1 year		
● 1-2 years	Ф 1−2 years		
© 3-5 years	© 3–5 years		
Ф 6–10 years	Ф 6-10 years		
© 11–20 years	Ф 11–20 years		
21 or more years	© 21 or more years		
(2017 Operational Grades 4 and 8)	Issue: Teacher Preparation		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	rades 4 and 8 Core Teacher vill be used at all grades unless otherwise specified.		
Previous item	2018 item	D/A/ R/NC+	Rationale
5. Have you been awarded tenure by the school, district, or diocese where you currently teach?	5. Have you been awarded tenure by the school, district, or diocese where you currently teach?	NC	
⊗ Yes	⊕ Yes		
® No	© No		
My school, district, or diocese does not award tenure.	My school, district, or diocese does not award tenure.		
(2017 Pilot Grade 8 Core, Reading Mathematics- All Subjects)	Issue: Teacher Preparation		
5. Excluding student teaching, how many years have you taught civics, geography, history, or social studies in grades 6 through 12, counting this year?	5. Excluding student teaching, how many years have you taught civics, geography, history, or social studies in grades 6 through 12, counting this year?	NC	
Less than 1 year	Less than 1 year		
① 1–2 years	□ 1–2 years		
© 3–5 years	© 3-5 years		
© 6-10 years	© 6-10 years		
© 11-20 years	© 11–20 years		
© 21 or more years	© 21 or more years		
(2018 Pilot Grade 8)	Issue: Teacher Preparation		
5. Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?	5. Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?	NC	
Less than 1 year	D Less than 1 year		
⊕ 1–2 years	① 1-2 years		
© 3-5 years	© 3-5 years		
Ф 6–10 years	Ф 6-10 years		
Ф 11–20 years	© 11-20 years		
D 21 or more years	© 21 or more years		
(2015 Operational Grade 8)	Issue: Teacher Preparation		
6. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?	Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?	NC	
	Yes, I hold a permanent certificate.		
 Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.) 	Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)		
O No, but I am currently working toward certification.	© No, but I am currently working toward certification.		
No, and I am not planning to obtain certification.	No, and I am not planning to obtain certification.		
(2017 Operational Grades 4 and 8)	Issue: Teacher Preparation		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	rades 4 and 8 Core Teacher		
Previous item	vill be used at all grades unless otherwise specified. 2018 item	D/A/ R/NC+	Rationale
 7. Did you enter teaching through an alternative route to certification program? (An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.) Yes No (2017 Operational Grades 4 and 8) 	 7. Did you enter teaching through an alternative route to certification program? (An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.) Yes No 	NC	
8. Are you certified by the National Board for Professional Teaching Standards in at least one content area? (The National Board for Professional Teaching Standards is a nongovernmental organization that administers National Board certification, a voluntary national assessment program that certifies teachers who meet high professional standards. In order to gain certification, the candidate must at least complete a portfolio of classroom practice and pass one or more tests of content knowledge.) ① Yes, I am fully certified by the National Board for Professional Teaching Standards. ① I am working towards my National Board certification. ② No (2017 Operational Grades 4 and 8)	Issue: Teacher Preparation 8. Are you certified by the National Board for Professional Teaching Standards in at least one content area? (The National Board for Professional Teaching Standards is a nongovernmental organization that administers National Board certification, a voluntary national assessment program that certifies teachers who meet high professional standards. In order to gain certification, the candidate must at least complete a portfolio of classroom practice and pass one or more tests of content knowledge.) ① Yes, I am fully certified by the National Board for Professional Teaching Standards. ① I am working towards my National Board certification. ② No Issue: Teacher Preparation	NC	
9. What is the highest academic degree you hold? ① High school diploma ① Associate's degree/vocational certification ② Bachelor's degree ① Master's degree ① Education specialist's or professional diploma based on at least one year's work past master's degree ② Doctorate ② Professional degree (e.g., M.D., LL.B., J.D., D.D.S.) (2017 Operational Grades 4 and 8)	9. What is the highest academic degree you hold?	NC	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item				2018 item				D/A/ R/NC+	Rationale
11. Did you have a major, minor, or sp part of your undergraduate course			ibjects as	11. Did you have a major, minor, or spart of your undergraduate course			ubjects as	NC	
	Yes, a major	Yes, a minor or special emphasis	No		Yes, a major	Yes, a minor or special emphasis	No		
a. History or history education	®	Ф	0	a. History or history education	0	Ф	0		
b. Geography or geography education	0	(D)	0	b. Geography or geography education	0	0	0		
c. Political science	0	Φ	0	c. Political science	0	00	0		
d. General social science or social studies education	0	Ф	0	d. General social science or social studies education	0	Ф	0		
 Other social science (for example, economics, sociology, psychology, anthropology) 	0	Φ	0	 e. Other social science (for example, economics, sociology, psychology, anthropology) 	0	Φ	0		
f. Elementary or secondary education	0	0	0	f. Elementary or secondary education	(4)	00	0		
g. Special education (including students with disabilities)	0	Ф	Ø	g. Special education (including students with disabilities)	0	Ф	0		
h. English language learning	0	0	0	h. English language learning	0	00	0		
part of your undergraduate course		n any of the following st circle in each row.	ubjects as	 Did you have a major, minor, or s part of your undergraduate course 			subjects as	NC	For Grade 4, on Science related
			ubjects as				No	NC	sub-items are
part of your undergraduate course a. Biology or other life science	ework? Select one	Yes, a minor or		part of your undergraduate course a. Biology or other life science	ework? Select one	Yes, a minor or		NC	Science related sub-items are shown given that
a. Biology or other life science b. Physics, chemistry, or other physical science	ework? Select one Yes, a major	Yes, a minor or special emphasis	No	a. Biology or other life science b. Physics, chemistry, or other physical science	Yes, a major	Yes, a minor or special emphasis	No	NC	Science related sub-items are shown given the Science is the
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science	Yes, a major	Yes, a minor or special emphasis	No ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science	Yes, a major	Yes, a minor or special emphasis	No ©	NC	Science related sub-items are shown given the Science is the only subject in
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education	Yes, a major © © © ©	Yes, a minor or special emphasis	No © © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education	Yes, a major	Yes, a minor or special emphasis	No © © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2018
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education	Yes, a major © © ©	Yes, a minor or special emphasis	No © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education	Yes, a major	Yes, a minor or special emphasis	No © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2015 unlike 2015
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education	Yes, a major © © © ©	Yes, a minor or special emphasis	No © © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education	Yes, a major	Yes, a minor or special emphasis	No © © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2018 unlike 2015 where Reading,
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood)	Yes, a major O O O O O	Yes, a minor or special emphasis	No © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood)	Yes, a major © © © © ©	Yes, a minor or special emphasis	No © © © © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2018 unlike 2015
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities)	Yes, a major	Yes, a minor or special emphasis	No © © © © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities)	Yes, a major Solution So	Yes, a minor or special emphasis	No © © © © © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2015 unlike 2015 where Reading, Mathematics, and Science
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including	Yes, a major S S S S S S S S S S S S S S S S S S	Yes, a minor or special emphasis	No © © © © © © © ©	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including	Yes, a major Solution So	Yes, a minor or special emphasis	No © © © © © © © © ©	NC	Science related sub-items are shown given the Science is the only subject in the field in 2015 unlike 2015 where Reading, Mathematics, and Science
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities) i. English language learning	Yes, a major Solution Yes, a major Solution Yes, a minor or special emphasis	No	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities) i. English language learning	Yes, a major On	Yes, a minor or special emphasis	No © © © © © © © © © © © ©	MG	Science related sub-items are shown given th Science is the only subject in the field in 201 unlike 2015 where Reading Mathematics, and Science	
a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities)	Yes, a major Select one Yes, a major Solution Solutio	Yes, a minor or special emphasis	No	a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary or early childhood) h. Special education (including students with disabilities) i. English language learning	Yes, a major Wes, a major On Graduate degree,	Yes, a minor or special emphasis	No © © © © © © © © © © © ©	MG	Science related sub-items are shown given the Science is the only subject in the field in 2018 unlike 2015 where Reading, Mathematics,

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item				2018 item				D/A/ R/NC+	Rationale
 Did you have a major, minor, or s part of your graduate coursework 			subjects as	13. Did you have a major, minor, or s part of your graduate coursework			ibjects as	NC	
	Yes, a major	Yes, a minor or special emphasis	No		Yes, a major	Yes, a minor or special emphasis	No		
. History or history education	0	Ф	0	a. History or history education	0	Φ	0		
o. Geography or geography education	0	Ф	0	b. Geography or geography education	•	Ф	0		
. Political science	0	0	0	c. Political science	0	0	0		
General social science or social studies education	8	Φ	O	d. General social science or social studies education	0	Φ	O		
 Other social science (for example, economics, sociology, psychology, anthropology) 	8	Φ	0	 e. Other social science (for example, economics, sociology, psychology, anthropology) 	0	Φ	0		
				f. Elementary or secondary					
Elementary or secondary education	0	Ф	0	education	0	Ф	0		
	8	Φ	0		0	Φ	0		
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8)	Φ	Φ	0	g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation	© ©	Φ	0	NG	For Grade 4
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8)	⊕ ⊕ pecial emphasis ir	any of the following s in each row.	0	g. Special education (including students with disabilities) h. English language learning	⊕ ⊕ On special emphasis	in any of the following e in each row.	0	NC	,
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8) Did you have a major, minor, or spart of your graduate coursework	© pecial emphasis ir Select one circle Yes, a major	any of the following s in each row. Yes, a minor or special emphasis	© © subjects as	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework	© Special emphasis Select one circl Yes, a major	in any of the following e in each row. Yes, a minor or special emphasis	© © Subjects as	NC	Science relate sub-items are
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8) Did you have a major, minor, or spart of your graduate coursework Biology or other life science Physics, chemistry, or other	⊕ pecial emphasis in Select one circle	any of the following s in each row.	© © subjects as	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other		in any of the following e in each row.	© © g subjects as	NC	Science relate sub-items are shown given t Science is the
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8) Did you have a major, minor, or spart of your graduate coursework Biology or other life science Physics, chemistry, or other physical science	© pecial emphasis ir Select one circle Yes, a major ©	any of the following s in each row. Yes, a minor or special emphasis	© Subjects as No ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science	© Special emphasis Select one circl Yes, a major ©	in any of the following e in each row. Yes, a minor or special emphasis	© © Subjects as No © ©	NC	Science relate sub-items are shown given t Science is the
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8) Did you have a major, minor, or spart of your graduate coursework Biology or other life science Physics, chemistry, or other physical science Earth or space science	© pecial emphasis ir Select one circle Yes, a major ©	any of the following s in each row. Yes, a minor or special emphasis	© © Subjects as No © ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics	© Special emphasis Select one circl Yes, a major	in any of the following e in each row. Yes, a minor or special emphasis	© © g subjects as No ©	NC NC	Science relate sub-items are shown given t Science is the only subject in the field in 20
education Comparison Compari	© pecial emphasis it is Select one circle Yes, a major © ©	The state of the following so in each row. Yes, a minor or special emphasis D D	© © Subjects as No © © ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education	© Special emphasis Select one circl Yes, a major © ©	in any of the following e in each row. Yes, a minor or special emphasis	© © Subjects as No © © © ©	NC NC	Science relate sub-items are shown given t Science is the only subject in the field in 20 unlike 2015
education Special education (including students with disabilities) English language learning 2018 Pilot Grade 8) Did you have a major, minor, or spart of your graduate coursework Biology or other life science Physics, chemistry, or other physical science Earth or space science Mathematics or mathematics education Science education Engineering or engineering education	© pecial emphasis ir Select one circle Yes, a major © ©	any of the following s in each row. Yes, a minor or special emphasis	© © Subjects as No © © © ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering	© Special emphasis Select one circl Yes, a major © ©	in any of the following e in each row. Yes, a minor or special emphasis	© © Subjects as No © © ©	NC .	Science relate sub-items are shown given t Science is the only subject ir the field in 20 unlike 2015 where Readin
education 5. Special education (including students with disabilities) 6. English language learning 2018 Pilot Grade 8) 12. Did you have a major, minor, or s part of your graduate coursework. 15. Biology or other life science 16. Biology or other life science 17. Physics, chemistry, or other physical science 18. Earth or space science 19. Mathematics or mathematics education 19. Science education 20. Engineering or engineering education 21. Education (including elementary or early childhood)	© pecial emphasis ir Select one circle Yes, a major	any of the following s in each row. Yes, a minor or special emphasis	© © Subjects as No © © © © © ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary	© On Special emphasis Select one circl Yes, a major © © ©	in any of the following e in each row. Yes, a minor or special emphasis	© © O © O © O © O © O © O © O © O © O ©	NC	Science relate sub-items are shown given t Science is the only subject in the field in 20 unlike 2015
education g. Special education (including students with disabilities) h. English language learning 2018 Pilot Grade 8) 12. Did you have a major, minor, or s part of your graduate coursework. a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education g. Education (including elementary	© © pecial emphasis ir Select one circle Yes, a major © © © ©	The state of the following special emphasis The state of	© Subjects as No © © © © © © © © © © ©	education g. Special education (including students with disabilities) h. English language learning Issue: Teacher Preparation 12. Did you have a major, minor, or part of your graduate coursework a. Biology or other life science b. Physics, chemistry, or other physical science c. Earth or space science d. Mathematics or mathematics education e. Science education f. Engineering or engineering education	© Special emphasis Select one circl Yes, a major	in any of the following e in each row. Yes, a minor or special emphasis	© © Subjects as	NC	shown given the Science is the only subject in the field in 20: unlike 2015 where Reading Mathematics,

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item				2018 item			D/A/ R/NC+	Rationale
14. During the last two years, did you professional development activitie history, or social studies? Select o	participate in or less related to the te ne circle in each n	ead any of the follow aching of civics, geog ow.	ing graphy,	 During the last two years, did you participate professional development activities related to history, or social studies? Select one circle in a 	NC			
		Yes	No		Yes	No		
College course taken after your first certification		0	Φ	College course taken after your first certification	⊗	Φ		
b. Workshop or training session		•	0	b. Workshop or training session	0	0		
 Mentoring and/or peer observation coaching as part of a formal arrange 	and	0	•	c. Mentoring and/or peer observation and coaching as part of a formal arrangement	0	0		
d. Co-teaching/team teaching	ment	®	•	d. Co-teaching/team teaching	©	0		
 During the last two years, did you development activities related to 	the teaching of sci	ence? Select one circl	e in each row.	development activities related to the teaching	of science? Select one Yes	circle in each row.	R	Sub-items c, d, f j, and I were removed to
de retopment det rides related to	and tellering of ser	the select one one	o in cucii iovi.		· · · · · · ·			1 **
	Yes, I have participated.	Yes, I have led.	No	a. College course taken after your first				1011101101
a. College course taken after your	0	Φ	0	certification	0	Ф		ensure
first certification b. Workshop or training session	0	Φ	0	b. Workshop or training session c. Mentoring and/or peer observation and	0	Φ		consistency wit
c. Conference or professional	0	Φ	0	coaching as part of a formal arrangement	®	Φ.		2017 Core
d. Observational visit to another	0	0	©	d. Co-teaching/team teaching	0	Φ		development.
school				Issue: Teacher Preparation				
	0	Φ	0	issue. Teacher Freparation				
school e. Mentoring and/or peer observation and coaching as part	Φ	Φ	0	issue. reactier rreparation				
school e. Mentoring and/or peer observation and coaching as part of a formal arrangement f. Committee or task force focusing on curriculum, instruction, or				issue. reacher rreparation				
school e. Mentoring and/or peer observation and coaching as part of a formal arrangement f. Committee or task force focusing on curriculum, instruction, or student assessment g. Regularly scheduled discussion or study group	∞	Ф	0	issue. reacher rreparation				
school e. Mentoring and/or peer observation and coaching as part of a formal arrangement f. Committee or task force focusing on curriculum, instruction, or student assessment g. Regularly scheduled discussion or study group h. Teacher collaborative or network (such as one organized by an outside agency or over the	Φ	(D)	0	issue. reactier rreparation				
school e. Mentoring and/or peer observation and coaching as part of a formal arrangement f. Committee or task force focusing on curriculum, instruction, or student assessment g. Regularly scheduled discussion or study group h. Teacher collaborative or network (such as one organized by an outside agency or over the Internet) i. Individual or collaborative	Φ Φ	Φ	0	issue. reacher rreparation				
school e. Mentoring and/or peer observation and coaching as part of a formal arrangement f. Committee or task force focusing on curriculum, instruction, or student assessment g. Regularly scheduled discussion or study group h. Teacher collaborative or network (such as one organized by an outside agency or over the Internet) i. Individual or collaborative research j. Independent reading on a regular basis (for example, educational	Φ Φ	Φ Φ	6	issue. reacher rreparation				

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

				ades 4 and 8 Core Te					
Previous item	Previous item				,			D/A/ R/NC+	Rationale
	14. During the last two years, have you received training from any source in any of the following areas? Select one circle in each row.			14. During the last two years, have you received training from any source in any of the following areas? Select one circle in each row.				NC	
	No, I am already proficient.	No, I have not.	Yes		No, I am already proficient.	No, I have not.	Yes		
a. Basic computer training	0	(D)	0	a. Basic computer training	0	OD	©		
b. Software applications	0	0	0	b. Software applications	0	Φ	0		
c. Use of the Internet	0	0	0	c. Use of the Internet	Φ	Ф	©		
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	•	Ф	0	d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	⊗	-00	0		
e. Integration of computers and other technology into classroom instruction	®	Φ	0	e. Integration of computers and other technology into classroom instruction	0	Φ	©		
(2017 Operational Grade	s 4 and 8)			Issue: Teacher Preparatio	n				
computers or other digital d Yes, to all teachers Yes, to some teachers No (2017 Operational Grade				computers or other digital d Yes, to all teachers Yes, to some teachers No Issue: Technology Use	evices:				
16. In this school year, have you p devices through your school?	participated in tra	ining on compute	rs or other digital	16. In this school year, have you p devices through your school?	participated in tra	ining on computer	s or other digital	NC	
No				No					
Once				Once					
© Twice				120 00000					
				© Twice					
Several times				Several times					
(2017 Operational Grade	s 4 and 8)			Issue: Technology Use					
17. In this school year, did your sc Chromebooks) to use for teach			puter (including	17. In this school year, did your sc Chromebooks) to use for teach			outer (including	NC	
Yes, and I can take it home				D Yes, and I can take it home					
D Yes, but I cannot take it ho	me.			Tes, but I cannot take it ho	ime.				
© No				© No					
(2017 Operational Grade	s 4 and 8)			Issue: Technology Use					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grades 4 and 8 Core Teacher						
Previous item	zill be used at all grades unless otherwise specified. 2018 item	D/A/ R/NC+	Rationale			
18. In this school year, did your school provide you with a tablet (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?	18. In this school year, did your school provide you with a tablet (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?	NC				
Yes, and I can take it home.						
Yes, but I cannot take it home.	Tes, but I cannot take it home.					
© No	© No					
(2017 Operational Grades 4 and 8)	Issue: Technology Use					
19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select all squares that apply.	19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select all squares that apply.	NC				
Desktop computers	Desktop computers					
Laptop computers (including Chromebooks)	Laptop computers (including Chromebooks)					
Tablets (for example, Surface Pro, iPad, Kindle Fire)	© Tablets (for example, Surface Pro, iPad, Kindle Fire)					
Other digital devices (Please specify):	Other digital devices (Please specify):					
(2017 Operational Grades 4 and 8)	Issue: Technology Use					
20. How well do the desktop computers in your school work?	20. How well do the desktop computers in your school work?	NC				
All computers are functional and operate quickly.	 All computers are functional and operate quickly. 					
All computers are functional, but some run more slowly than others.	All computers are functional, but some run more slowly than others.					
© All computers are functional, but all or almost all run slowly.	All computers are functional, but all or almost all run slowly.					
D Some of the computers do not operate and cannot be used.	Some of the computers do not operate and cannot be used.					
① I don't know.	I don't know.					
(2017 Operational Grades 4 and 8)	Issue: Technology Use					
21. How well do the laptop computers (including Chromebooks) in your school work?	21. How well do the laptop computers (including Chromebooks) in your school work?	NC				
 All computers are functional and operate quickly. 	All computers are functional and operate quickly.					
All computers are functional, but some run more slowly than others.	All computers are functional, but some run more slowly than others.					
 All computers are functional, but all or almost all run slowly. 	All computers are functional, but all or almost all run slowly.					
Some of the computers do not operate and cannot be used.	Some of the computers do not operate and cannot be used.					
① I don't know.	I don't know.					
(2017 Operational Grades 4 and 8)	Issue: Technology Use					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rational
 22. How well do the tablets (for example, Surface Pro, iPad, Kindle Fire) in your school work? All tablets are functional and operate quickly. All tablets are functional, but some run more slowly than others. All tablets are functional, but all or almost all run slowly. Some of the tablets do not operate and cannot be used. I don't know. (2017 Operational Grades 4 and 8) 				 22. How well do the tablets (for example, Surface Pro, iPad, Kindle Fire) in your school work? All tablets are functional and operate quickly. All tablets are functional, but some run more slowly than others. All tablets are functional, but all or almost all run slowly. Some of the tablets do not operate and cannot be used. I don't know. 				NC					
2017 Operational 23. How often do you do t			Select one cir	rcle in each ro	ow.	Issue: Technology U		; in this school	Select one ci	rcle in each ro	w.	NC	
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	İ	
Teach jointly as a team in the same class	0	Φ	0	0	Φ	Teach jointly as a team in the same class	0	0	0	0	Ф		
b. Observe other teachers' classes and provide feedback	0	99	0	0	Φ	b. Observe other teachers' classes and provide feedback	⊗	90	0	0	Φ		
c. Engage in discussions about the learning development of specific students	©	00	0	0	Ф	c. Engage in discussions about the learning development of specific students	0	00	0	0	Ф		
d. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	0	(D)	0	•	Φ	d. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	®	0	0	•	θ		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item						2018 item						D/A/ R/NC+	Rationale
24. In your school, how seve	re is each prob	lem? Select	t one circle in	each row.		24. In your school, how severe is each problem? Select one circle in each row.				NC			
	Not a probl	em Mi		Aoderate problem	Serious problem		Not a probl			Moderate problem	Serious problem		
 The school building needs significant repair. 	0		00	0	Φ	The school building need significant repair.	s 🐵		0	0	Φ		
. Classrooms are overcrowded.	0		a	0	Ф	b. Classrooms are overcrowded.	•		Ф	0	0		
. Teachers have too many teaching hours.	0		Φ.	0	Ф	c. Teachers have too many teaching hours.	Φ		Ф	0	Φ		
l. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	⊗		Φ	0	Φ	d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	0		Φ	0	0		
 Teachers do not have adequate instructional materials and supplies. 	0	(Ф	0	Ф	e. Teachers do not have adequate instructional materials and supplies.	0		Φ	0	0		
2017 Operational (25. How much does each of circle in each row.	4 A 1 -		apply to you as	a teacher? Se	lect one	25. How much does each of circle in each row.	the following sta	atements ap	pply to you as a	teacher? Sele	ect one	NC	
25. How much does each of circle in each row.	the following s		Somewhat like me	Quite a bit like me	Exactly like me	25. How much does each of circle in each row.	Not at all A	little bit like me		Quite a bit like me		NC	
25. How much does each of	the following s	tatements a	Somewhat	Quite a bit	Exactly like	25. How much does each of	Not at all A	little bit	Somewhat	Quite a bit	Exactly like	NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me.	Not at all like me	tatements a	Somewhat like me	Quite a bit like me	Exactly like me	25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me.	Not at all like me	little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school.	Not at all like me	tatements a A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	25. How much does each of circle in each row. a. 1 am satisfied with being a teacher at this school.	Not at all like me li	little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a	Not at all like me li	little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	a. 1 am satisfied with being a teacher at this school. b. My work inspires me. c. 1 am frustrated as a teacher at my school. d. I am supported by the	Not at all like me lik	little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school.	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school.	Not at all like me lik	Ilittle bit like me	Somewhat like me	Quite a bit like me	Exactly like me	NC NC	
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. 2017 Operational (26. Whether a student does things. You may feel the than others. In school, in following? Select one ci	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. Issue: School Clima 26. Whether a student doe things. You may feel than others. In school,	Not at all like me lik	Ilittle bit like me	Somewhat like me	Quite a bit like me	Exactly like me		
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. 2017 Operational (26. Whether a student does things. You may feel that than others. In school, be following? Select one ci	Not at all like me Solution Grades 4: well or poorty it some of these one possible is rele in each row	A little bit like me and 8) in school n e things are it for your sw. A little possible to	Somewhat like me © © © may depend or easier for you students to che	Quite a bit like me	Exactly like me	a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. Issue: School Clima 26. Whether a student doe things. You may feel than others. In school,	Not at all like me	Ilittle bit like me	Somewhat like me © © © © one was depended of the easier for yet students to come what like me	Quite a bit like me	Exactly like me		
25. How much does each of circle in each row. a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. 2017 Operational (26. Whether a student does things. You may feel the than others. In school, following? Select one ci	Not at all like me Solution Coractes 4: well or poorly it some of theso we possible is rele in each row. Not at all possible to change	A little bit like me and 8) in school n be things are it for your sw. A little bossible to change	Somewhat like me © © © may depend or e easier for you students to change	Quite a bit like me	Exactly like me	a. I am satisfied with being a teacher at this school. b. My work inspires me. c. I am frustrated as a teacher at my school. d. I am supported by the teachers at my school. Issue: School Clima 26. Whether a student doe things. You may feel than others. In school, following? Select one of	Not at all like me lik	Ilittle bit like me In the property of the p	Somewhat like me	Quite a bit like me	Exactly like me		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-2b: 2018 Operational Grade 8 Core (BET-Social Studies)

			VH712259
1.	Wł	nat is your sex?	
	igotimes	Male	
	$^{ ext{\textcircled{B}}}$	Female	
			VH240385
2.	Ar	e you Hispanic or Latino? Select all squares that apply.	
	(A)	No, I am not Hispanic or Latino.	
	ഀ	Yes, I am Mexican, Mexican American, or Chicano.	
	0	Yes, I am Puerto Rican or Puerto Rican American.	
	0	Yes, I am Cuban or Cuban American.	
	(E)	Yes, I am from some other Hispanic or Latino background.	
			VH240386
3.	Wł	nich of the following best describes you? Select all squares that apply.	
	(A)	White	
	$^{ ext{ B}}$	Black or African American	
	0	Asian	
	0	American Indian or Alaska Native	
	(E)	Native Hawaiian or other Pacific Islander	

			VH240195
4.		cluding student teaching, how many years have you worked as an elementary or ondary teacher, counting this year?	
	\bigcirc	Less than 1 year	
	®	1–2 years	
	0	3–5 years	
	(6–10 years	
	Œ	11–20 years	
	Ð	21 or more years	
			VH614182
5.		cluding student teaching, how many years have you taught civics, geography, tory, or social studies in grades 6 through 12, counting this year?	V11014102
	\bigcirc	Less than 1 year	
	®	1–2 years	
	0	3–5 years	
	(6–10 years	
	Œ	11–20 years	
	Ð	21 or more years	
			VH547397
6.		ve you been awarded tenure by the school, district, or diocese where you rently teach?	V11347371
	(A)	Yes	
	®	No	
	0	My school, district, or diocese does not award tenure.	

			VH2401
7.		you hold a regular or standard certificate that is valid in the state in which you currently teaching?	
	lack	Yes, I hold a permanent certificate.	
	$^{ ext{ $	Yes, I hold a temporary certificate. (This type of certificate may require additional course student teaching, etc.)	ework
	0	No, but I am currently working toward certification.	
	(No, and I am not planning to obtain certification.	
			VH2401
8.	Di	d you enter teaching through an alternative route to certification program?	
	exp	n alternative route to certification program is a program that was designed to pedite the transition of non-teachers to a teaching career, for example, a state, strict, or university alternative route to certification program.)	
	(A)	Yes	
	B	No	
			VH2401
9.		e you certified by the National Board for Professional Teaching Standards in at st one content area?	
	org ass In	ne National Board for Professional Teaching Standards is a nongovernmental ganization that administers National Board certification, a voluntary national sessment program that certifies teachers who meet high professional standards. order to gain certification, the candidate must at least complete a portfolio of sessoom practice and pass one or more tests of content knowledge.)	
	(A)	Yes, I am fully certified by the National Board for Professional Teaching Standards.	
	B	I am working towards my National Board certification.	

3

© No

VH240200

- 10. What is the highest academic degree you hold?
 - High school diploma
 - Associate's degree/vocational certification
 - © Bachelor's degree
 - Master's degree
 - © Education specialist's or professional diploma based on at least one year's work past master's degree

4

- Doctorate
- © Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

VH241753

11. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. History or history education	A	®	O	VH614158
b. Geography or geography education	A	®	0	VH614159
c. Political science	A	®	0	VH614160
d. General social science or social studies education	A	®	0	VH614162
e. Other social science (for example, economics, sociology, psychology, anthropology)		®	0	VH614164
f. Elementary or secondary education	A	®	0	VH241767
g. Special education (including students with disabilities)	(A)	®	0	VH241781
h. English language learning	A	®	0	VH241782

VH240204

12. Since completing your undergraduate degree, have you taken any graduate courses?

5

- A Yes
- ® No Question 22 is not applicable and will be skipped.

VH241785

13. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Select **one** circle in each row.

		Yes, a major	Yes, a minor or special emphasis	No	
a.	History or history education	(A)	®	0	VH614171
b.	Geography or geography education	(A)	®	0	VH614172
c.	Political science	(A)	®	0	VH614173
d.	General social science or social studies education	(A)	®	0	VH614174
e.	Other social science (for example, economics, sociology, psychology, anthropology)	(4)	®	0	VH614175
f.	Elementary or secondary education	(A)	®	0	VH241797
g.	Special education (including students with disabilities)	(A)	®	0	VH241807
h.	English language learning	(A)	®	0	VH241808

VH614376

14. During the last **two years**, did you participate in or lead any of the following professional development activities **related to the teaching of civics**, **geography**, **history**, **or social studies**? Select **one** circle in each row.

	Yes	No	
a. College course taken after your first certification	(A)	®	VH614381
b. Workshop or training session	A	®	VH614382
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	®	®	VH614383
d. Co-teaching/team teaching	A	®	VH614385

VH241893

15. During the last **two years**, have you received training from any source in any of the following areas? Select **one** circle in each row.

		No, I am already proficient.	No, I have not.	Yes	
a. Basic compu	iter training	A	®	0	VH241894
b. Software app	olications	(A)	®	0	VH241895
c. Use of the Ir	nternet	A	®	0	VH241898
	it television,	(®	0	VH241897
	of computers and blogy into classroom	®	®	0	VH241896

VH294995

- **16.** In this school year, did your school offer training for teachers on how to use computers or other digital devices?
 - Yes, to all teachers
 - Yes, to some teachers
 - © No

VH295076

17. In this school year, have you participated in training on computers or other digital devices through your school?

7

- No
- ® Once
- © Twice
- Several times

			VH617404
18.		this school year, did your school provide you with a laptop computer (including romebooks) to use for teaching and class preparation?	
	\bigcirc	Yes, and I can take it home.	
	®	Yes, but I cannot take it home.	
	0	No	
			VH617411
19.		this school year, did your school provide you with a tablet (for example, Surface o, iPad, Kindle Fire) to use for teaching and class preparation?	
	\bigcirc	Yes, and I can take it home.	
	$^{ ext{ B}}$	Yes, but I cannot take it home.	
	O	No	
			VH592056
20.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	\bigcirc	Desktop computers	
	$^{ ext{ $	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	0	Other digital devices (Please specify):	
			VH592052
21.	Но	w well do the desktop computers in your school work?	
	(A)	All computers are functional and operate quickly.	
	®	All computers are functional, but some run more slowly than others.	
	0	All computers are functional, but all or almost all run slowly.	
	(Some of the computers do not operate and cannot be used.	
	Œ	I don't know.	

VH592059

- 22. How well do the laptop computers (including Chromebooks) in your school work?
 - All computers are functional and operate quickly.
 - All computers are functional, but some run more slowly than others.
 - All computers are functional, but all or almost all run slowly.
 - © Some of the computers do not operate and cannot be used.
 - © I don't know.

VH592063

- **23.** How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school work?
 - All tablets are functional and operate quickly.
 - All tablets are functional, but some run more slowly than others.
 - All tablets are functional, but all or almost all run slowly.
 - © Some of the tablets do not operate and cannot be used.
 - © I don't know.

317

VH304679

24. How often do you do the following in this school? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Teach jointly as a team in the same class	A	®	0	0	Œ	VH304693
b.	Observe other teachers' classes and provide feedback	(A)	®	0	0	Œ	VH304698
c.	Engage in discussions about the learning development of specific students	®	®	0	Φ	©	VH304736
d.	Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	⊗	®	0	Φ	Œ	VH304740

25. In your school, how severe is each problem? Select **one** circle in each row.

VH262652

		Not a problem	Minor problem	Moderate problem	Serious problem	
a.	The school building needs significant repair.	(A)	B	0	0	VH262653
b.	Classrooms are overcrowded.	(4)	B	0	0	VH262654
c.	Teachers have too many teaching hours.	(9)	B	0	0	VH262655
d.	Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(8)	®	0	0	VH262656
e.	Teachers do not have adequate instructional materials and supplies.	®	®	©	0	VH262657

10

VH305005

26. How much does each of the following statements apply to you as a teacher? Select **one** circle in each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I am satisfied with being a teacher at this school.	(A)	®	0	0	Œ	VH305016
b.	My work inspires me.	(A)	®	0	0	Œ	VH305024
c.	I am frustrated as a teacher at my school.	A	B	0	0	Œ	VH305032
d.	I am supported by the teachers at my school.	A	®	0	0	Œ	VH305033

VH329966

27. Whether a student does well or poorly in school may depend on a lot of different things. You may feel that some of these things are easier for your students to change than others. In school, how possible is it for your students to change each of the following? Select **one** circle in each row.

	Not at all possible to change	A little possible to change	Somewhat possible to change	Quite possible to change	Completely possible to change	
a. Being intelligent	A	®	©	0	(Ē)	VH329967
b. Putting forth a lot of effort	A	®	0	0	Œ	VH329968
c. Behaving well in class	(A)	®	©	0	(E)	VH329970

Appendix I-2c: Pilot Grade 4 Core (BET- Science)

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

			VH712259
1.	Wł	nat is your sex?	
	(A)	Male	
	®	Female	
			VH240385
2.	Ar	e you Hispanic or Latino? Select all squares that apply.	
	lack	No, I am not Hispanic or Latino.	
	$^{ ext{ B}}$	Yes, I am Mexican, Mexican American, or Chicano.	
	0	Yes, I am Puerto Rican or Puerto Rican American.	
	0	Yes, I am Cuban or Cuban American.	
	(E)	Yes, I am from some other Hispanic or Latino background.	
			VH240386
3.	Wł	nich of the following best describes you? Select all squares that apply.	
	lack	White	
	ഀ	Black or African American	
	0	Asian	
	0	American Indian or Alaska Native	
	(E)	Native Hawaiian or other Pacific Islander	

			VH24019
4.		cluding student teaching, how many years have you worked as an elementary or ondary teacher, counting this year?	
	(A)	Less than 1 year	
	®	1–2 years	
	0	3–5 years	
	0	6–10 years	
	Œ	11–20 years	
	(Ē)	21 or more years	
			VH54739
5.		ve you been awarded tenure by the school, district, or diocese where you rently teach?	
	\bigcirc	Yes	
	®	No	
	0	My school, district, or diocese does not award tenure.	
			VH24019
6.		you hold a regular or standard certificate that is valid in the state in which you currently teaching?	
	(A)	Yes, I hold a permanent certificate.	
	®	Yes, I hold a temporary certificate. (This type of certificate may require additional courses student teaching, etc.)	work
	0	No, but I am currently working toward certification.	
	(No, and I am not planning to obtain certification.	

		VH240198
7.	Did you enter teaching through an alternative route to certification program?	
	(An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)	
	Yes	
	® No	
		VH240199
8.	Are you certified by the National Board for Professional Teaching Standards in at least one content area?	
	(The National Board for Professional Teaching Standards is a nongovernmental organization that administers National Board certification, a voluntary national assessment program that certifies teachers who meet high professional standards. In order to gain certification, the candidate must at least complete a portfolio of classroom practice and pass one or more tests of content knowledge.)	
	I am working towards my National Board certification.	
	© No	
		VH240200
9.	What is the highest academic degree you hold?	
	Associate's degree/vocational certification	
	© Bachelor's degree	
	Master's degree	
	© Education specialist's or professional diploma based on at least one year's work past madegree	aster's
	© Doctorate	
	© Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)	

VH241753

10. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	(A)	®	0	VH241768
b. Physics, chemistry, or other physical science	(A)	®	0	VH241769
c. Earth or space science	(A)	®	0	VH241770
d. Mathematics or mathematics education	(A)	®	0	VH241771
e. Science education	(A)	®	0	VH241772
f. Engineering or engineering education	(A)	®	0	VH241780
g. Education (including elementary or early childhood)	(A)	®	0	VH241762
h. Special education (including students with disabilities)	(A)	®	0	VH241781
i. English language learning	(A)	®	0	VH241782

VH240204

11. Since completing your undergraduate degree, have you taken any graduate courses?

- A Yes
- ® No Question 22 is not applicable and will be skipped.

VH241785

12. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	(A)	®	0	VH241798
b. Physics, chemistry, or other physical science	(A)	®	0	VH241799
c. Earth or space science	(A)	®	0	VH241800
d. Mathematics or mathematics education	(A)	®	0	VH241801
e. Science education	(A)	®	0	VH241802
f. Engineering or engineering education	(A)	®	0	VH241806
g. Education (including elementary or early childhood)	(A)	®	0	VH241795
h. Special education (including students with disabilities)	(A)	®	0	VH241807
i. English language learning	A	®	©	VH241808

VH736191

13. During the last **two years**, did you participate in any of the following professional development activities **related to the teaching of science**? Select **one** circle in each row.

	Yes	No	
a. College course taken after your first certification	(4)	®	VH736192
b. Workshop or training session	(A)	®	VH736193
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	(A)	®	VH736196
d. Co-teaching/team teaching	(A)	®	VH736202

VH241893

14. During the last **two years**, have you received training from any source in any of the following areas? Select **one** circle in each row.

		No, I am already proficient.	No, I have not.	Yes	
a.	Basic computer training	A	®	0	VH241894
b.	Software applications	A	®	0	VH241895
c.	Use of the Internet	A	®	0	VH241898
d.	Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	®	®	0	VH241897
e.	Integration of computers and other technology into classroom instruction	(®	0	VH241896

VH294995

- **15.** In this school year, did your school offer training for teachers on how to use computers or other digital devices?
 - A Yes, to all teachers
 - Yes, to some teachers
 - © No

VH295076

- **16.** In this school year, have you participated in training on computers or other digital devices through your school?
 - No
 - ® Once
 - © Twice
 - Several times

17.	In	this school year, did your school provide you with a laptop computer (including	VH617404
17.		romebooks) to use for teaching and class preparation?	
	(A)	Yes, and I can take it home.	
	®	Yes, but I cannot take it home.	
	0	No	
			VH617411
18.		this school year, did your school provide you with a tablet (for example, Surface o, iPad, Kindle Fire) to use for teaching and class preparation?	
	lack	Yes, and I can take it home.	
	B	Yes, but I cannot take it home.	
	0	No	
			VH592056
19.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	(A)	Desktop computers	
	lack	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	0	Other digital devices (Please specify):	
			VH592052
20.	Ho	w well do the desktop computers in your school work?	
	lack	All computers are functional and operate quickly.	
	B	All computers are functional, but some run more slowly than others.	
	0	All computers are functional, but all or almost all run slowly.	
	0	Some of the computers do not operate and cannot be used.	
	Œ	I don't know.	

VH592059

- 21. How well do the laptop computers (including Chromebooks) in your school work?
 - All computers are functional and operate quickly.
 - All computers are functional, but some run more slowly than others.
 - All computers are functional, but all or almost all run slowly.
 - © Some of the computers do not operate and cannot be used.
 - © I don't know.

VH592063

22. How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school work?

8

- All tablets are functional and operate quickly.
- All tablets are functional, but some run more slowly than others.
- All tablets are functional, but all or almost all run slowly.
- © Some of the tablets do not operate and cannot be used.
- © I don't know.

VH304679

23. How often do you do the following in this school? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Teach jointly as a team in the same class	A	®	0	0	Œ	VH304693
b.	Observe other teachers' classes and provide feedback	(A)	®	0	0	Œ	VH304698
c.	Engage in discussions about the learning development of specific students	®	®	0	Φ	©	VH304736
d.	Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	⊗	®	0	Φ	©.	VH304740

24. In your school, how severe is each problem? Select **one** circle in each row.

VH262652

	Not a problem	Minor problem	Moderate problem	Serious problem	
a. The school building needs significant repair.	A	B	0	0	VH262653
b. Classrooms are overcrowded.	(A)	B	0	0	VH262654
c. Teachers have too many teaching hours.	(A)	B	0	0	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(®	0	0	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	®	©	0	VH262657

9

VH305005

25. How much does each of the following statements apply to you as a teacher? Select **one** circle in each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a.	I am satisfied with being a teacher at this school.	(A)	®	0	0	Œ	VH305016
b.	My work inspires me.	(A)	®	0	0	Œ	VH305024
c.	I am frustrated as a teacher at my school.	A	B	0	0	Œ	VH305032
d.	I am supported by the teachers at my school.	A	®	0	0	Œ	VH305033

VH329966

26. Whether a student does well or poorly in school may depend on a lot of different things. You may feel that some of these things are easier for your students to change than others. In school, how possible is it for your students to change each of the following? Select **one** circle in each row.

		Not at all possible to change	A little possible to change	Somewhat possible to change	Quite possible to change	Completely possible to change	
a.	Being intelligent	A	®	0	0	Œ	VH329967
b.	Putting forth a lot of effort	(A)	B	0	0	Œ	VH329968
c.	Behaving well in class	(A)	®	0	0	Œ	VH329970

Appendix I-2d: Pilot Grade 8 Core (BET- Science)

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

			VH712259
1.	Wł	nat is your sex?	
	(A)	Male	
	$^{\otimes}$	Female	
			VH240385
2.	Ar	e you Hispanic or Latino? Select all squares that apply.	
	(A)	No, I am not Hispanic or Latino.	
	$^{ ext{ B}}$	Yes, I am Mexican, Mexican American, or Chicano.	
	0	Yes, I am Puerto Rican or Puerto Rican American.	
	0	Yes, I am Cuban or Cuban American.	
	Œ	Yes, I am from some other Hispanic or Latino background.	
			VH240386
3.	Wł	nich of the following best describes you? Select all squares that apply.	
	(A)	White	
	®	Black or African American	
	0	Asian	
	0	American Indian or Alaska Native	
	(E)	Native Hawaiian or other Pacific Islander	

		VH240195
4.	Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?	
	Less than 1 year	
	® 1–2 years	
	© 3–5 years	
	© 6–10 years	
	© 11–20 years	
	© 21 or more years	
		VH240203
5.	Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?	V1124020.
	® 1–2 years	
	© 3–5 years	
	© 6–10 years	
	© 11–20 years	
	© 21 or more years	
		VH547397
6.	Have you been awarded tenure by the school, district, or diocese where you currently teach?	VD347357
	® No	
	My school, district, or diocese does not award tenure.	

VH24019	7

- 7. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?
 - Yes, I hold a permanent certificate.
 - Serial Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
 - O No, but I am currently working toward certification.
 - No, and I am not planning to obtain certification.

VH240198

8. Did you enter teaching through an alternative route to certification program?

(An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- A Yes
- ® No

VH240199

9. Are you certified by the National Board for Professional Teaching Standards in at least one content area?

(The National Board for Professional Teaching Standards is a nongovernmental organization that administers National Board certification, a voluntary national assessment program that certifies teachers who meet high professional standards. In order to gain certification, the candidate must at least complete a portfolio of classroom practice and pass one or more tests of content knowledge.)

- ① Yes, I am fully certified by the National Board for Professional Teaching Standards.
- I am working towards my National Board certification.
- © No

VH240200

- 10. What is the highest academic degree you hold?
 - High school diploma
 - Associate's degree/vocational certification
 - © Bachelor's degree
 - Master's degree
 - © Education specialist's or professional diploma based on at least one year's work past master's degree

4

- Doctorate
- © Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

VH241753

11. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	(A)	®	0	VH241768
b. Physics, chemistry, or other physical science	(A)	®	0	VH241769
c. Earth or space science	(A)	®	0	VH241770
d. Mathematics or mathematics education	(A)	®	0	VH241771
e. Science education	(A)	®	0	VH241772
f. Engineering or engineering education	(A)	®	0	VH241780
g. Elementary or secondary education	(A)	®	0	VH241767
h. Special education (including students with disabilities)	(A)	®	0	VH241781
i. English language learning	(A)	®	0	VH241782

VH240204

- 12. Since completing your undergraduate degree, have you taken any graduate courses?
 - A Yes
 - ® No Question 22 is not applicable and will be skipped.

VH241785

13. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	(A)	®	0	VH241798
b. Physics, chemistry, or other physical science	(A)	®	0	VH241799
c. Earth or space science	(A)	(9)	0	VH241800
d. Mathematics or mathematics education	(A)	®	0	VH241801
e. Science education	(A)	®	0	VH241802
f. Engineering or engineering education	(A)	®	0	VH241806
g. Elementary or secondary education	(A)	®	0	VH241797
h. Special education (including students with disabilities)	(A)	®	0	VH241807
i. English language learning	A	®	©	VH241808

VH736191

14. During the last **two years**, did you participate in any of the following professional development activities **related to the teaching of science**? Select **one** circle in each row.

	Yes	No	
a. College course taken after your first certification	®	®	VH736192
b. Workshop or training session	(A)	®	VH736193
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	(A)	®	VH736196
d. Co-teaching/team teaching	(A)	®	VH736202

VH241893

15. During the last **two years**, have you received training from any source in any of the following areas? Select **one** circle in each row.

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	(A)	®	0	VH241894
b. Software applications	(A)	®	0	VH241895
c. Use of the Internet	(A)	®	0	VH241898
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	(A)	®	0	VH241897
e. Integration of computers and other technology into classroom instruction	(®	0	VH241896

VH294995

- **16.** In this school year, did your school offer training for teachers on how to use computers or other digital devices?
 - Yes, to all teachers
 - Yes, to some teachers
 - © No

VH295076

17. In this school year, have you participated in training on computers or other digital devices through your school?

7

- No
- ® Once
- © Twice
- Several times

18.		this school year, did your school provide you with a laptop computer (including romebooks) to use for teaching and class preparation?	VH617404
		Yes, and I can take it home.	
		Yes, but I cannot take it home.	
	0	No	
			VH617411
19.		this school year, did your school provide you with a tablet (for example, Surface o, iPad, Kindle Fire) to use for teaching and class preparation?	
	\bigcirc	Yes, and I can take it home.	
	®	Yes, but I cannot take it home.	
	0	No	
			VH592056
20.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	(A)	Desktop computers	
	®	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	0	Other digital devices (Please specify):	
			VH592052
21.	Но	w well do the desktop computers in your school work?	
	\bigcirc	All computers are functional and operate quickly.	
	®	All computers are functional, but some run more slowly than others.	
	0	All computers are functional, but all or almost all run slowly.	
	0	Some of the computers do not operate and cannot be used.	
	Œ	I don't know.	

VH592059

- 22. How well do the laptop computers (including Chromebooks) in your school work?
 - All computers are functional and operate quickly.
 - All computers are functional, but some run more slowly than others.
 - All computers are functional, but all or almost all run slowly.
 - © Some of the computers do not operate and cannot be used.
 - © I don't know.

VH592063

- **23.** How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school work?
 - All tablets are functional and operate quickly.
 - All tablets are functional, but some run more slowly than others.
 - All tablets are functional, but all or almost all run slowly.
 - © Some of the tablets do not operate and cannot be used.
 - © I don't know.

340

VH304679

24. How often do you do the following in this school? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Teach jointly as a team in the same class	A	®	0	0	Œ	VH304693
b.	Observe other teachers' classes and provide feedback	(A)	®	0	0	Œ	VH304698
c.	Engage in discussions about the learning development of specific students	®	®	0	Φ	©	VH304736
d.	Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	⊗	®	0	Φ	©.	VH304740

25. In your school, how severe is each problem? Select **one** circle in each row.

VH262652

	Not a problem	Minor problem	Moderate problem	Serious problem	
a. The school building needs significant repair.	A	B	0	0	VH262653
b. Classrooms are overcrowded.	(A)	B	0	0	VH262654
c. Teachers have too many teaching hours.	(A)	B	0	0	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(®	0	0	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	®	©	0	VH262657

10

VH305005

26. How much does each of the following statements apply to you as a teacher? Select **one** circle in each row.

		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
	I am satisfied with being a teacher at this school.	(A)	®	0	0	Œ)	VH305016
b.	My work inspires me.	(A)	®	0	0	Œ	VH305024
c.	I am frustrated as a teacher at my school.	A	B	0	0	Œ	VH305032
d.	I am supported by the teachers at my school.	A	B	0	0	Œ	VH305033

VH329966

27. Whether a student does well or poorly in school may depend on a lot of different things. You may feel that some of these things are easier for your students to change than others. In school, how possible is it for your students to change each of the following? Select **one** circle in each row.

	Not at all possible to change	A little possible to change	Somewhat possible to change	Quite possible to change	Completely possible to change	
a. Being intelligent	A	®	©	0	(Ē)	VH329967
b. Putting forth a lot of effort	A	®	0	0	Œ	VH329968
c. Behaving well in class	(A)	®	©	0	(E)	VH329970

Appendix I-2e: Summary of Revisions 2018 Grade 4 and 8 Science

Previous item							2018 item						D/A/ R/NC+	Rationale
1. Which best describes you I do not teach science I teach all or most sub The only subject I tea We team teach, and I (2015 Grade 4)	to this class. jects, including ch is science.	science.			1/2	9.594092	1. Which best describes your ro 1 do not teach science to to 1 teach all or most subject The only subject I teach in We team teach, and I have Issue: Resources for	this class. ts, including sci s science. e primary respon	ence. nsibility for teacl	hing science.	rcle.	VHSAULE	NC NC	
4. Are students assigned to the Yes No (2015 Grade 4)	nis class by ach	evement level?	2_		-53	2142206	4. Are students assigned to thi Yes No Issue: Organization	s class by achie	evement level?			VE24014	NC	
5. To what extent do you u classroom? Select one ci			. Moderat			your	N/A						D	To keep student burden low and add new conten
Groupings based on students' interest in science/science-related topics	0	0	extent ©	0		F633146								consistent with prior development fo
b. Groupings based on students' learning preferences or styles	٥	Ф	0	0	VI	633149								other subjects (2017 Math,
c. Groupings based on students' readiness or current achievement level	0	•	0	0	VI	F633)50								Reading, Writing), this
(2015 Grade 4)					V20430542				3			VIEW1184	NC	item was dropped.
How often do you use each in each row.	of the following	to assess studen	it progress in sci	ence? Select or	ne circle		5. How often do you use each science? Select one circle		ng methods to as	sess student pro	gress in		NC	
	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day				Never or hardly ever	Once or twice a month	Once or twice a week	Almost ever day	у		
a. Multiple-choice tests	0	•	0	0	VM10543		a. Multiple-choice tests b. Short written responses	00	00	0	0	VH241165		
h. Short written responses (e.g., a phrase or sentence)	@	@	0	0	VB6(8544		(e.g., a phrase or sentence)	00	00	0	0	VH241166		
c. Long written responses (e.g., several sentences or paragraphs)	⊗	ⅎ	0	0	VII610845		c. Long written responses (e.g., several sentences or paragraphs)	8	0	0	0	VH241169		
	0	Œ	0	0	V3(157952		d. Performance-based assessments	00	00	0	0	VH241168		
d. Performance-based assessments							assessments							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item	D/A/	Rationale
Na Avenda en	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Q 197 11 2		VCS/NSST	N/A	R/NC+ D	To keep student
11. To what extent do you use instruction? Select one circ	each of the foll le in each row.	owing technologi	cal resources to	or fourth-grade	science			burden low and
	Not at all	Small extent	Moderate extent	Large extent	i al			add new conten
a. Desktop computer	•	(D)	©	-0	VC973470			consistent with
b. Laptop computer	•	0	0	0	VC973471			prior
c. Tablet computer d. Digital projector (device	0	0	0	0	VH157962			development fo
that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	∞	00	0	Φ	VC973475			other subjects (2017 Math,
e. CD-ROM	®	00	0	0	VC973474			Reading,
f. Online software g. Digital music device	®	00	0	0	VC973475			_
(pocket-sized music player used to listen to or create audio files, such as an MP3 player)	0	Φ	0	Φ	VC973476			Writing), this item was dropped.
h. Cable/satellite/ closed-circuit television	0	(D)	0	0	VC973477			uroppeu.
i. DVD player and DVDs	®	0	0	0	VC973478			
j. Digital camera	0	0	0	0	VC973479			
k. Graphing calculator	®	00	0	0	VC973480			
 Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone) 	•	0	0	0	VC973481			
m. Data collection sensors/ probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	•	Φ	0	0	VC973482			
 Online course management system (web-based software used to organize information, assignments, grades, and discussions) 	•	Ф	0	0	VC973483			
 Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards) 	•	•	0	0	VC973484			
2015 Grade 4)								
12. Which of the following provides you with the inteach your class? Description: I get all the resource I get most of the res I get some of the res I don't get any of the company of th	es I need. cources I need	materials and o l. d.				N/A	D	To keep student burden low and add new context consistent with prior development for other subjects (2017 Math, Reading, Writing), this item was

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

13. When you teach science to your fourth-grade class, do you do any of the following! Scleet one circle in each row. Not at all Small extent Moderate Large extent extent Consistent Prior								Grade 4 Science	e reac	iiei						1
1. Now many students science to your fourth-gracke class, do you do say of the following select one circle in each row. Nor at all Small except Small	Previous item							2018 item								Rationale
Live additions set of methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for methods in Coching some character for form of the		your fourth-g	grade class, d	o you do any	of the follo	owing? Select		N/A							D	To keep student
methods in caching some		Not at all	Small ex	xtent Me	oderate xtent	Large extent										consistent with
B. Supplement the regular short programment for explaint solutions and interest of the subject	methods in teaching some	0	(1)		0	Φ	VC767814									'
instruction for some distriction for some districti	course curriculum with additional material for	0	•		0	•	VC767820									other subjects (2017 Math,
defining different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in different discovered in discovered in discovered in discovered discovered in discovered discovered in discovered discovered in discovered discov	instruction for some	0	(1)		0	•	VF633254									
a. Set different achievement standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of standarks for some of some of standarks for some of standar	in different classroom	0	(8)		0	Φ	VC767823									
2015 Grade 4 2015 Grade 4 2016 201	e. Set different achievement standards for some	0	(B)		0	Φ	VC767824									dropped.
16. In addition to your regular classroom instruction, how often do you use the following to enjoge fourth-grade students in learning ectence? Select one circle in each row. Not at all 1-2 times per 3 or more times per year year year year year year year ye																
Science fairs a. Science fairs b. Science competitions c. Science-related field trips (including muscums, 2006. aguiariums, science centers, and other similar sites) (2015 Grade 4) 1. How many students are in this class? Enter the number of students. (2017 Grade 4) 2. How many students are in this class? Enter the number of students. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. No time Very little some time Oute a bit of time 3. Life science D. D. D. D. D. D. D. D. D. D. D. D. D. D						ollowing to e		N/A							D	To keep studen burden low and
A Science competitions So O O O O O O O O O O O O O O O O O O O		Ne	ot at all		per 3 c											consistent with
Selence competitions																
(2017 Mat Reading, Writing), the item was dropped. 1. How many students are in this class? Enter the number of students. (2017 Grade 4) 2. How many students are in this class? Enter the number of students. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Mat Reading, Writing), the item was dropped. NC (2017 Mat Reading, Writing), the item was dropped. NC (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Grade 4) (2) How many students are in this class? Enter the number of students. (2017 Mat Reading, Writing), the item was dropped. NC (2017 Mat Reading, Writing), the item was dropped. (2) How many students are in this class? Enter the number of students. (2016 Grade 4) (2) How many students are in this class? Enter the number of students. (2017 Grade 4) (3) How many students are in this class? Enter the number of students. (2017 Grade 4) (3) How many students are in this class? Enter the number of students. (3) How many students are in this class? Enter the number of students. (3) How many students are in this class? Enter the number of students. (4) How many students are in this class? Enter the number of students. (4) How many students are in this class? Enter the number of students. (5) How many students are in this class? Enter the number of students. (5) How many students are in this class? Enter the number of students. (5) How many students are in this class? Enter the number of students. (6) In this class. About how much time do you spend on each of the following areas of science on the following areas of	c. Science-related field trips (including museums, zoos, aquariums, science centers, a	ind														development for other subjects
1. How many students are in this class? Enter the number of students. (2017 Grade 4) 2. How many students are in this class? Enter the number of students. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Grade 4) 3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (2017 Grade 4) (3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (4. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (5. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (6. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. (8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row.	(2015 Grade 4)															Reading, Writing), this item was
3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 6. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. No time Very little time Some time Quite a bit of time Very little time Some time Quite a bit of time Very little time Some time Quite a bit of time A lot of time Very little time Some time Quite a bit of time A lot How many students are in the	is class? Ent	er the numb	er of studen	s.		V316 9964E	2. How many students ar	e in this class?	Enter the nu	mber of stude	nts.		VH26116()	NC		
3. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 6. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 6. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science science science? Select one circle in each row. 8. In this class, about how much time do you spend on each of the following areas of science science? 9. In this class, about how much time do you spend on each of the following areas of science science science? Select one circle in each row. 9. In this class, about how much time do you spend on each of the following areas of science science science? 9. In this class, about how much time do you spend on each of the following areas of science science science. 9. In this class, about how much time do you spend on each of the following areas of science science science. 9. In this class, about how much time do you spend on each of the following areas of science science. 9. In this class, about how much time do you spend on each of the following areas of science science. 9. In this class, about how much time do you spend on each of the following areas of science science. 9. In this class, about how much time do you spend on each of the following areas of science science. 9. In this class	(2017 Grade 4)							Issue: Resources	for Learn	ning and	Instructi	on				
A			ou spend on	each of the	ollowing a	reas of	/#89403	6. In this class, about he science? Select one c	ow much time ircle in each ro	do you spend w.	on each of the	following area	as of	VH639433	NC	
b. Earth and space science c. Physical science d. Engineering and	N			ome time	Quite a bit of time	A lot of time		5/1 = = =	No time		Some time	Quite a bit of time	A lot of time			
science Science Science Science Science Science Science Science Science Science Science C. Physical science Science C. Physical science Scienc		®	(1)	0	0	Ф	¥14639434		0	0	0	Ф	Θ	VH639434		
C. Physical science							V\$4636436		®	00	0	0	0	VH639436		
Leadander D D D D D Month L. Engineering and		0	1	0	0	Ф	VH639435	c. Physical science	0	Φ.	0	Φ	Ð	VH639435		
technology to the control of the con								The second of th								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
2. In a typical week, how m in this class? Write in the (2017 Grade 4)	A Navidate of the Control of the Con						3. In a typical week, how much time do you spend teaching science to the students in this class? Write in the hours and minutes.							R	The following revision was made: " hours and minutes per week" was added to align with similar items in other subjects (2017 Math, Reading, Writing).
 About how often do your science students do each of the following? Select one circle 					\He30356	7. About how often do yo one circle in each row.	ur science s	tudents do eac	h of the follow	ring activities	? Select	VH630386	R	The following revisions were	
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			made: (1) "activities" was
a. Work with other students on a science activity or project	®	00	9	0	Φ	V94639389	Work with other students on a science activity or project	®	0	9	0	Φ	VH639589		added to the
b. Write about science (e.g., papers, reports, science journals)	Φ	0	0	0	Ф	VHSJOOR	b. Write about science (e.g., papers, reports, or student science journals)	•	Ф	0	•	©	V18689400		stem to improve translatability,
c. Watch a science teacher do a science activity	0	(b)	9	0	Ф	V94639856	c. Watch you do a science activity	0	Φ.	0	Φ	Φ	VH639856		and (2) subitem "b", "c", "d", an
d. Do hands-on investigations in science class	®	0	0	0	Ф	V##639588	d. Talk about the measurements and results from their hands-on activities	•	Φ	0	0	Φ	VH639594		"e" were revised
e. Talk about the measurements and results from students' hands-on activities	Φ	⑤	0	0	Ф	V\$4630594	e. Discuss the kinds of problems that engineers can solve (e.g., how to build a bridge or how to	•	Φ	9	0	θ	VH639597		based on stakeholder feedback and
f. Discuss the kinds of problems that engineers can solve	•	Ф	θ	0	Ф	V116/10507	collect energy from the Sun) f. Figure out different								cognitive
g. Figure out different ways to solve a science problem	0	Φ	0	0	Φ	V36639866	ways to solve a science problem g. Present what they	0	Φ	0	0	0	VH639846		interview study results.
h. Present what they have learned about	•	Φ.	0	Φ	Ф	V18630503	have learned about science	0	Φ	0	•	0	VH639593		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	D/A/ R/NC+							2018 item							Previous item			
The following revisions were	R	VH4-40891	e on ow.	is did you place circle in each re	nuch emphasi ? Select one c	his year, how n ollowing skills	cience class the feet of the feet	Thinking about your se teaching your students	Vissanty	Thinking about your fourth grade science class this year, how much emphasis did ou place on teaching your students each of the following? Select one circle in each ow.								
made: (1) "fourth grade"		3 - 11	A lot of emphasis	Quite a bit of emphasis	Some emphasis	Very little emphasis	No emphasis			A lot of emphasis	Quite a bit of emphasis	Some emphasis	Very little emphasis	No emphasis				
was removed		VH640901	Φ	0	0	Ф	0	Developing good research questions	VH640901	Φ	0	0	D	0	a. Develop good research questions			
from the item		VH640902	Θ	0	0	Ф	0	Using drawings or models to explain events or phenomena	VH640002	0	0	0	60	Φ	b. Use drawings to explain events or phenomena			
cross-grade use		V1 16405 03	Ф	Φ.	9	00	0	c. Coming up with experiments or other tests to answer a	VH640903	θ	0	0	Φ	0	c. Come up with tests to answer a scientific question			
(2) "skills" was added to the stem to improve		VH640906	Ð	•	0	Φ.	0	scientific question d. Organizing data into a chart, graph, or spreadsheet to test a solution	VH64090c	θ	0	0	θ	8	d. Organize data to derive meaning or test a solution using reasoning or calculation			
translatability, and (3) subitem		VH640907	Ð	0	0	00	0	e. Deciding when to use quantitative versus qualitative data	VII640907	Ф	6	0	0	®	e. Choose words or numbers to best explain a scientific problem			
"a", "b", "c", "d "e", "f", "g", and		VH640908	Φ	Ф	0	Φ.	0	f. Generating explanations based on observations and measurements	V14640008	θ	0	0	0	0	f. Generate explanations based on observations and measurements			
"h" were revise		VH640909	Φ	Φ	0	Ф	0	g. Evaluating the quality	V16640900	Φ	Φ	0	(8)	0	g. Evaluate evidence to compare arguments			
based on stakeholder		VH640911	Θ	Φ	0	Ф	0	h. Teaching science ideas to others (e.g., students or teachers)	VH640911	Φ	0	0	Ф	0	topics in order to convey the ideas to			
		1.11				Φ	0	g. Evaluating the quality of data h. Teaching science ideas to others (e.g.,					1		h. Read about science topics in order to			

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Previous item							2018 item							D/A/ R/NC+	Rationale
In your science class the students each of the form				ed to teaching	your	VH641162	In your science class the your students each of the science class the science c	his year, how the following	much emphas skills? Select (is have you d one circle in	levoted to teach each row.	ning	VHEATIEZ	R	The following revisions were
	No or almost no time	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time			No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	7 = 1		made: (1) "time was changed to
Make observations of natural phenomena (e.g., making measurements)	Φ	0	0	0	Φ	VH641163	Making observations of natural phenomena (e.g., making measurements)	0	Φ.	0	•	Φ	VH641163		"emphasis" to align wording
b. Use models to demonstrate relationships among science principles	•	9	0	0	Φ	VH641164	b. Making predictions based on prior experimental observations	8	Ф	0	Φ	Φ	VH641 66		with other item (2) "skills" was
c. Make predictions based on prior experimental observations	Φ	(D)	0	0	Ф	VH641166	c. Creating models of scientific principles (e.g., a graphic, manipulative, or	0	9	0	Φ.	Φ	VH641167		added to the stem to improve
d. Create models of scientific principles, (e.g., a graphic, manipulative, or demonstration that illustrates the	•	Ф	0	0	Φ	VH641)67	demonstration that illustrates the principle) d. Reading data in tables or charts to draw	Φ	Φ	0	•		VH641160		translatability, (3) subitems "b" "e", "g" and "i"
principle) e. Design experimental procedures to investigate a particular question	Φ	Ф	0	0	Φ	VH641168	conclusions about hypotheses e. Deciding which tools would be most	9	9	0	Θ	θ	VH641172		were dropped t keep student burden low and
f. Read data in tables or charts, to draw conclusions	0	Φ	0	0	Ф	VH641169	appropriate to gather data f. Designing and testing								add new conte
g. Substantiate a conclusion by using empirical evidence	0	0	Ø	0	Ф	VH641170	a solution to a problem	®	00	0	Φ	0	VH641 (74		consistent with previous
h. Decide which tools would be most appropriate to gather data	Φ	0	0	0	Φ	VH641)72	Issue: Organization	on or ins	truction						development for other subjects
i. Evaluate the strengths and weaknesses of a solution to a problem	0	o	0	0	Ф	VH641) 73									(2017 Math, Reading,
j. Predict possible negative consequences of a proposed solution to a problem	0	OD.	0	0	Φ	VH6413.74									Writing), (4) subitems "f" wa
2017 Grade 4)			,												revised based of editorial review and (5) "j" was revised based of stakeholder

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revious item						2018 item						D/A/ R/NC+	Rationale
7. In this school year, did you activities? Select one answ	r school offer a er choice in eac	ny of the followin h row	ig supplementa	1	VFI641332	 In this school year, did your scho activities? Select one answer cho 			g supplementa	1	VEH41332	R	The following revisions were
		Yes		No				Yes		No			made: (1)
 Opportunities for students to scientific research 	o participate in	0		Ф	VH641334	Opportunities for students to work together to solve problems in their		⊗		Ф	VH641334		Subitem "b" wa
b. Science clubs	a change du	0		Ф	VH641336	community or the world b. Opportunities for students to enga			= 14 =				dropped to kee
c. Opportunities for students to collective science activities endangered species, or nurtu of a live animal in the classo	(e.g., adopt an	0		Φ	VH641338	group science activities c. Opportunities for students to use s	e scientific	•	= k =	Φ	VH641338		student burder low and add ne
d. Opportunities for students to		00		Φ	VH641339	instruments (e.g., thermometers, microscopes, or telescopes)	,	0		00	VH641330		content, (2)
instruments e. Opportunities for students to science outreach programs (control partnerships with colleges, not see the science outreach programs (control partnerships with colleges, not see the science of the scien	e.g.,	0		Φ	VH641341	d. Opportunities for students to partiscience outreach programs (e.g., partnerships with colleges, museufoundations)		0		Φ	VH641341		subitems "a" ai
2017 Grade 4)						Issue: Resources for Lea	arning a	and Instru	ction				based on stakeholder feedback, and (3) subitem "d" was revised to create
8. To what extent do you use instruction? Select one circ		owing technologi	cal resources fo	or science	VH641306	12. To what extent do you use each of instruction? Select one circle in or	n of the follo			r science	V184130é	R	stakeholder feedback, and (3) subitem "d" was revised to
To what extent do you use instruction? Select one circ		owing technologi	cal resources fo Moderate extent	or science Large extent	¥1644.306	12. To what extent do you use each instruction? Select one circle in	n of the follo			r science Large extent	V1841306	R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem
To what extent do you use instruction? Select one circ	ele in each row.		Moderate		У1864.308 V1864.307	12. To what extent do you use each instruction? Select one circle in of the circle in of t	n of the follo	owing technologic	tal resources fo		V1641306 VH641307	R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem "c" and "d" we
8. To what extent do you use instruction? Select one circ 1. Desktop or laptop computer(s) (including	Not at all	Small extent	Moderate extent	Large extent		12. To what extent do you use each instruction? Select one circle in of the n of the follo n each row. Not at all	owing technologic	Moderate extent	Large extent		R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem "c" and "d" we revised based cognitive	
8. To what extent do you use instruction? Select one circ 1. Desktop or laptop computer(s) (including Chromebooks) 5. Tablet(s) (e.g., Surface Pro.	Not at all	Small extent	Moderate extent	Large extent	VH641307	12. To what extent do you use each instruction? Select one circle in or a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podcasts, or	n of the follon each row.	Small extent	Moderate extent	Large extent	VH641307	R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem "c" and "d" we revised based
8. To what extent do you use instruction? Select one circ instruction? Select one circ instruction? Select one circ instruction? Select one circ instruction in the computer(s) (e.g., Surface Proparties, Conline content (e.g., online software, podcasts, or streaming videos)	Not at all	Small extent	Moderate extent ©	Large extent	VH641307 VH641308	12. To what extent do you use each cinstruction? Select one circle in or a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podcasts, or videos) d. Interactive web spaces or virtual classrooms (e.g., websites where students	n of the follon each row.	Small extent	Moderate extent	Large extent	γH641307 VH641308	R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem "c" and "d" we revised based of cognitive interview
8. To what extent do you use instruction? Select one circ a. Desktop or laptop computer(s) (including Chromebooks) Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podcasts, or streaming videos) d. Interactive web spaces (e.g., forums where students can interact and share	Not at all	Small extent	Moderate extent © ©	Large extent	VH641307 VH641308 VH641309	12. To what extent do you use each instruction? Select one circle in one circle in one circle in one circle in one computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podcasts, or videos) d. Interactive web spaces or virtual classrooms (e.g.,	on of the follon each row.	Small extent	Moderate extent © ©	Large extent	VH641307 VH641308 VH641309	R	stakeholder feedback, and (3) subitem "d' was revised to create consistency across items. The following revision was made: Subitem "c" and "d" we revised based of cognitive interview

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Previous item							2018 item							D/A/ R/NC+	Rationale
Suppose your students think each of the follo- row.	did very well wing explanat	on their last sions is in this	science test. I situation? Se	How likely do lect one circle	you in each	VH64(262	 Suppose your student think each of the follorow. 	s did very wel owing explana	on their last ions is in this	science test. I situation? Se	How likely do lect one circle	you in each	VH-41262	NC	
	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	Final Control		Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely			
My students did well because they studied and were prepared.	0	0	0	Ф	Φ	VH641273	 My students did well because they studied and were prepared. 	∞	0	0	0	Φ	VH641273		
 My students did well because they put in a lot of effort. 	0	0	0	0	Ф	VH641376	 My students did well because they put in a lot of effort. 	•	0	O	0	Ð	VH641176		
 My students did well because they always do well on tests. 	9	0	0	•	Ф	VH641277	 My students did well because they always do well on tests. 	Φ	Ф	Ø	Φ	Ф	VH641277		
d. My students did well because I taught the concepts well.	0	Ф	Ø	Ф	Œ	VH641179	d. My students did well because I taught the concepts well.	(3)	0	0	Φ	Ф	VH641279		
e. My students did well because they guessed well on the test.	•	Ф	0	Ф	Φ	VH641281	 e. My students did well because they guessed well on the test. 	∞	0	Ф	0	Θ	VH641281		
 My students did well because they are just good at science. 	60	0	0	0	Ф	VH641284	 My students did well because they are just good in science. 	۵	0	0	0	Ф	VH641284		
(2017 Grade 4)							Issue: Teacher	Prepara	tion						
12. How often do you me and evaluate their pro			one to give f	eedback on the	heir work	VH639626	13. In this school year, he feedback on their wo					to give	VII639628	R	The following revision was
 Never or hardly e 							 Never or hardly 	ever							made: "In this
A few times a year							A few times a ye	ar							school year" wa
Once or twice a n							Once or twice a	month							added to create
Once or twice a w							Once or twice a	0.777							consistency
(2017 Crade 4)	ost every day						Every day or alm	ost every da	У						across items.
(2017 Grade 4)							Issue: Organiza	tion of I	nstructi	on					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
10. To what extent do you e science to your fourth-g					g	VH141180	10. To what extent do you emp science to your fourth-grad	phasize each o le class? Selec	of the followi t one circle i	ng objectives n each row.	in teaching		H241190	R	The following revisions were
	Not at	all Smal	l extent M	Moderate extent	Large extent			Not at all	Small ex		derate Lar	ge extent			made: (1)
a. Increase students' interest in science	0		00	Φ	0	VH241202	Increasing students' interest in science	0	0		0	Ф ун	141202		Subitems "c",
 Increase awareness of the importance of science in daily life 	8	4	0	0	0	V9(23) (263	Increasing awareness of the importance of science in daily life	Φ	0		0	⊕ vH	141203		"d", "f", "g", "h and "I" were
 Learn about applications of science to environmental issues 	of ©	100	Ф	0	0	V9(24) 199	c. Teaching the iterative process of scientific inquiry d. Teaching the iterative	0	0		0	Ф Ин	539755		dropped to kee
d. Teach scientific facts and principles to build foundational knowledge	0		0	0	0	V348/30754	process of scientific practice	Φ	00		0	© VH	48077		low and add ne
e. Teach the iterative proces of scientific inquiry and practices	s ø		•	0	Φ	VHA-1073.4	e. Developing problem-solving skills f. Developing scientific	0	(D)		0		241197		content, and (2 subitem "e" wa
Provide students with the knowledge and skills needed to prepare for upper grade level science course	g @		Φ.	0	0	V34630756.	Issue: Organization								revised based of editorial review
g. Develop skills to ask questions based on observations	0		Φ	Θ	0	VH630758									
h. Develop inquiry skills	0		®	0	0	V1031194									
. Develop skills in lab techniques	0		®	0	0	VP(24) 196									
 Develop problem-solving skills 	0		0	0	0	V11241107									
 Develop scientific writing skills 	0		Φ	0	0	VH241200									
2017 Grade 4) 13. How often do you do ear their progress in science	ch of the foll Select one	owing with in circle in each About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	VHADAM	14. In this school year, how o individual students to eva	luate their pr	bout once	About once or twice a	About once or twice a	Every day or almost	VH639633	R	The following revisions were made: (1) "In
a. Regularly discuss each student's current level of performance with	⊗	Ф	©	Ф	©	VH639634	Regularly discuss each student's current level of performance with	0	year	month	week	every day	VH639634		this school yea was added to create
b. Set goals for specific progress the student would like to make	9	Φ	0	Φ	Ф	VH639635	b. Set goals for specific progress the student	Ø	Φ	0	0	Œ	VH639635		consistency
c. Discuss progress the student has made toward goals previously set	⊗	Φ	0	Φ	Ф	VH639636	would like to make c. Discuss progress the student has made toward goals	Φ	Φ	©	@	Ф	VH639636		across items, and (2) subiter "d" was revise
d. Determine how to adjust your teaching strategies to meet the student's current	8	Φ	0	(1)	Φ	VH639637	previously set d. Determine how to adjust your teaching strategies to meet the student's current	0	OD.	0	0	Ф	VH639617		to reduce item complexity.

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Previous item						2018 item						D/A/ R/NC+	Rationale
11. To what extent are the foll (including your school and	owing resource school district	es available to you)? Select one circle	in your school e in each row.	system	VH699520	11. To what extent are the follo (including your school and	wing resource school district	s available to you)? Select one circl	in your school e in each row.	system	V18639520	R	The following revisions were
	Not at all	Small extent	Moderate extent	Large extent	la.		Not at all	Small extent	Moderate extent	Large extent			made: (1)
Science textbooks (including digital forms, such as online textbooks)	0	Ф	0	0	VH639521	Science textbooks (print or online)	©	Φ	0	0	VH639521		Example conten for subitems "a"
b. Science magazines and						 Science magazines and books (print or online) 	0	Φ	0	0	VH639523		and "b" was
books (including digital forms, such as online magazines and books)	0	Ф	0	0	VH630522	c. Supplies or equipment for science labs or demonstrations	0	Φ.	0	0	VH639523		changed to align
 Supplies or equipment for science demonstrations 	0	00	0	0	VH639523	d. Space to conduct science	®	Ф	0	•	VH639525		wording with
d. Supplies or equipment for science labs	0	00	0	Φ	VH639524	labs e. Computers for students'	•	Φ	0	0	VH639532		other development, (2
e. Space to conduct science labs	0	Φ	0	•	VH639525	use in class f. Computer labs	0	Φ	0	0	VH639527		subitems "c" an
f. Computers for students' use in class	•	Φ	0	Φ	VH639532	g. Computers for teachers'	0	Φ	0	0	VH639528		"d" were
g. Computer labs	0	00	0	Ф	VH639527	h. Science kits	•	00	0	0	VH639531		combined to
h. Computers for teachers' use	9	(D)	0	0	VH639528	 Scientific measurement instruments (e.g., 							reduce burden,
 Computerized science labs for classroom use 	⊗	Φ	0	•	VH639529	microscopes, thermometers, beakers, or	0	Φ	0	0	VH639526		(3) subitems "I"
j. Audiovisual materials	00	0	0	0	VH639530	weighing scales)							and "j" were
k. Science kits	0	00	0	Ф	VH639531								dropped to
 Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales) 	9	Ф	Ø	0	VH639526	Issue: Resources for	Learning	and Instru	ction				reduce burden, and (4) example
2017 Grade 4)													content in
2017 Grade +/													subitem "I" was
													revised to creat
													consistency
													across item
													0.01.000
													wording.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
1. Which best describes your 1 do not teach science 1 teach all or most sub The only subject I teach We team teach, and I I (2015 Grade 8)	to this class. ejects, including th is science.	science.			VB/90092	1. Which best describes your I do not teach science t I teach all or most subject I teach The only subject I teach We team teach, and I h. Issue: Resources for	o this class. ects, including sci n is science. eve primary respon	ence. nsibility for teac	thing science.	rcle.	VHDAOILS	NC	
4. Are students assigned to the Yes Description No (2015 Grade 8)	nis class by achi	evement level?			VIEI42206	4. Are students assigned to t Yes No Issue: Organization					VE24014	NC	
5. To what extent do you u classroom? Select one ci					tion in your	N/A						D	To keep student burden low and add new conten
a. Groupings based on	Not at all	Small exter	Moderate extent	Large ex	tent								consistent with
students' interest in science/science-related topics	00	(5)	0	0	VF633146								prior development fo
 Groupings based on students' learning preferences or styles 	0	Ф	0	0	Vp633146								other subjects (2017 Math,
 Groupings based on students' readiness or current achievement level 	•	•	0	0	VF633150								Reading, Writing), this
2015 Grade 8)					VBH0042						VIEGALI64		item was dropped.
How often do you use each in each row.	of the following	to assess studer	t progress in sci	ence? Select on		5. How often do you use e science? Select one circl		ng methods to as	ssess student pro	gress in	VIENTINA	NC	
	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every			Never or hardly ever	Once or twice a month	Once or twice a week	Almost every	y		
a. Multiple-choice tests	0	•	0	0	VW(10543	a. Multiple-choice tests	90	0	0	0	VH241165		
h. Short written responses (e.g., a phrase or sentence)	0	(3)	0	Φ	VB6(8544	 Short written responses (e.g., a phrase or sentence 	00	Φ.	0	0	VH241166		
c. Long written responses (e.g., several sentences or paragraphs)	0	®	0	Φ	VII610845	 c. Long written responses (e.g., several sentences or paragraphs) 	0	0	0	0	VH241169		
d. Performance-based	0	®	0	0	V3EL57952	d. Performance-based assessments	00	0	0	Φ	VH241168		
assessments						doocoomento						1	1

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						D/A/ R/NC+	Rationale
11. To what extent do you use instruction? Select one circ		owing technologi	Moderate	or eighth-grade s		D	To keep student burden low and add new conten
	Not at all	Sman extent	extent	Large extent			consistent with
Desktop computer	0	00	0	0	VC976050		prior
b. Laptop computer	0	Ф	0	0	VC976051		development fo
c. Tablet computer	0	00	0	0	VH157981		•
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	0	Ф	0	Φ	VC976054		other subjects (2017 Math, Reading,
e. CD-ROM	0	00	0	0	VC976056		Writing), this
f. Online software	0	(D)	0	Φ.	VC976057		item was
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	0	Ф	0	Θ	VC976059		dropped.
h. Cable/satellite/ closed-circuit television	00	Φ	0	0	VC976061		
 DVD player and DVDs 	0	00	0	0	VC976068		
j. Digital camera	0	00	0	0	VC976067		
k. Graphing calculator	(3)	0	0	Φ.	VC976068		
Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	•	(D)	0	•	VC976071		
m. Data collection sensors/ probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	Φ	Ф	0	Φ	VC976072		
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	۵	Ф	©	Φ	VC976073		
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	⊗	ap.	0	Φ	VC976075		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

D							2040 :+	D/A/	Rationale
Previous item							2018 item	D/A/ R/NC+	Kationale
			0 00 0			HE001022	11/1	•	To keep student
 13. Which of the follow provides you with the teach your class? I get all the reson I get most of the 	ne instructio	onal materials					N/A	D	burden low and add new content consistent with
© I get some of the									prior
I don't get any of									development fo
	the resourt	ico i neco.							other subjects
(2015 Grade 8)									(2017 Math,
									Reading,
									Writing), this
									item was
									dropped.
India desam.	m. 78 8 7	Salar -	85-7-866	And Design	VC916085		N/A	D	To keep student
When you teach science to circle in each row.	your eighth-gr	ade class, do you	do any of the fo	ollowing? Select	one		11/7		burden low and
	2 m		Moderate	Ī.					add new conten
a. Use a different set of	Not at all	Small extent	extent	Large extent					consistent with
methods in teaching some students	0	Ф	0	0	VC976086				
 Supplement the regular course curriculum with 	0	Φ	9	0	VCS76688				prior
additional material for some students									development for
c. Vary the pace of instruction for some students	0	Φ.	0	0	VF640396				other subjects
d. Have some students engage in different classroom activities	0	Ф	ø	•	VC976092				(2017 Math, Reading,
e. Set different achievement standards for some students	•	Ф	0	0	VC976094				Writing), this
									item was
(2015 Grade 8)									dropped.
					0.65.07	VH142383	N/A	D	To keep student
 In addition to your eighth-grade studen 						g to engage			burden low and
eignin-graue stituen	na m reamili	ig science: sei	one circ	ac in cath fo					add new conten
		Not at	all 1	-2 times per year	3 or more per ye				consistent with
a. Science fairs		0		Ф	© ©	VH142283			prior
b. Science competitions		0		0	0	VH) 42184			•
 Science-related field (including museums, 	200s,	1.2	. 1			VH142285			development for
aquariums, science co	enters, and	Φ		Ф	0	*11142285			other subjects
		•			*				(2017 Math,
(2015 Grade 8)									Reading,
									Writing), this
									item was
									dropped.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
12. In your eighth-grade cl resources to do each of				or other	technologic	veorsors	12. In your eighth-grade class, digital device to do each o	how often do the following	your students activities? Se	use a con lect one c	nputer or ot circle in each	her 1 row.	AHTALISEL	R	The following revisions were
	Never of hardly ev	Once or to		vice al	very day or most every day			Never or hardly ever	Once or to		ce or twice a week	Every day or almost every day			made: (1) "technological
Conduct a search for science information	0	0	0		Ф	VC076080	Conduct a search for science information	•	00		0	Φ	VH241282		resources" was
b. Simulate a physical or biological process or see how something works (i example, how planets or the sun, how gas expand	or 💿	0	0		0	VC976081	 Simulate a physical or biological process or see how something works (e.g., how planets orbit the Sun or how gas expands) 	0	Ф		9	0	VH2A128a		changed to "digital device" to align with
c. Make a chart or graph the shows results of science projects	at	0	0		0	VC976084	Make a chart or graph that shows results of a science project	Ø	0		0	Φ	VH241283		other item development,
. How many students are	in this class? Er	ter the numb	r of students.			V36960E	2. How many students are in t						VH26116()	NC	revised based of editorial review
2017 Grade 8)				100 (2000)		\H639665	Issue: Resources for	Learning	g and Ins	tructi	on		VH704560	-	T. C.II. :
. In a typical week, how n in this class? Write in th			ng science to th	studen	ts		3. In a typical week, how mucin this class? Write in the hours and	ours and minu	tes.	g science	to the stud	ents	7110-000	R	The following revision was made: " hou
(2017 Grade 8)						780903	Issue: Resources for	· Learning	g and Ins	tructi	on				and minute: per week" was added to align with similar items in other subjects (2017 Math, Reading Writing).
3. In this class, about hor science? Select one cir	cle in each row.	form Books I	Loui	e a bit	A lot of	VB090	In this class, about how m science? Select one circle	in each row.	Port.		following ar		V18639433	NC	
	No time	time 5	of of	ime	time	¥11639434		to time	time 50	ne time	of time	time			
a Life eciones	0	(D)		3 0	0	V54636436	Life science Earth and space	0	00	0	0	Φ	VH639434 VH639436		
a. Life science b. Earth and space		-					science	0	00	0	0	0	V11639436		1
	0	0	0	D	Φ	VH639435	c. Physical science	0	Φ.	0	0	0	VH639435		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
About how often do you in each row.	our science s	tudents do each	of the follow	ring? Select on	e circle	VB6908	About how often do yo one circle in each row.	our science s	tudents do eac	h of the follow	ving activities	? Select	VH639596	R	The following
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	(1)		revisions were made: (1)
Work with other students on a science activity or project	0	Φ	0	0	Ф	V18639589	Work with other students on a science activity or project	®	Φ	0	Φ	Θ	VH639589		"activities" wa
b. Write about science (e.g., papers, reports, science journals)	0	0	0	0	Φ	15610600	b. Write about science (e.g., papers, reports, or student science	9	Ф	0	Φ	0	VH689600		stem to impro
c. Watch a science teacher do a science activity	0	Φ	0	0	Φ	ATHARAGE	journals) c. Watch you do a science activity	®	Φ	0	Φ	Φ	VH639856		translatability, and (2) subiter
d. Do hands-on investigations in science class	0	®	0	0	Ф	V246305.88	d. Talk about the measurements and results from their hands-on activities	0	Φ	0	0	θ	VH639594		"b", "c", "d", a
e. Talk about the measurements and results from students' hands-on activities	Θ	Φ.	0	0	Ф	¥1639394	e. Discuss the kinds of problems that engineers can solve								"e" were revis
f. Discuss the kinds of problems that engineers can solve	•	(D)	0	0	Ф	V31639597	(e.g., how to build a bridge or how to collect energy from the Sun)	@	Φ.	0	•	0	VH639597		stakeholder feedback and
g. Figure out different ways to solve a science problem	9	0	0	6	Φ	V1639846	f. Figure out different ways to solve a science problem	®	Φ	0	Φ	θ	VH639846		cognitive
h. Present what they have learned about science	0	0	0	0	Ф	¥14639593	g. Present what they have learned about science	@	Φ	0	•	θ	VH639593		interview stud

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
5. Thinking about your e you place on teaching row.	ighth grade so your student	cience class the s each of the f	is year, how r ollowing? Sel	nuch emphasis ect one circle i	s did in each	VH641051	Thinking about your se teaching your students	cience class t each of the f	his year, how i ollowing skills	much emphas s? Select one	sis did you plac circle in each re	e on ow.	V11640891	R	The following revisions were
	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis			No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis			made: (1) "eighth grade"
Develop good research questions for use as the basis of research	©	Ф	0	Ф	Ф	VH611056	a. Developing good research questions b. Using drawings or	0	Φ	0	0	Ð	VH640901		was removed
b. Use labeled drawings or models to explain events or phenomena	00	Ф	0	0	Φ	VH611061	models to explain events or phenomena c. Coming up with	0	Ф	0	Φ	Ð	VH640901		from the item stem to allow f
c. Come up with and use tests to answer a scientific question		7.1					experiments or other tests to answer a scientific question	0	Ф	0	Φ	Φ	VH640903		cross-grade us (2) "skills" was
about how one variable influences another	0	Φ	0	0	Ð	VH641064	d. Organizing data into a chart, graph, or spreadsheet to test a	0	0	0	0	(D)	VH640906		added to the
d. Organizing data in graphical displays to derive meaning or test a solution using	0	Ф	9	0	Ф	VH611065	solution e. Deciding when to use quantitative versus qualitative data	®	00	0	Φ	Φ	VH640907		stem to improve translatability, and (3) subiter
reasoning, basic statistics, and probability				100			f. Generating explanations based on observations and	•	0	0	•	0	VH640908		"a", "b", "c", "c
e. Use mathematical representations to explain or support scientific conclusions	0	0	0	0	0	VH641067	measurements g. Evaluating the quality of data	•	Φ	0	0	©	VH640909		"e", "f", "g", ar "h" were revise
f. Generate explanations based on scientific ideas, models, and measurements	®	00	0	0	Φ	VH641068	h. Teaching science ideas to others (e.g., students or teachers)	Ø	Φ	0	Φ	Ф	γH640911		based on stakeholder
g. Use scientific reasoning and evaluating evidence to compare and critique arguments	0	Ф	0	Φ	(D)	VH641069	Issue: Organization	n of Ins	truction						feedback and cognitive interview stud
h. Collect information about science topics from both text and tables or graphs in order to convey the ideas to others	Φ	Ф	0	Φ	Θ	VH5a1@70									results.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	8. In your science class this year, how much emphasis have you devoted to teaching your students each of the following skills? Select one circle in each row.							D/A/ R/NC+	Rationale The following revisions were						
6. In your science class t students each of the fo															
	No or almost no time	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time			No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	7.2.1		made: (1) "time was changed to "emphasis" to align wording with other item (2) "skills" was added to the stem to improve translatability, (3) subitems "b' "e", "g" and "i" were dropped t keep student burden low and add new conter consistent with
a. Make observations of natural phenomena (e.g., making	00	a	0	Φ	Φ	VH641163	Making observations of natural phenomena (e.g., making measurements)	8	Ф	©	Φ	Θ	VH641163		
b. Use models to demonstrate relationships among science principles	0	Ф	0	0	Φ	VH641164	 Making predictions based on prior experimental observations 	0	Ф	Φ	Ф	θ	VH641166		
c. Make predictions based on prior experimental observations	0	OD	0	0	Ф	VH641166	c. Creating models of scientific principles (e.g., a graphic, manipulative, or demonstration that	•	©	0	•	Φ	VH641167		
d. Create models of scientific principles, (e.g., a graphic, manipulative, or demonstration that illustrates the principle)	•	Œ.	0	0	Φ	VH641167	illustrates the principle) d. Reading data in tables or charts to draw conclusions about hypotheses	©	Φ	0	©	Θ	YH641 (60.		
Design experimental procedures to investigate a particular question	0	a)	0	0	Ф	VH641168	e. Deciding which tools would be most appropriate to gather data	0	00	Ø	Φ	Θ	VH641172		
f. Read data in tables or charts, to draw conclusions	0	Φ.	0	0	Φ	VH641169	f. Designing and testing a solution to a problem	0	Ф	©	Φ	Θ	VH64) 174		
g. Substantiate a conclusion by using empirical evidence	•	Ф	0	0	Φ	VH641170	Issue: Organizati	on of In	structior	า					previous development fo
h. Decide which tools would be most appropriate to gather data	0	OD	0	0	Ф	VH641172									other subjects (2017 Math,
Evaluate the strengths and weaknesses of a solution to a problem	0	Ф	0	0	Φ	VH641173									Reading, Writing), (4)
j. Predict possible negative consequences of a proposed solution to a problem	0	Ф	0	Φ	Φ	VH641174									subitems "f" wa
2017 Grade 8)															editorial review and (5) "j" was revised based o stakeholder feedback.

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Previous item						2018 item							D/A/ R/NC+	Rationale
7. In this school year, did you activities? Select one answ	ir school offer ver choice in ea	any of the follo ach row	wing suppleme	ental	VH641332	17. In this school year, did activities? Select one ar	your school of nswer choice is	ffer any of the n each row.	following sup	plemental		VH641332	R	The following revisions were
		Ye	s	No					Yes	N	io			made: (1)
 a. Opportunities for students t scientific research 	o participate i	0		Φ	VH641334	Opportunities for studen together to solve problen	ns in their		0		D	VH641334		Subitem "b" w
b. Science clubs		0	la de la companya de	00	VH6(1336	b. Opportunities for studen						1 4 4 4		dropped to ke
c. Opportunities for students to collective science activities endangered species, or nurtu of a live animal in the classr	(e.g., adopt an ire the growth		4.1	Ф	VH641338	group science activities c. Opportunities for studen instruments (e.g., thermo	its to use scien		Ø		D	VH641338		student burde
d. Opportunities for students to instruments		c ©		0	VH641339	microscopes, or telescope d. Opportunities for studen	es)	tein	0		D	VIISALAJY		content, (2)
e. Opportunities for students t science outreach programs (partnerships with colleges, r	e.g.,	n ©		00	VH64(341	science outreach program partnerships with college foundations)	ns (e.g.,	200	•	C	D	VH641341		subitems "a" a "c" were revise
2017 Grade 8)			·			Issue: Resources	for Lear	ning and	instruc	tion				based on stakeholder feedback, and (3) subitem "d' was revised to
2017 Grade 8)											VISITO			stakeholder feedback, and (3) subitem "d was revised to create consistency across items.
2017 Grade 8) 8. To what extent do you use e instruction? Select one circle		wing technologi	ical resources fo	r science	17541,596	Issue: Resources 13. To what extent do you use instruction? Select one circ	each of the follo				VIB4136		R	stakeholder feedback, and (3) subitem "d was revised to create consistency across items. The following
8. To what extent do you use e		wing technologi	Moderate extent	r science Large extent	179-4128	13. To what extent do you use	each of the follo				VIRALINA		R	stakeholder feedback, and (3) subitem "d was revised to create consistency across items.
8. To what extent do you use e instruction? Select one circle a. Desktop or laptop computer(s) (including	e in each row.		Moderate		V78641205	To what extent do you use instruction? Select one circ Desktop or laptop computer(s) (including Chromebooks)	each of the follo	wing technologi	ical resources fe	or science	Y1841X6		R	stakeholder feedback, and (3) subitem "d was revised to create consistency across items. The following revision was made: Subiten "c" and "d" we
8. To what extent do you use e instruction? Select one circl a. Desktop or laptop	e in each row.	Small extent	Moderate extent	Large extent		a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire)	each of the follo le in each row. Not at all	wing technologi Small extent	ical resources fe Moderate extent	r science Large extent	V1841306 V1841307 V1841308		R	stakeholder feedback, and (3) subitem "d was revised to create consistency across items. The following revision was made: Subiter "c" and "d" we revised based
8. To what extent do you use e instruction? Select one circl 1. Desktop or laptop computer(s) (including Chromebooks) 1. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) 2. Online content (e.g., online software, podcasts, or	Not at all	Small extent	Moderate extent	Large extent	V18641.507	a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podcasts, or videos)	each of the follocle in each row. Not at all	wing technologi Small extent	Moderate extent	or science Large extent	V1841306 V38641307 V38641308 V38641300		R	stakeholder feedback, and (3) subitem "c was revised to create consistency across items. The following revision was made: Subiter "c" and "d" we revised based cognitive interview
8. To what extent do you use e instruction? Select one circl a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online)	Not at all	Small extent	Moderate extent ©	Large extent	V18641.807 V18641.508	a. Desktop or laptop computer(s) (including Chromebooks) b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire) c. Online content (e.g., online software, podesats, or	each of the follote in each row. Not at all	wing technologi Small extent	Moderate extent ©	Large extent	VH641307 VH641308		R	stakeholder feedback, and (3) subitem "d was revised to create consistency across items. The following revision was made: Subiter "c" and "d" we revised based cognitive

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

					•		Grade 8 Scie	nce Te	achei	r						
Previous item							2018 item								D/A/ R/NC+	Rationale
Suppose your students think each of the follo row.	s did very wel owing explana	l on their last tions is in this	science test. I s situation? Se	How likely do lect one circle	you in each	VHHIDIC	 Suppose your student think each of the follo row. 	s did very wel wing explana	on their last tions is in this	science test. I s situation? Se	How likely do lect one circle	you in each	VH641262		NC	
	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	Tail		Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely				
My students did well because they studied and were prepared.	0	Ф	0	0	Ф	VH641273	 My students did well because they studied and were prepared. 	۵	00	ø	0	Φ	VH641273			
My students did well because they put in a lot of effort.	Ø	Ф	0	0	Φ	VH641276	 b. My students did well because they put in a lot of effort. 	0	Ф	0	0	Θ	VH641276			
c. My students did well because they always do well on tests.	0	Ф	0	0	Φ	VH641277	 My students did well because they always do well on tests. 	0	Φ	0	Φ	0	VH641377			
d. My students did well because I taught the concepts well.	Ø	Ф	0	Φ	Φ	VH641279	d. My students did well because I taught the concepts well.	0	Φ	0	0	Θ	VH641279			
e. My students did well because they guessed well on the test.	⊗	0	0	0	Φ	VH641281	 My students did well because they guessed well on the test. 	0	Φ	0	0	θ	VH641281			
f. My students did well because they are just good at science.	Ø	00	0	0	Ф	VH641234	 My students did well because they are just good in science. 	⊗	0	0	0	θ	VH641284			
(2017 Grade 8)						·	Issue: Teacher	Prepara	ation							
12. How often do you m and evaluate their pr			i-one to give	feedback on	their work	VH619626	14. In this school year, I feedback on their wo					o give		V16639626	R	The following revision was
Never or hardly of	ever						 Never or hardly 	ever								made: "In this
A few times a ye.	ar						A few times a ye	ar								school year" was
Once or twice a	month						Once or twice a	month								added to create
Once or twice a	week						Once or twice a	week								consistency
Every day or alm	ost every da	у					© Every day or alm	ost every da	у							across items.
(2017 Grade 8)							Issue: Organiza	ition of	Instruc	tion						across items.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
10. To what extent do you e science to your eighth-gr	mphasize eac ade class? Se	h of the foll- lect one circ	owing objecti le in each rov	ves in teachir v.	g	VH24(29)	10. To what extent do you emphasize each of the following objectives in teaching science to your eighth-grade class? Select one circle in each row.						R	The following revisions were	
	Not at a	all Smal	l extent	Moderate extent	Large extent			Not at all	Small	extent	Moderate extent	Large extent	J. F		made: (1)
 Increase students' interest in science 	0		OD .	0	0	VH24)262	Increasing students' interest in science	0		00	0	0	VH241262		Subitems "c", "d", "f", "g", "h
 Increase awareness of the importance of science in daily life 	0		(D)	0	0	VH24)263	b. Increasing awareness of the importance of science in daily life	0		00	0	0	VH241263		and "I" were
 Learn about applications of science to environmental issues 	f o		00	0	0	VH241259	c. Teaching the iterative process of scientific inquiry	0	Ше	0	0	0	VH639689		dropped to kee
d. Teach scientific facts and principles to build foundational knowledge	0		6	0	0	VH639687	d. Teaching the iterative process of scientific practice	0		00	0	•	VH748071		low and add no content, and (2
e. Teach the iterative process of scientific inquiry and	0		O D	0	0	VH639689	e. Developing problem-solving skills	0	1	00	0	0	VH2A1257	1267	subitem "e" wa
practices f. Provide students with the							f. Developing scientific writing skills	0	1	OD .	0	Φ	VH241260		revised based of
knowledge and skills needed to prepare for uppe grade level science course	r ©		Φ	0	0	VH639690	Issue: Organization	of Instru	ction	ŧ.					editorial reviev
g. Develop skills to ask questions based on observations	۵		00	0	Ф	VH639692									
h. Develop inquiry skills	0		0	0	0	VH243254									
 Develop skills in lab techniques 	@		00	0	0	VH241256									
j. Develop problem-solving skills	0		a	0	0	VH241257									
 Develop scientific writing skills 	0		Φ	0	0	VH241260									
2017 Grade 8) 13. How often do you do eac their progress in science!	Select one ci			About once	Every day or	4H699k31	15. In this school year, how of individual students to eval	uate their pro	gress in sci	About once	About once	Every day or	V0679633	R	The following revisions were made: (1) "In
	Never	year	month	or twice a week	every day			Never or	twice a year	or twice a month	or twice a week	almost every day			this school yea
Regularly discuss each student's current level of performance with them	0	Φ	0	Φ	Φ	VH639634	Regularly discuss each student's current level of performance with them	®	OD:	0	Ф	©	VH639634		was added to create
b. Set goals for specific	0	00	0	Φ	Ф	VH639635	b. Set goals for specific progress the student would like to make	®	00	0	Φ	©	V18639635		consistency across items,
progress the student would like to make		®	0	0	Φ	VH639636	c. Discuss progress the student has made toward goals previously set	•	Ф	0	0	Ф	VH639636		and (2) subiten
progress the student	0					-									u

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
11. To what extent are the follo (including your school and	owing resource school district	s available to you)? Select one circle	in your school e in each row.	system	VH699520	11. To what extent are the follo (including your school and	wing resource school district	s available to you)? Select one circl	in your school e in each row.	system	V1#630530	R	The following revisions were
	Not at all	Small extent	Moderate extent	Large extent	:8		Not at all	Small extent	Moderate extent	Large extent			made: (1)
Science textbooks (including digital forms, such as online textbooks)	0	Ф	0	0	VH639521	Science textbooks (print or online)	•	Ф	0	0	VH63952.1		Example content for subitems "a"
b. Science magazines and books (including digital						 Science magazines and books (print or online) 	0	Φ	0	0	VH639522		and "b" was
forms, such as online magazines and books)	0	OD.	0	0	VH630522	c. Supplies or equipment for science labs or demonstrations	0	Ф	0	0	VH639523		changed to align
c. Supplies or equipment for science demonstrations	0	Φ	0	0	VH639523	d. Space to conduct science	•	Ф	0	0	VH639525		wording with other
d. Supplies or equipment for science labs	00	00	0	0	VH630524	e. Computers for students'	0	Ф	0	•	VH639512		development, (
e. Space to conduct science labs	0	Ф	0	0	VH639525	use in class f. Computer labs	0	Φ	0	Φ	VH639527		subitems "c" an
f. Computers for students' use in class	0	Φ	0	0	VH639532	g. Computers for teachers' use	0	Φ.	0	0	VH639528		"d" were
g. Computer labs	@	00	0	Ф	VH639527	h. Science kits	0	OD .	0	0	VH639531		combined to
h. Computers for teachers' use	®	0	0	0	VH639528	 Scientific measurement instruments (e.g., 							reduce burden,
 Computerized science labs for classroom use 	0	Ф	0	Φ	VH639529	microscopes, thermometers, beakers, or	•	Ф	0	0	VH639526		(3) subitems "I"
j. Audiovisual materials	0	Φ	0	•	VH639530	weighing scales)							and "j" were
k. Science kits	@	(D)	0	Φ	VH639531	Issue: Resources for	Learning	and Instru	ction				dropped to
Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing	0	Ф	0	0	VH639526								reduce burden, and (4) example
scales)													content in
2017 Grade 8)													
·													subitem "I" was
													revised to creat
													consistency
													across item
													wording.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-2f: Pilot Grade 4 Science (COI)

		VH240113
1.	Which best describes your role in teaching science to this class? Select one circle.	
	① I do not teach science to this class.	
	I teach all or most subjects, including science.	
	The only subject I teach is science.	
	We team teach, and I have primary responsibility for teaching science.	
		VH261160
2.	How many students are in this class? Enter the number of students.	
2	To a serial consist have seen being do not consider a single state of the seed on to	VH704560
э.	In a typical week, how much time do you spend teaching science to the students in this class? Write in the hours and minutes.	
	hours and minutes per week	

4	And actual dentes againment to this along has achieve and level?	VH240114
4.	Are students assigned to this class by achievement level?	
	♠ Yes	
	® No	

VH241164

5. How often do you use each of the following methods to assess student progress in science? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Multiple-choice tests	A	®	0	0	VH241165
b. Short written responses (e.g., a phrase or sentence)	(A)	®	0	0	VH241166
c. Long written responses (e.g., several sentences or paragraphs)	(A)	®	©	0	VH241169
d. Performance-based assessments	(A)	®	0	0	VH241168
e. Group projects	(A)	®	0	0	VH241167

VH639433

6. In this class, about how much time do you spend on each of the following areas of science? Select **one** circle in each row.

No time

(A)

A

A

(A)

a. Life science

science

b. Earth and space

c. Physical science

d. Engineering and

technology

Very little

time

B

B

B

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VH639437

2

Some time

0

0

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0

Quite a bit

of time

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VH639586

7. About how often do your science students do each of the following activities? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Work with other students on a science activity or project	(A)	®	0	0	©.	VH639589
b.	Write about science (e.g., papers, reports, or student science journals)	(4)	®	0	0	©	VH639600
c.	Watch you do a science activity	A	B	0	0	Œ	VH639856
d.	Talk about the measurements and results from their hands-on activities	0	®	0	0	©.	VH639594
e.	Discuss the kinds of problems that engineers can solve (e.g., how to build a bridge or how to collect energy from the Sun)	(4)	®	0	Φ	©.	VH639597
f.	Figure out different ways to solve a science problem	(A)	®	0	0	Œ	VH639846
g.	Present what they have learned about science	(A)	®	0	0	Œ	VH639593

VH641162

8. In your science class this year, how much emphasis have you devoted to teaching your students each of the following skills? Select **one** circle in each row.

		No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a.	Making observations of natural phenomena (e.g., making measurements)	®	®	0	•	©	VH641163
b.	Making predictions based on prior experimental observations	®	®	0	Θ	Œ	VH641166
c.	Creating models of scientific principles (e.g., a graphic, manipulative, or demonstration that illustrates the principle)	(4)	®	0	Θ	©	VH641167
d.	Reading data in tables or charts to draw conclusions about hypotheses	®	®	0	Φ	©.	VH641169
e.	Deciding which tools would be most appropriate to gather data	®	®	0	0	©.	VH641172
f.	Designing and testing a solution to a problem	(A)	ß	0	0	©.	VH641174

VH640891

9. Thinking about your science class this year, how much emphasis did you place on teaching your students each of the following skills? Select **one** circle in each row.

		No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a.	Developing good research questions	(A)	®	0	0	Œ	VH640901
b.	Using drawings or models to explain events or phenomena	(A)	®	0	0	Œ	VH640902
c.	Coming up with experiments or other tests to answer a scientific question	®	®	0	Θ	©	VH640903
d.	Organizing data into a chart, graph, or spreadsheet to test a solution	(®	0	Θ	<u>(</u>	VH640906
e.	Deciding when to use quantitative versus qualitative data	(A)	®	0	0	Œ	VH640907
f.	Generating explanations based on observations and measurements	(A)	®	0	0	(i)	VH640908
g.	Evaluating the quality of data	(A)	®	0	0	Œ	VH640909
h.	Teaching science ideas to others (e.g., students or teachers)	(A)	®	0	0	Œ	VH640911

VH241190

10. To what extent do you emphasize each of the following objectives in teaching science to your fourth-grade class? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Increasing students' interest in science	A	®	0	0	VH241202
b.	Increasing awareness of the importance of science in daily life	(A)	®	0	0	VH241203
c.	Teaching the iterative process of scientific inquiry	A	®	0	0	VH639755
d.	Teaching the iterative process of scientific practice	(A)	®	0	0	VH748077
e.	Developing problem-solving skills	A	®	0	0	VH241197
f.	Developing scientific writing skills	(A)	®	0	0	VH241200

VH639520

11. To what extent are the following resources available to you in your school system (including your school and school district)? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
	Science textbooks (print or online)	A	B	0	0	VH639521
b.	Science magazines and books (print or online)	A	B	0	0	VH639522
	Supplies or equipment for science labs or demonstrations	®	®	0	0	VH639523
	Space to conduct science labs	A	®	0	0	VH639525
	Computers for students' use in class	A	®	0	0	VH639532
f.	Computer labs	A	®	©	0	VH639527
1~	Computers for teachers' use	A	®	0	0	VH639528
h.	Science kits	A	®	0	0	VH639531
	Scientific measurement instruments (e.g., microscopes, thermometers, beakers, or weighing scales)	®	®	0	(1)	VH639526

7

VH641306

12. To what extent do you use each of the following technological resources **for science instruction**? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Desktop or laptop computer(s) (including Chromebooks)	®	®	0	0	VH641307
b.	Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire)	A	®	0	0	VH641308
c.	Online content (e.g., online software, podcasts, or videos)	(A)	®	0	0	VH641309
d.	Interactive web spaces or virtual classrooms (e.g., websites where students can interact and share class materials)	®	®	0	0	VH641310
e.	Smart board(s)	(A)	®	0	0	VH641311

8

VH639626

- **13.** In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?
 - Never or hardly ever
 - A few times a year
 - Once or twice a month
 - Once or twice a week
 - © Every day or almost every day

VH639633

14. In this school year, how often do you do each of the following activities with individual students to evaluate their progress in science? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Regularly discuss each student's current level of performance with them	(9)	®	0	0	©.	VH639634
b.	Set goals for specific progress the student would like to make	(9)	®	0	0	©	VH639635
c.	Discuss progress the student has made toward goals previously set	(9)	®	0	0	©.	VH639636
d.	Determine how to adjust your teaching strategies to meet the student's current learning needs	0	®	0	0	©.	VH639637

9

VH641262

15. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

		Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a.	My students did well because they studied and were prepared.	(A)	®	0	0	Œ	VH641273
b.	My students did well because they put in a lot of effort.	(9)	®	0	0	©	VH641276
c.	My students did well because they always do well on tests.	(9)	®	0	0	Œ	VH641277
d.	My students did well because I taught the concepts well.	(4)	®	0	0	Œ	VH641279
e.	My students did well because they guessed well on the test.	(4)	®	0	0	Œ	VH641281
f.	My students did well because they are just good in science.	(A)	ß	O	0	©.	VH641284

16. In this school year, did your school offer any of the following supplemental activities? Select **one** answer choice in each row.

VH641332

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	®	®	VH641334
b. Opportunities for students to engage in group science activities	(4)	®	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	(4)	®	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	(4)	®	VH641341

Appendix I-2g: Pilot Grade 8 Science (COI)

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

		VH240113
1.	Which best describes your role in teaching science to this class? Select one circle.	
	I do not teach science to this class.	
	I teach all or most subjects, including science.	
	The only subject I teach is science.	
	We team teach, and I have primary responsibility for teaching science.	
2.	How many students are in this class? Enter the number of students.	VH261160
		VH704560
3.	In a typical week, how much time do you spend teaching science to the students in this class? Write in the hours and minutes.	V11704500
	hours and minutes per week	
4.	Are students assigned to this class by achievement level? ① Yes ① No	VH240114

VH241164

5. How often do you use each of the following methods to assess student progress in science? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Multiple-choice tests	A	®	0	0	VH241165
b. Short written responses (e.g., a phrase or sentence)	(A)	®	0	0	VH241166
c. Long written responses (e.g., several sentences or paragraphs)	(A)	®	0	0	VH241169
d. Performance-based assessments	(A)	®	0	0	VH241168
e. Group projects	(A)	®	©	0	VH241167

VH639433

6. In this class, about how much time do you spend on each of the following areas of science? Select **one** circle in each row.

No time

a. Life science

Very little

time

A lot of time VH639434 Œ

Quite a bit

of time

a.	Life science	A	®	0	0	Œ	VH639434
	Earth and space science	(A)	B	0	0	Œ	VH639436
c.	Physical science	A	®	0	0	Œ	VH639435
d.	Engineering and technology	A	®	0	0	Œ	VH639437

Some time

VH639586

7. About how often do your science students do each of the following activities? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Work with other students on a science activity or project	(A)	®	0	0	©.	VH639589
b.	Write about science (e.g., papers, reports, or student science journals)	(4)	®	0	0	©	VH639600
c.	Watch you do a science activity	A	B	0	•	Œ	VH639856
d.	Talk about the measurements and results from their hands-on activities	0	®	0	0	©.	VH639594
e.	Discuss the kinds of problems that engineers can solve (e.g., how to build a bridge or how to collect energy from the Sun)	(4)	®	0	Φ	©.	VH639597
f.	Figure out different ways to solve a science problem	(A)	®	0	0	Œ	VH639846
g.	Present what they have learned about science	(A)	®	0	0	Œ	VH639593

VH641162

8. In your science class this year, how much emphasis have you devoted to teaching your students each of the following skills? Select **one** circle in each row.

		No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a.	Making observations of natural phenomena (e.g., making measurements)	®	®	0	•	©	VH641163
b.	Making predictions based on prior experimental observations	(ß	0	0	©	VH641166
c.	Creating models of scientific principles (e.g., a graphic, manipulative, or demonstration that illustrates the principle)	(4)	®	0	Θ	©	VH641167
d.	Reading data in tables or charts to draw conclusions about hypotheses	®	®	0	•	©	VH641169
e.	Deciding which tools would be most appropriate to gather data	®	®	0	0	©.	VH641172
f.	Designing and testing a solution to a problem	(A)	®	0	0	Œ	VH641174

VH640891

9. Thinking about your science class this year, how much emphasis did you place on teaching your students each of the following skills? Select **one** circle in each row.

		No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a.	Developing good research questions	(A)	®	0	0	Œ	VH640901
b.	Using drawings or models to explain events or phenomena	(A)	®	0	0	Œ	VH640902
c.	Coming up with experiments or other tests to answer a scientific question	®	®	0	Θ	©	VH640903
d.	Organizing data into a chart, graph, or spreadsheet to test a solution	(®	0	Θ	<u>(</u>	VH640906
e.	Deciding when to use quantitative versus qualitative data	(A)	®	0	0	Œ	VH640907
f.	Generating explanations based on observations and measurements	(A)	®	0	0	(i)	VH640908
g.	Evaluating the quality of data	(A)	®	0	0	Œ	VH640909
h.	Teaching science ideas to others (e.g., students or teachers)	(A)	®	0	0	Œ	VH640911

VH241250

10. To what extent do you emphasize each of the following objectives in teaching science to your eighth-grade class? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Increasing students' interest in science	(A)	®	0	0	VH241262
b. Increasing awareness of the importance of science in daily life	(A)	®	0	0	VH241263
c. Teaching the iterative process of scientific inquiry	(A)	®	0	0	VH639689
d. Teaching the iterative process of scientific practice	(A)	®	0	0	VH748071
e. Developing problem-solving skills	(A)	®	0	0	VH241257
f. Developing scientific writing skills	(A)	®	0	0	VH241260

6

VH639520

11. To what extent are the following resources available to you in your school system (including your school and school district)? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a. Science tex online)	tbooks (print or	A	®	0	0	VH639521
b. Science ma books (prin	gazines and t or online)	A	®	0	0	VH639522
c. Supplies or science laborated demonstrate		®	®	0	0	VH639523
d. Space to co labs	nduct science	(A)	®	0	0	VH639525
e. Computers use in class		(A)	®	0	0	VH639532
f. Computer	labs	(A)	®	0	0	VH639527
g. Computers use	for teachers'	A	®	0	0	VH639528
h. Science kit	S	(A)	®	0	0	VH639531
instrument microscope	es, ers, beakers, or	®	(B)	0	(1)	VH639526

VH241281

12. In your eighth-grade class, how often do your students use a computer or other digital device to do each of the following activities? Select **one** circle in each row.

		Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a.	Conduct a search for science information	A	®	0	0	VH241282
b.	Simulate a physical or biological process or see how something works (e.g., how planets orbit the Sun or how gas expands)	(A)	®	0	Θ	VH241284
c.	Make a chart or graph that shows results of a science project	(A)	(8)	0	0	VH241283

VH641306

13. To what extent do you use each of the following technological resources **for science instruction**? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop or laptop computer(s) (including Chromebooks)	(A)	®	0	0	VH641307
b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire)	(A)	®	0	0	VH641308
c. Online content (e.g., online software, podcasts, or videos)	(A)	®	0	0	VH641309
d. Interactive web spaces or virtual classrooms (e.g., websites where students can interact and share class materials)	®	®	0	0	VH641310
e. Smart board(s)	(A)	®	0	0	VH641311

V	u	6	2	O	6	7	6

- **14.** In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?
 - Never or hardly ever
 - A few times a year
 - Once or twice a month
 - Once or twice a week
 - © Every day or almost every day

15. In this school year, how often do you do each of the following activities with individual students to evaluate their progress in science? Select **one** circle in each row.

VH639633

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Regularly discuss each student's current level of performance with them	®	®	©	0	©	VH639634
b.	Set goals for specific progress the student would like to make	(A)	®	0	0	©	VH639635
c.	Discuss progress the student has made toward goals previously set	®	®	0	0	©	VH639636
d.	Determine how to adjust your teaching strategies to meet the student's current learning needs	®	®	0	0	©.	VH639637

9

VH641262

16. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

		Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a.	My students did well because they studied and were prepared.	(A)	®	0	0	©	VH641273
b.	My students did well because they put in a lot of effort.	(A)	®	0	0	©	VH641276
c.	My students did well because they always do well on tests.	(A)	®	0	0	©	VH641277
d.	My students did well because I taught the concepts well.	(A)	®	0	0	©	VH641279
e.	My students did well because they guessed well on the test.	(4)	®	0	0	©	VH641281
f.	My students did well because they are just good in science.	(A)	®	0	0	©	VH641284

17. In this school year, did your school offer any of the following supplemental activities? Select **one** answer choice in each row.

VH641332

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	®	®	VH641334
b. Opportunities for students to engage in group science activities	(4)	®	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	(4)	®	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	(4)	®	VH641341

Appendix I-2h: Summary of Revisions 2018 Grade 8 Social Studies

Previous item	2018 item	D/A/ R/NC+	Rationale
3. Which best describes your role in teaching social studies to this class? Select all that apply. ① I teach all or most subjects, including social studies. ① The only subject I teach is social studies. ② We team teach, and I have primary responsibility for teaching social studies. ① I have primary responsibility for teaching civics and/or United States government. ① I have primary responsibility for teaching geography. ② I have primary responsibility for teaching United States history. (2017 Grade 8)	1. Which best describes your role in teaching social studies to this class? Select all that apply. ② I teach all or most subjects, including social studies. ③ The only subject I teach is social studies. ③ We team teach, and I have primary responsibility for teaching social studies. ⑤ I have primary responsibility for teaching civics and/or United States government. ⑤ I have primary responsibility for teaching geography. ⑥ I have primary responsibility for teaching United States history.	NC	N/A
2. How many students are in this class? Enter the number of students. If you teach more than one eighth-grade social studies class, please enter the number of students in the class you are using as the basis for answering this survey.	Issue: Resources for Learning and Instruction VIDENSECT 2. How many students are in this class? Enter the number of students. If you teach more than one eighth-grade social studies class, please enter the number of students in the class you are using as the basis for answering this survey.	NC	N/A
4. In a typical week, about how much time in total do you spend with this class on social studies instruction? hours and minutes per week	Issue: Resources for Learning and Instruction 3. In a typical week, about how much time in total do you spend with this class on social studies instruction? hours and minutes per week	NC	N/A
(2017 Grade 8)	Issue: Resources for Learning and Instruction		
1. Which best describes how social studies instruction in your school is organized? ② Social studies is taught primarily as a discrete subject with little or no integration with instruction in other subjects. ③ Some social studies instruction is integrated with other subjects, and some social studies instruction is presented as a discrete subject. ③ Social studies lessons are primarily integrated with instruction in other subjects.	4. Which best describes how social studies instruction in your school is organized? Social studies is taught primarily as a discrete subject with little or no integration with instruction in other subjects. Some social studies instruction is integrated with other subjects, and some social studies instruction is presented as a discrete subject. Social studies lessons are primarily integrated with instruction in other subjects.	NC	N/A
(2017 Grade 8)	Issue: Organization of Instruction		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

5. During what percentage of st primary focus on each of the None a. Civics and/or United States government b. Geography & C. United States history d. Other social studies subject (Please specify):	e following sul	11–40% © ©			More than 90%	VH493388	During what percentag primary focus on each							VII493388	NC	N/A
a. Civics and/or United States government b. Geography c. United States history d. Other social studies subject	0	0 0	0		More than 90%	1		т т								
United States government b. Geography c. United States history d. Other social studies subject	(0		_D				None	1-10%	11-40%	41-60%	61-90%	More than 90%			
c. United States history d. Other social studies subject	•	0	0		Ф	V#1493389	a. Civics and/or United States	®	(D)	0	0	Œ	Ð	VH493389		
history d. Other social studies subject		7.71		Ð	Ð	VH493390	government	-						VH493390		
d. Other social studies subject	•	1 7 71	0	0	0	VH493391	b. Geography c. United States	0	(D)	0	0	0	Ф	VH496390		
(Please specify):	Ф		11,57		11.21		history d. Other social	0	(D)	0	0	Φ	Ф	VI(493391		
		0	0	0	•	VH498392	studies subject (Please specify):	0	Œ.	0	•	Φ	Ð	VH493392		
Have students read	lever or t	wice a or		About once or twice a week	Every day o almost every day	VH493504	a. Have students read	Nev	er or t	wice a o	bout once r twice a month	About once or twice a week	Every day o almost every day	r		that 71% of teachers responded
studies textbook b. Have students read							material from a social studies textbook	0		(D)	0	0	Θ	VH493504		"Every day or
(e.g., newspapers, magazines, or online sources)	•	D	©	Φ	Φ	V21493506	b. Have students read extra material about social studies not in the regular textbook (e.g., newspapers, magazines, or online	۵		Φ	0	0	Θ	VH493506		almost every day."
c. Discuss material about social studies with students	0	Φ	0	Ф	Φ	VH493507	sources) c. Have students conduct	t		-	-	-				Revisions wer
d. Have students conduct research about social	0	0	0	0	Ф	VH493509	research about social studies topics (e.g., online, in a library, or through interviews)	0	0.	Φ	0	•	Θ	VH493509		subitem "d" t
interviews or observations)							d. Have students use primary sources (e.g.,									examples give
e. Discuss current events f. Have students use	0	D	0	0	Φ	VH493510	letters, diaries, photographs, films, or	00	5	®	0	0	Φ	VH493512		
Have students use	0	(D)	0	Ф	•	VH493512	essays written by people from the past)	250								Subitem "e" v dropped as th

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
During this school yea of social studies instru	r so far, how	often have yo is class? Sele	ou done each of ct one circle in	the following each row.	as part	VH493515	7. During this school year of social studies instruc	so far, how tion with th	often have yo nis class? Sele	ou done each of ect one circle in	the following each row.	as part	VH49335	R	Subitem "a" was dropped given
	Never	Once	Two or three times	Four or five times	More than five times			Never	Once	Two or three times	Four or five times	More than five times			that more than 70% of teachers
Gone on class field trips to learn about social studies topics	©	Φ	0	Φ	Ф	VII493516	Had students give class presentations on social studies topics	®	(1)	0	Φ	θ	VH493518		responded
b. Had outside speakers in class discuss social studies topics	•	Ф	0	•	Ð	VH493517	 Had students write about their opinion on a problem or issue (e.g., in a letter, e-mail. 	0	®	0	0	θ	VH493523		"Never". Also please note that
c. Had students give class presentations on social studies topics	0	(D)	0	0	Ф	V1f493518	or blog post) c. Had students take part in debates or panel	®	Ф	0	Φ	Φ	VH493524		this item is an example of
d. Had students listen to or watch movies, videos, or online content about social studies topics	Φ	®.	0	Φ	Ф	VH493519	discussions d. Had students take part in role-playing, mock trials, or dramas about	©	©	0	0	θ	VH493525		when teacher/sutdent
e. Had students write about their opinion on a problem or issue (e.g., in a letter, e-mail, or blog post)	0	®	0	•	Ф	VH493523	social studies topics	n of In	ctructio	n					comparability may not be needed.
f. Had students take part in debates or panel discussions	۵	Φ	0	0	Ð	VH493524	Issue: Organizatio) O :	Structio	11					Subitem "b" was
g. Had students take part in role-playing, mock trials, or dramas about social studies topics	٥	Ф	0	0	Ф	VH493525									dropped as this item does not
															directly map
2017 Grade 8)															onto a student item.
															Subitem "d" was dropped given
															that the
															response option
															the student and
															teacher item.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
13. When students in this computers or other di						VH493490	8. When students in this computers or other dig	class work or gital devices to	social studie do the follo	es, to what exter wing? Select on	nt do they us e circle in ea	se ich row.	VH493400	R	Subitem "b" wa revised for
	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always			clarity as per Fresh Eyes
Use the Internet to look for evidence or sources (e.g., text documents, photographic images, or films)	Θ	Φ	0	Φ	θ	V3149349 į	Use the Internet to look for evidence or sources (e.g., text documents, photographic images, or films)	0	(0	•	Θ	VH493491.		review, from "Use games or apps" to "Play
b. Use games or apps in which students play a role (e.g., an explorer, geographer, or historian)	•	•	0	•	Ф	V31493493	b. Play games or use apps in which students play a role (e.g., an explorer, geographer, or historian)	0	(D)	0	Φ	Φ	VH728046		games or use apps".
c. Create reports or projects about social studies using different forms of media (e.g., a slide presentation that combines text and video clips)	0	₲	0	•	Φ	VH493494	c. Create reports or projects about social studies using different forms of media (e.g., a slide presentation that combines text and video clips)	0	0	0	Φ	Ф	VH493494		
d. Organize information about social studies topics by creating tables, charts, or graphs	0	Ф	0	•	Φ	VH493496	d. Organize information about social studies topics by creating tables, charts, or graphs	0	(ID)	0	Φ	Ф	VH493496		
e. Participate in online discussions about social studies on a website (e.g., in forums or social media)	Φ	Φ	0	Ф	Θ	VH493498	e. Participate in online discussions about social studies on a website (e.g., in forums or social media)	•	•	0	Φ	Φ	VH493498		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
15. In your social studies c assess student progress	lass this yea in social stu	r, how often do idies? Select or	you use each ne circle in eac	of the follow th row.	ing to	VH493529	In your social studies c assess student progress	lass this yea in social stu	r, how often do idies? Select of	you use each ne circle in eac	of the follows	ng to	VH493539	R	Item matrix VH493529 was
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day			dropped to reduce burder
 Tests with multiple-choice, true/ false, or matching type questions 	0	(D)	0	Θ	0	VH493530	a. Tests with multiple-choice, true/ false, or matching type questions	0	(ID)	0	Θ	Φ	VH493530		with the exception of
o. Tests with fill-in-the-blank questions	0	(D)	0	0	0	VH493531	b. Short written responses (e.g., a paragraph or less)	®	Ф	0	0	Φ	VH739504		subitem VH493530 wh
2. Paragraph-length written responses about what students have read	0	Φ	0	0	Φ	VH493532	c. Long written responses (e.g., several paragraphs)	0	(D)	0	0	Θ	VH493540		was moved to
Extended essays/ papers on assigned topics	0	©	0	0	θ	VH493533	d. Responses to questions based on information from	9	Φ.	9	9	Θ	VH493541		VH493539.
e. Individual projects f. Group projects	®	(D)	0	0	(D)	VH493534	several sources (e.g., letters, cartoons, or				-		777		Subitem
16. In your social studies c assess student progress	lass this yea in social stu	r, how often do idies? Select of	you use each ne circle in eac	of the follow	ing to	VH493339	e. Computer-based or online assessments Issue: Organization	on of In	struction	0	0	Φ	VH493544		VH493543 wa dropped giver that 62% of respondents
	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day										choose "Neve
n. Long written responses (e.g., several paragraphs)	0	(D)	0	0	Ð	VH493540									and this subit does not map
o. Responses to questions based on information from several sources (e.g., letters, cartoons, or maps)	Φ	Ф	0	Φ	0	VH499541									to items assessed in co
The second of th	0	•	0	•	0	VH493543									
c. Portfolios														1	1

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
17. When giving assessment the assessment results						VH493773	10. When giving assessment the assessment results	ents in your so s to do each of	cial studies cl the following	lass this year, l g? Select one c	how often do y ircle in each re	ou use	VI999773	NC	N/A
	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	Always or almost always			Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	Always or almost always			
Regularly discuss each student's current level of performance with them	8	0	9	0	Θ	VH493774	Regularly discuss each student's current level of performance with them	0	Φ	0	Ф	Φ	VH493774		
 Set goals for specific progress the student would like to make 	0	•	0	0	©	VH498775	b. Set goals for specific progress the student would like to make	0	Φ	0	0	0	VH493775		
c. Discuss progress the student has made toward goals previously set	©	(D)	0	Φ	©	VH495777	c. Discuss progress the student has made toward goals	0	•	0	Φ	0	VH493777		
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	©	©	0	Φ	Ф	VH495778	d. Determine how to adjust your teaching strategies to meet the student's current	•	Φ	0	Φ	Φ	VH493778		
2017 Grade 8)							Issue: Organizati	on of Ins	truction						
18. Do you give instruction students?	n in civics and	d/or United S	tates governme	ent to your		VH566822	11. Do you give instruction students?	n in civics and	or United St	ates governme	ent to your		VH566822	NC	N/A
Yes							Yes								
No Questions 19, 2	20, and 21 are	not applicab	le and will be	skipped.			No →Questions 12,	13, and 14 ar	e not applica	ble and will b	e skipped.				
2017 Grade 8)							Issue: Organizati	on of Ins	truction	1					

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
19. In your social studies of topics in civics and/or	class this year United State	, how much has government?	ave you emp Select one o	hasized the follo	owing v.	VH493606	12. In your social studies of topics in civics and/or	class this year	r, how much h	ave you emph	nasized the fol	lowing	VH720253	R	Subitem "a" was dropped due to
	Not at all	Very little	Some	Quite a bit	A lot		topics in civics and/or	Omited State	a government	Scient one of	reie in caen ie	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 5		overlap with
a. The United States Constitution	0	(D)	0	Ф	Φ	VH493608		Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons			items in matrix
b. The three branches of the United States government (executive, judicial,	®	Ф	0	Φ	Φ	VH493610	a. Political parties, elections, and voting	0	© D	©	© ®	©	VH728261		VH493643.
and legislative branches)							 Other countries' governments (e.g., 						ii ii		Subitem "b" wa
c. How laws are made	0	(D)	0	0	Ð	VH493614	their structure, how they are run, or	0	©	0	0	Ф	VH728259		dropped due to
d. Political parties, elections, and voting	8	©	0		Ф	VH493615	interactions with the United States)		197		- 1				overlap with
e. State government and local government	0	(D)	0	0	Φ	VH493616	c. International organizations (e.g., the								items in matrix
f. Other countries' governments (e.g., their structure, how they are run, or	0	®	0	0	Φ	VH493617	United Nations, World Bank, or World Health Organization)	0	Œ)	0	0	Φ	VH728260		VH493643.
interactions with the United States)							 d. Current political and social issues 	0	0	0	Ф	Ф	VH728257		Subitem "c" wa
g. International organizations (e.g., the United Nations, World Bank, or World Health Organization)	8	Φ	0	Ф	Ф	VH4936t8	Issue: Organizatio	on of Ins	truction						dropped due to overlap with items in matrix
h. Current political and social issues	0	Œ Œ	0	0	Φ	VH493619	133de. Organizatio	511 01 1115	iti action						VH493643.
2017 Grade 8)															Subitem "e" wa dropped due to overlap with items in matrix VH493643.

Previous item				2018 item							D/A/ R/NC+	Rationale			
20. In your social studies teaching your student	class this scho s each of the i	ool year, how r following? Sele	nuch have y	ou emphasized e in each row.		VH493643	13. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select one circle in each row.								Subitem "g" was dropped to
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot			reduce burden
Examining the roles and functions of the three branches of the United States government	∞	Φ	0	•	Ф	VH493645	Examining the roles and functions of the three branches of the United States government	0	Φ	0	0	©	VH493645		and because there was no parallel item in student.
 Examining the rights and responsibilities of United States citizens 	0	(II)	0	0	Θ	VH493646	b. Examining the rights and responsibilities of United States citizens	00	®	0	0	Ф	VH493646		
c. Examining how the United States influences and is influenced by events in other countries	Ø	•	0	0	0	VH493647	c. Examining how the United States influences and is influenced by events	®	Φ	0	0	Ð	VH493647		
d. Comparing the roles and responsibilities of local, state, and national governments in the United States	∞	®	0	Ф	0	VH493648	in other countries d. Comparing the roles and responsibilities of local, state, and national governments	®	Φ	0	0	Φ	VH493648		
e. Examining why it is important to pay attention to the political process and government	®	•	0	•	Ф	VH493650.	in the United States e. Examining why it is important to pay attention to the political process and	©	Φ	©	0	Φ	V21483650		
f. Examining why it is important for individuals to participate in the political process and government	0	Ф	0	Φ.	Φ	VH493651	government f. Examining why it is important for individuals to participate in the	®	Φ	©	0	Φ	VH49365 I		
g. Supporting an opinion about an issue or problem with reasons and examples	®	0	0	Ф	Θ	VH493656	political process and government g. Discussing the political process and	0	Φ	0	0	Θ	VH493658		
h. Discussing the political process and government with others	0	®	0	Ф	Φ	VH493658	government with others								
(2017 Grade 8)					0 0	Issue: Organization of Instruction									
21. During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach civics and/or United States government? ② Yes, I have attended programs that are required by my school or district. ③ Yes, I have attended programs that are not required by my school or district. © No							14. During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach civics and/or United States government? Select all that apply. ② Yes, I have attended programs that are required by my school or district. ③ Yes, I have attended programs that are not required by my school or district.								The item stem was revised to include inline directions for multiple selection since the first two response options can both be applicable in certain cases.
(2017 Grade 8)							Issue: Teacher Preparation								

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item				2018 item								Rationale			
22. Do you give instruction ① Yes ① No Questions 23, 2				e skipped.		V#4493 70.5	15. Do you give instruction in geography to your students? ② Yes ③ No→Questions 16, 17, and 18 are not applicable and will be skipped. Issue: Organization of Instruction							NC	N/A
23. In your social studies topics in geography? S	r, how much ha le in each row.	hasized the follo	VH493706	16. In your social studies class this year, how much have you emphasized the following topics in geography? Select one circle in each row. 17. The students of the following topics in geography? Select one circle in each row.							R	Subitem "a" was			
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot			reduce burden and because the content overlap with items in matrix VH493726.
a. Using physical or							a. Countries and cultures	@	(D)	©	Ф	Ф	VI4493708		
digital maps (e.g., a road map, MapQuest, or Google Maps) and globes	⊗	Φ	0	0	Φ	VI4493707	b. Environmental issues (e.g., pollution, recycling, climate change, or genetically modified food) c. Basic concepts of physical and human geography	0	Φ	0	Φ €	©	VH483709		
b. Countries and cultures	0	Φ.	0	Ф	Ф	VH493708									
c. Environmental issues (e.g., pollution, recycling, climate change, or genetically	0	Φ	0	0	Ф	V11493709		®	Φ	0		Ф	VI4493710		
modified food) d. Basic concepts of physical and human geography	0	Ф	0	Φ	Φ	VH493710	d. Variation among regions and how people interact across space via	Φ.	of Instruction	0	Φ	Φ	VH498711		
e. Variation among regions and how people interact across space via	0	Φ	0	0	Ф	VI(4937) I	communication, transportation, or trade	ion of In							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
24. In your social studies teaching your student	class this sch s each of the	ool year, how n following? Sele	nuch have you	ou emphasized in each row.		VH493725	17. In your social studies of teaching your students						VI3491725	NC	N/A
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot	î î		
Using a map (e.g., a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	⊗	Φ	0	Ф	Θ	VH493726	Using a map (e.g., a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	0	Φ	0	Ф	Φ	V11493726		
b. Examining how natural features of the Earth (e.g., rivers or mountains) are formed	⊗	®	0	0	Φ	VH493728	b. Examining how natural features of Earth (e.g., rivers or mountains) are formed	0	Ф	0	0	Φ	V14728062		
 Measuring distances and the sizes of areas on maps 	0	(D)	0	Φ	Φ	VH493729	c. Measuring distances and the sizes of areas on maps	0	Φ	0	•	0	VH493729		
d. Examining what makes different regions in the United States unique	0	®	0	Ф	Θ	VH493730	d. Examining what makes different regions in the United States unique	Φ	Φ	0	Ф	Ф	V15493730		
 Examining why groups of people migrate to different parts of the world 	0	(D)	0	Ф	Ф	VH493736	e. Examining why groups of people migrate to different parts of the world	0	Ф	0	•	Ф	VH493736		
f. Examining how humans affect the natural environment	0	©	0	0	Φ	VH498737	f. Examining how humans affect the natural environment	0	®	0	•	Φ	VH493737		
g. Examining how humans adjust to the natural environment	®	©	Ø	0	Φ	VH603016	g. Examining how humans adjust to the natural environment	0	Φ	0	0	0	VH603016		
h. Examining why different food and energy resources are traded globally	⊗	•	0	Φ	Φ	VH493740	h. Examining why different food and energy resources are traded globally	0	Ф	0	•	Φ	VH493740		
Using geographic information (e.g., maps, satellite images, or population data) to answer a question or solve a problem	®	Φ	0	Φ	Φ	¥H498743	i. Using geographic information (e.g., maps, satellite images, or population data) to answer a question or solve a problem	۵	Φ	0	Ф	Φ	VH493743		
2017 Grade 8)							Issue: Organization	on of Ins	truction						
During the past two years (e.g., training sessions an improving your ability to Yes, I have attended p Yes, I have attended p No	d workshops, teach geogra rograms that	including onling phy? are required by	ne classes) a	imed at or district.		V15403903	18. During the past two year (e.g., training sessions ar improving your ability to Yes, I have attended to Yes, I have attended to No	nd workshops to teach geogra programs that programs that	, including onl aphy? Select al t are required b t are not requi	ine classes I that apply by my scho	aimed at ol or district.	as	VH117116	R	The item stem was revised to include inline directions for multiple selection since the first two response option
2017 Grade 8)							Issue: Teacher Pi	reparati	on						can both be applicable in certain cases.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item							D/A/ R/NC+	Rationale
26. Do you give instruction in United States history to your students? ① Yes ① No Questions 27, 28, 29, and 30 are not applicable and will be skipped. O17 Grade 8)						VH566823	19. Do you give instruction ③ Yes ⑤ No → Questions 20, Issue: Organization	21, and 22 a	re not applicab				VII566823	NC	N/A
27. In your special studies periods of United State	class this yea es history? Se	r, how much ha	ive you emp in each row.	hasized the follo	owing	VH493550	20. In your social studies periods of United State	class this year	r, how much ha	ive you emp	hasized the follo	owing	VI1493550	NC	N/A
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot			
a. The period before 1815 (e.g., age of exploration, colonization, settlement, or American Revolution)	∞	•	0	•	Φ	VH493552.	a. The period before 1815 (e.g., age of exploration, colonization, settlement, or American Revolution)	8	Ф	0	•	Φ	VH493552		
b. 1815 to 1865 (e.g., expansion, reform, sectionalism, or the Civil War)	Ø	Ф	0	0	Ф	V11493553	b. 1815 to 1865 (e.g., expansion, reform, sectionalism, or the Civil War)	•	Φ	0	0	Ф	VH493553		
c. 1865 to 1945 (e.g., Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	•	•	0	0	Ф	V11493554	c. 1865 to 1945 (e.g., Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	•	Φ	0	Φ	(D)	VH483554		
d. 1945 to the present (e.g., the Cold War,	®	Φ	0	0	Φ	VH493556	d. 1945 to the present (e.g., the Cold War, Civil Rights movement, women's rights movement, Vietnam War, or	8	o	0	0	Φ	VH493556		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/ R/NC+	Rationale
29. In your social studies teaching your studen	class this sch ts each of the	ool year, how m following? Selec	uch have y	ou emphasized in each row.		VH493578	21. In your social studies teaching your student	class this scho s each of the i	ool year, how n following? Sele	nuch have yo	u emphasized in each row.		V16493578	NC	N/A
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot	T I		
a. Examining the causes and effects of important events in United States history	0	Φ	0	•	Ф	VE493580	a. Examining the causes and effects of important events in United States history	Ø	Φ	©	Φ	Ф	VH493580		
b. Examining how time periods in United States history are similar or different	Φ	Ф	0	0	Ф	VH493582	b. Examining how time periods in United States history are similar or different	0	Ф	0	Φ	0	VH493582		
c. Judging whether information from a source (e.g., text, visual graphics, video, or audio) is accurate d. Analyzing the	0	Φ	0	Φ	Ф	VH490583	c. Judging whether information from a source (e.g., text, visual graphics, video, or audio) is accurate	®	(D)	O	Ф	Φ	VH493583		
relationship between two historical events	0	®	0	•	Ф	VH493587	d. Analyzing the relationship between two historical events	®	©	0	0	Φ	VH493587		
evaluating different points of view about the past (e.g., different ideas about what caused the Civil War)	0	®	0	Φ	Ф	VH493589	e. Comparing and evaluating different points of view about the past (e.g., different ideas about what	®	(D)	0	Φ	Φ	VH493589		
f. Coming up with research questions about why or how something happened in the past (e.g., what were the causes of the Great Depression)	0	Φ	0	Φ	Ф	VH493590	f. Coming up with research questions about why or how something happened in the past (e.g., what	®	Φ	0	0	Φ	VH493590		
g. Taking and defending a position about a historical issue (e.g., how changes in transportation have	0	®	0	•	Φ	VI3493591	were the causes of the Great Depression) g. Taking and defending a position about a						H		
affected the United States economy) 2017 Grade 8)							historical issue (e.g., how changes in transportation have affected the United States economy)	0	0	0	Φ	0	VH493591		
							Issue: Organization	on of Ins	truction						
30. During the past two ye (e.g., training sessions improving your ability	and workshop	s, including on	sional deve line classes	lopment program aimed at	ms	VH493801	22. During the past two ye (e.g., training sessions improving your ability	and workshop	s, including on	line classes)		S	VHZTTIJO	R	The item stem was revised to include inline
Yes, I have attended		the test said of the					Yes, I have attended								directions for
Yes, I have attended	d programs th	at are not requi	red by my s	chool or district			Yes, I have attended	d programs th	at are not requi	red by my so	thool or district.				multiple
© No							© No								selection since
2017 Grade 8)							Issue: Teacher Pr	eparatio	on						the first two response optio can both be applicable in

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

							2018 item							D/A/ R/NC+	Rationale
31. Suppose your student you think each of the each row.						VH49381	23. Suppose your students you think each of the each row.	s did very wel following exp	l on their last lanations is i	social studies n this situatio	test. How like n? Select one c	ely do circle in	V(1493813	NC	N/A
	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely			Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely			
 My students did well because they studied and were prepared. 	•	Ф	0	0	Φ	V31493814	a. My students did well because they studied	Φ	Φ.	©	•	(D)	VH493814		
 My students did well because they put in a lot of effort. 	•	Φ	0	0	θ	VH4938 [5	and were prepared. b. My students did well because they put in a lot of effort.	0	0	0	0	Ф	VH493815		
because they always do well on tests.	0	®	0	0	Ð	VH493816	c. My students did well because they always do well on tests.	0	D	0	•	0	VH493816		
l. My students did well because I taught the concepts well.	0	(D)	0	0	Ð	VH493817	d. My students did well because I taught the	0	(D)	0	0	Ф	VH493817		
 My students did well because they guessed well on the test. 	۵	Ф	0	0	Θ	VH4938 [8	e. My students did well because they guessed	Φ.	Φ	0	•	Φ	VH493818		
 My students did well because they are just good at social studies. 	0	®	0	Φ	Φ	VH493819	well on the test. f. My students did well								
							because they are just good at social studies.	0	Φ	©.	0	Œ	VI(493819		
)17 Grade 8)				of the follow	ing	VH493756	because they are just			•	•	0	V1493819	D	This item was
017 Grade 8)				of the follow	Always or almost always	VH493756	because they are just good at social studies. Issue: Teacher F			0	•	Φ.	V(1493819	D	dropped to reduce burde
017 Grade 8) 6. In your social studies strategies when teach	ing? Select one Never or	Once in a	h row.		Always or almost	VH499256 V14932758	because they are just good at social studies. Issue: Teacher F			0	•	Φ.	VE440819	D	dropped to reduce burde and due to th inapplicabilit
017 Grade 8) 6. In your social studies strategies when teach I teach social studies as a whole-class activity.	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always		because they are just good at social studies. Issue: Teacher F			6	•	Φ.	¥16448819	D	dropped to reduce burde and due to the inapplicability some cases (v subitem "b")
017 Grade 8) 6. In your social studies strategies when teach I teach social studies as a whole-class activity. I create student groups with the same	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	VH493758	because they are just good at social studies. Issue: Teacher F			•	•	Φ.	V(1448819	D	This item was dropped to reduce burde and due to the inapplicability some cases (casubitem "b") social studies class.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item	D/A/	Rationale
9. When you teach soci	al studies to	rour eighth.org	de class do s	you do any of th	o o	VH493747	N/A	R/NC+	This item was
following? Select one	circle in eac	h row.	de class, do)	ou do any of th					dropped to
	Not at all	Very little	Some	Quite a bit	A lot				reduce burde
Use a different set of methods in teaching some students	0	®	0	0	Θ	VH493748			and given tha there was litt
b. Supplement the regular course curriculum with additional material for some students	0	Ф	0	0	0	VH493749			variation in the response
c. Pace my teaching differently for some students	0	•	0	Φ	Φ	VH493750			patterns acro subitems. Ov
d. Have some students engage in different classroom activities	0	®	0	•	Ф	VH493751			60% responde
2017 Grade 8)									"Quite a bit" all subitems.
10. How often do you use t class? Select one circle	he following in each row.	resources to tea	ach social stu	idies in this		VH493437	N/A	D	This item was
			About once or twice a month	or twice a	very day or almost every day				reduce burde
		7							
Quantitative data (such as that on maps, charts or graphs)	00	®	0	0	0	VH493442			
	0	Φ	0	0	0	VH493442 VH493445			
(such as that on maps, charts, or graphs) D. Materials from other						YH493445 YH493445 YH493448			
(such as that on maps, charts, or graphs) Materials from other subject areas Activities or assignments designed by social studies organizations or experts 2017 Grade 8)	© use each of	Φ Φ the following t	© ©	Φ	Ф		N/A	D	This item was
(such as that on maps, charts, or graphs) Materials from other subject areas Activities or assignments designed by social studies organizations or experts 2017 Grade 8)	© use each of	Φ Φ the following t	© ©	Φ	Ф	YH493448	N/A	D	dropped to
(such as that on maps, charts, or graphs) Materials from other subject areas Activities or assignments designed by social studies organizations or experts 2017 Grade 8) 11. To what extent do you studies instruction? So	© use each of elect one circ	the following the in each row.	© © eechnologica	© I resources for s	© ocial	YH493448	N/A	D	dropped to reduce burde
(such as that on maps, charts, or graphs) 5. Materials from other subject areas c. Activities or assignments designed by social studies organizations or experts 2017 Grade 8) 11. To what extent do you studies instruction? Social sudies organizations or experts 2017 Grade 8) 12. To what extent do you studies instruction? Social sudies organizations or experts.	use each of elect one circ	the following le in each row.	© © ecchnologica	© I resources for s	Ф ocial	VH493448	N/A	D	dropped to reduce burde and to create content
(such as that on maps, charts, or graphs) 5. Materials from other subject areas 2. Activities or assignments designed by social studies organizations or experts 2017 Grade 8) 11. To what extent do you studies instruction? Social sudies organizations or experts	© i use each of elect one circ	the following le in each row	© cechnologica Some ©	① I resources for s Quite a bit ①	Φ ocial A lot	VH493448	N/A	D	dropped to reduce burde and to create
(such as that on maps, charts, or graphs) Materials from other subject areas Activities or assignments designed by social studies organizations or experts 2017 Grade 8) 11. To what extent do you studies instruction? Social studies organizations or experts a. Desktop or laptop computer(s) b. Tablet(s) (e.g., Surface Pro, iPad, or Kindle Fire) c. Online content (e.g., online software, podcasts, or streaming	use each of elect one circ	the following le in each row. Very little	© cechnologica Some ©	© Ouite a bit ©	Φ ocial A lot Φ	V1440440 V1440440	N/A	D	dropped to reduce burde and to create content consistency

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item								2018 item	D/A/ R/NC+	Rationale
To what extent are in each of the follo one circle in each	owing classes	or other dig s in school (ital devices a e.g., a classro	vailable fo om or a co	r students to mputer lab)?	use Select	VH493456	N/A	D	This item was dropped to reduce burden
	Not applicable	Not at all	Very little	Some	Quite a bit	A lot				and given that
Civics and/or United States government	•	Φ	0	0	Φ	Ð	VH499458			similar item is
Geography	0	(D)	0	•	0	Ð	VH493459			already include
United States history	0	D	0	0	Ф	Ф	VH493460			in Core.
 Approximately how studies? Less than 30 m 				78						dropped to maintain
© 30 minutes up © 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours D More than 4 ho	a day a day a day ours a day	lay								consistency across subjects
© 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours	a day a day a day a day ours a day ours a day	his year, hov	v much have ne circle in ea	you empha	sized the follo	owing	VH493557	N/A	D	This item was dropped to
© 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours © More than 4 hours 2017 Grade 8	a day a day a day ours a day ours a day	his year, hov ry? Select or	ie circle in ea	you empha ch row.	sized the follo	owing A lot	\78440557 ^{**}	N/A	D	This item was dropped to reduce burden
© 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours © More than 4 hours 2017 Grade 8	a day a a day a a day burs a day cudies class til States histo Not	his year, hov ry? Select or	ie circle in ea	ch row.			V/8493537	N/A	D	This item was dropped to reduce burden and because there was no parallel item in
© 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours © More than 4 ho 2017 Grade 8 28. In your social stropics in United a. Change and contiin United States democracy (ideas, institutions, even key figures, and	a day a day a day b a day burs a	his year, hovery? Select or	ne circle in ea	Some	Quite a bit	A lot	\78440557 \\ \V\$14405558 \\ \V\$14405569	N/A	D	This item was dropped to reduce burden and because there was no
● 1 up to 2 hours ● 2 up to 3 hours ● 3 up to 4 hours ● More than 4 hours ● More than 4 hours ● More than 4 hours ■ Collage and continuing the controverse's democracy (ideas, institutions, even key figures, and controversies) b. The gathering and interactions of peoples, cultures,	a day a day a day burs a day burs a day sudies class til l States histo nuity tts, d and d anges to	his year, hovery? Select of at alf Ve	ne circle in ea	Some ©	Quite a bit	A lot	VR493557 V31493558 V31493559 V31493560	N/A	D	This item was dropped to reduce burden and because there was no parallel item in
© 1 up to 2 hours © 2 up to 3 hours © 3 up to 4 hours © More than 4 ho 2017 Grade 8 28. In your social st topics in United a. Change and contiin United States democracy (ideas, institutions, even key figures, and controversies) b. The gathering and controversies) c. Technological cha and their relation society, ideas, and	a day a day a day burs	his year, how	Ty little	Some ©	Quite a bit	A lot	V98493557 V31493558 V31493559 V31493560 V31493561	N/A	D	This item was dropped to reduce burden and because there was no parallel item in

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item	D/A/ R/NC+	Rationale
32. In your school, how severe	1	Select one circ	cle in each row.	Serious	VH262652	N/A	D	This item was dropped given
	Not a problem	problem	problem	problem				that it is already
The school building needs significant repair.	0	Ф	0	Φ	VH262653			a part of the
 b. Classrooms are overcrowded. 	0	•	0	0	VH262654			Core.
 Teachers have too many teaching hours. 	0	Φ	0	Φ	VH262655			
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	•	Φ.	0	Ф	VH262656			
e. Teachers do not have adequate instructional materials and supplies.	۵	•	0	Φ	VH262657			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-2i: 2018 Operational Grade 8 Social Studies (COI)

2018 Operational Grade 8 Social Studies Teacher Items

		VH492737
1.	Which best describes your role in teaching social studies to this class? Select all that apply.	
	I teach all or most subjects, including social studies.	
	The only subject I teach is social studies.	
	We team teach, and I have primary responsibility for teaching social studies.	
	I have primary responsibility for teaching civics and/or United States government.	
	© I have primary responsibility for teaching geography.	
	① I have primary responsibility for teaching United States history.	
2.	How many students are in this class? Enter the number of students. If you teach more than one eighth-grade social studies class, please enter the number of students in the class you are using as the basis for answering this survey.	VH588602
3.	In a typical week, about how much time in total do you spend with this class on social studies instruction? hours and minutes per week	VH492738
4.	Which best describes how social studies instruction in your school is organized?	VH566810
	© Social studies is taught primarily as a discrete subject with little or no integration with instruction in other subjects.	
	® Some social studies instruction is integrated with other subjects, and some social studies instruction is presented as a discrete subject.	
	© Social studies lessons are primarily integrated with instruction in other subjects.	

5. During what percentage of social studies instruction time in this class is your primary focus on each of the following subjects? Select **one** circle in each row.

	None	1–10%	11–40%	41–60%	61–90%	More than 90%	
a. Civics and/or United States government	(A)	B	0	0	Ē	(F)	VH493389
b. Geography	(A)	®	0	0	Œ	(Ē)	VH493390
c. United States history	A	®	0	0	Œ	(Ē)	VH493391
d. Other social studies subject (Please specify):	0	®	0	Θ	©	(F)	VH493392

VH493502

6. During this school year, how often do you do the following as part of social studies instruction with this class? Select **one** circle in each row.

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a.	Have students read material from a social studies textbook	(8)	®	0	0	©	VH493504
b.	Have students read extra material about social studies not in the regular textbook (e.g., newspapers, magazines, or online sources)	(4)	©	0	0	©.	VH493506
c.	Have students conduct research about social studies topics (e.g., online, in a library, or through interviews)	(4)	®	0	0	©	VH493509
d.	Have students use primary sources (e.g., letters, diaries, photographs, films, or essays written by people from the past)	0	®	0	(1)	©.	VH493512

7. During this school year so far, how often have you done each of the following as part of social studies instruction with this class? Select **one** circle in each row.

		Never	Once	Two or three times	Four or five times	More than five times	
a.	Had students give class presentations on social studies topics	(A)	®	0	0	©	VH493518
b.	Had students write about their opinion on a problem or issue (e.g., in a letter, e-mail, or blog post)	(9)	®	0	Φ	©.	VH493523
c.	Had students take part in debates or panel discussions	(A)	®	0	0	Œ	VH493524
d.	Had students take part in role-playing, mock trials, or dramas about social studies topics	(4)	(B)	0	0	©	VH493525

8. When students in this class work on social studies, to what extent do they use computers or other digital devices to do the following? Select **one** circle in each row.

		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a.	Use the Internet to look for evidence or sources (e.g., text documents, photographic images, or films)	(®	0	Φ	Œ	VH493491
b.	Play games or use apps in which students play a role (e.g., an explorer, geographer, or historian)	(4)	®	0	Θ	(L)	VH728046
c.	Create reports or projects about social studies using different forms of media (e.g., a slide presentation that combines text and video clips)	(4)	©	0	Θ	©	VH493494
d.	Organize information about social studies topics by creating tables, charts, or graphs	(4)	®	0	Φ	Œ	VH493496
e.	Participate in online discussions about social studies on a website (e.g., in forums or social media)	0	(G)	0	Θ	(VH493498

9. In your social studies class this year, how often do you use each of the following to assess student progress in social studies? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Tests with multiple-choice, true/ false, or matching type questions	(A)	®	0	•	Œ	VH493530
b. Short written responses (e.g., a paragraph or less)	(A)	®	0	0	©.	VH739504
c. Long written responses (e.g., several paragraphs)	(A)	®	0	0	Œ	VH493540
d. Responses to questions based on information from several sources (e.g., letters, cartoons, or maps)	(A)	®	0	Φ	©.	VH493541
e. Computer-based or online assessments	(A)	®	0	0	Œ	VH493544

10. When giving assessments in your social studies class this year, how often do you use the assessment results to do each of the following? Select **one** circle in each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	Always or almost always	
a. Regularly discuss each student's current level of performance with them	(A)	®	0	0	©.	VH493774
b. Set goals for specific progress the student would like to make	(A)	®	0	0	Œ	VH493775
c. Discuss progress the student has made toward goals previously set	(4)	®	0	Φ	©	VH493777
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	(®	0	Φ	© 409	VH493778

- **11.** Do you give instruction in civics and/or United States government to your students?
 - A Yes
 - lacktriangledown No lacktriangledown Questions 12, 13, and 14 are not applicable and will be skipped.

12. In your social studies class this year, how much have you emphasized the following topics in civics and/or United States government? Select **one** circle in each row.

VH728253

		Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a.	Political parties, elections, and voting	(A)	®	0	0	Œ	VH728261
b.	Other countries' governments (e.g., their structure, how they are run, or interactions with the United States)	0	®	0	0	Œ	VH728259
c.	International organizations (e.g., the United Nations, World Bank, or World Health Organization)	(4)	®	0	0	©	VH728260
d.	Current political and social issues	(A)	B	0	0	©.	VH728257

13. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	Examining the roles and functions of the three branches of the United States government	®	®	0	Φ	Œ	VH493645
b.	Examining the rights and responsibilities of United States citizens	(A)	®	0	0	Œ	VH493646
c.	Examining how the United States influences and is influenced by events in other countries	(4)	®	0	Θ	(VH493647
d.	Comparing the roles and responsibilities of local, state, and national governments in the United States	(A)	(8)	0	0	Œ	VH493648
e.	Examining why it is important to pay attention to the political process and government	(A)	®	0	0	Œ	VH493650
f.	Examining why it is important for individuals to participate in the political process and government	®	®	0	Θ	Œ	VH493651
g.	Discussing the political process and government with others	(A)	®	0	0	Œ	VH493658

2018 Operational Grade 8 Social Studies Teacher Items

VI	17	17	115

- **14.** During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach civics and/or United States government? Select **all** that apply.
 - Tes, I have attended programs that are required by my school or district.
 - Tes, I have attended programs that are not required by my school or district.
 - © No

VH493705

- 15. Do you give instruction in geography to your students?
 - A Yes
 - \bullet No \rightarrow Questions 16, 17, and 18 are not applicable and will be skipped.

VH493706

16. In your social studies class this year, how much have you emphasized the following topics in geography? Select **one** circle in each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	Countries and cultures	(A)	®	0	0	Œ	VH493708
b.	Environmental issues (e.g., pollution, recycling, climate change, or genetically modified food)	(4)	®	0	0	©	VH493709
c.	Basic concepts of physical and human geography	(A)	®	0	0	Œ	VH493710
d.	Variation among regions and how people interact across space via communication, transportation, or trade	(4)	©	0	Θ	(VH493711

17. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	Using a map (e.g., a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	(®	0	Φ	©	VH493726
b.	Examining how natural features of Earth (e.g., rivers or mountains) are formed	(9)	®	0	Θ	(L)	VH728062
c.	Measuring distances and the sizes of areas on maps	(A)	®	0	0	Œ	VH493729
d.	Examining what makes different regions in the United States unique	(A)	®	0	0	Θ	VH493730
e.	Examining why groups of people migrate to different parts of the world	(4)	®	0	Θ	Θ	VH493736
f.	Examining how humans affect the natural environment	(8)	®	0	0	(L)	VH493737
g.	Examining how humans adjust to the natural environment	(A)	®	0	0	Œ	VH603016
h.	Examining why different food and energy resources are traded globally	®	®	0	0	©.	VH493740
i.	Using geographic information (e.g., maps, satellite images, or population data) to answer a question or solve a problem	®	®	0	0	(£)	VH493743

2018 Operational Grade 8 Social Studies Teacher Items

V	H7	17	11	6

- **18.** During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach geography? Select **all** that apply.
 - Tes, I have attended programs that are required by my school or district.
 - ® Yes, I have attended programs that are not required by my school or district.
 - © No

VH566823

- 19. Do you give instruction in United States history to your students?
 - A Yes
 - lacktriangle No lacktriangle Questions 20, 21, and 22 are not applicable and will be skipped.

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20. In your social studies class this year, how much have you emphasized the following periods of United States history? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. The period before 1815 (e.g., age of exploration, colonization, settlement, or American Revolution)	(A)	®	0	Θ	(£)	VH493552
b. 1815 to 1865 (e.g., expansion, reform, sectionalism, or the Civil War)	(A)	®	0	Θ	Œ	VH493553
c. 1865 to 1945 (e.g., Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	(A)	®	0	Θ	(VH493554
d. 1945 to the present (e.g., the Cold War, Civil Rights movement, women's rights movement, Vietnam War, or environmental movement)	(A)	®	©	©	Œ	VH493556

21. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

		Not at all	Very little	Some	Quite a bit	A lot	
a.	Examining the causes and effects of important events in United States history	0	®	0	Φ	Œ	VH493580
b.	Examining how time periods in United States history are similar or different	®	®	0	0	Œ	VH493582
c.	Judging whether information from a source (e.g., text, visual graphics, video, or audio) is accurate	(4)	®	0	Θ	Œ	VH493583
d.	Analyzing the relationship between two historical events	(A)	®	0	0	Œ	VH493587
e.	Comparing and evaluating different points of view about the past (e.g., different ideas about what caused the Civil War)	(4)	®	0	0	Θ	VH493589
f.	Coming up with research questions about why or how something happened in the past (e.g., what were the causes of the Great Depression)	(4)	®	0	Θ	Œ	VH493590
g.	Taking and defending a position about a historical issue (e.g., how changes in transportation have affected the United States economy)	®	(8)	0	0	Œ	VH493591

2018 Operational Grade 8 Social Studies Teacher Items

VH717110

- **22.** During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach history? Select **all** that apply.
 - ② Yes, I have attended programs that are required by my school or district.
 - [®] Yes, I have attended programs that are not required by my school or district.
 - © No

23. Suppose your students did very well on their last social studies test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

VH493813

		Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a.	My students did well because they studied and were prepared.	(A)	®	0	0	©.	VH493814
b.	My students did well because they put in a lot of effort.	(A)	®	0	0	©.	VH493815
c.	My students did well because they always do well on tests.	(A)	®	0	0	Œ	VH493816
d.	My students did well because I taught the concepts well.	(A)	®	0	0	(£)	VH493817
e.	My students did well because they guessed well on the test.	(A)	®	0	0	Œ	VH493818
f.	My students did well because they are just good at social studies.	®	®	O	0	Œ	VH493819

Appendix I-2j: Summary of Revisions 2017-2018 NTPS Teacher Questionnaire

*Note: This is the same table submitted to OMB by NTPS for their clearance under OMB #1850-0598 v.19

List of Updates to NTPS 2017-18 Questionnaires from March 2017 version to FINAL.

Questionnaire	Item	Update
NTPS-4A	Front Cover	[Old]: "(ESRA, 20 U.S.C. § 9543)."
(Teacher)		[New]: "(ESRA 2002, 20 U.S.C. §9543)."
	item 1-1 (on 3 rd and 4 th options)	[Old]: "(i.e.,"
		[New]: "(i.e."
	item 1-6	Inserted "During the" to beginning of question stem.
	Item 2-11	[Old]: "hours"
		[New]: "minutes"
	Page 19, Code 265, 266, 267	Philosophy was moved to code 266; Religious studies, theology, or
		divinity was moved to 267
	Item 5-1	Inserted "During the" to beginning of question stem.
	Item 5-1(1)	[Old]: "LAST school year,"
	` '	[New]: "(1) During the LAST school year (2016-17),"
	Item 6-7d	Inserted "in" between "about" and "my"

Appendix I-2k: 2017-2018 NTPS Teacher Questionnaire

Conducted by:
U.S. DEPARTMENT OF EDUCATION
NATIONAL CENTER FOR EDUCATION STATISTICS

OMB No. 1850-0598 Approval Expires 06/30/2020
Collected by:
U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

TEACHER QUESTIONNAIRE NATIONAL TEACHER AND PRINCIPAL SURVEY 2017-18 SCHOOL YEAR



THIS SURVEY HAS BEEN ENDORSED BY:

American Association of School Administrators
American Association of School Librarians
American Federation of Teachers
American Montessori Society
American School Counselors Association

Association for Middle Level Education (formerly National Middle School Association)
Association for Supervision and Curriculum Development Association of American Educators
Council of Chief State School Officers

Council of the Great City Schools
National Association of Elementary School Principals
National Association of Secondary School Principals
National Parent Teacher Association

Please return your completed questionnaire in the pre-addressed, postage-paid envelope or mail it to:

U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001

NOTICE

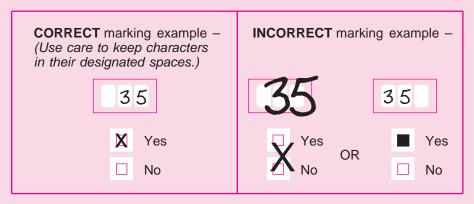
The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct this survey by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543).

FORM **NTPS-4A** (07-10-2017)



INSTRUCTIONS AND DEFINITIONS

The data you enter on this form will be captured through the use of imaging technology. Please print all information clearly in ordinary characters, using a **blue or black ballpoint pen**.



- a. If you are the teacher named on the cover page label, please complete the questionnaire.
- **b.** Please do not write any comments near the answer boxes.
- **c.** If you are unsure about how to answer a question, please give the best answer you can rather than leaving it blank.
- **d.** If you have any questions, call the U.S. Census Bureau at 1-888-595-1338. Someone will be available to take your call Monday through Friday, between 8:00 a.m. and 8:00 p.m. (Eastern Time). The U.S. Census Bureau is also available to answer your questions via e-mail at: ntps@census.gov

Teachers who teach in multiple schools: Please respond to questions as they apply to the school where you received this questionnaire.

Grades K-12 and comparable ungraded levels. This survey focuses on schools offering any of grades K-12 or comparable ungraded levels at the elementary, middle, or secondary level. The term "ungraded levels" refers to schools that classify students by an alternative means other than particular grade levels (e.g., Kindergarten, 1st grade, 2nd grade, etc.).

All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0598. The time required to complete this information collection is estimated to average 40 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or comments or concerns about the contents or the status of your individual submission of this questionnaire, please e-mail: ntps@census.gov, or write directly to: National Teacher and Principal Survey (NTPS), National Center for Education Statistics, Potomac Center Plaza, 550 12th Street, SW, Room 4014, Washington, DC 20202.

1. GENERAL INFORMATION

1-1.	How do you classify your position at THIS school, that is, the activity at which you spend most of your time during this school year? • Mark (X) only one box.				
	Regular full-time teacher (in any of grades K-12 or comparable ungraded levels)				
	Regular part-time teacher (in any of grades K-12 or comparable ungraded levels)				
	ltinerant teacher (i.e. your assignment requires you to provide instruction at more than one school)				
	Long-term substitute (i.e. your assignment requires that you fill the role of a regular teacher on a long-term basis, but you are still considered a substitute)				
5 Short-term substitute					
	6 Student teacher				
	7 Teacher aide				
	8 Administrator (e.g., principal, assistant principal, director, school head)				
9 Library media specialist or Librarian					
	Other professional staff (e.g., counselor, curriculum coordinator, social worker)				
	□ Support staff (e.g., secretary)				
1-2.	Which box did you mark in item 1-1 above?				
☐ Box 1 → GO TO item 1-5 on page 4.					
Box 2, 3, or 4 \rightarrow GO TO item 1-4 on page 4.					
	Box 5, 6, or 7 → Please STOP now and return this questionnaire to the U.S. Census Bureau. Thank you for your time.				
Ţ	Box 8, 9, 10, or 11				
1-3.	Do you TEACH one or more classes at THIS school, at least once per week, in any of grades K-12 or comparable ungraded levels?				
	f you work as a library media specialist or librarian at this school, do not include classes in which				
	you teach students how to use the library (e.g., library skills or library research). If you teach a particular specialty either within or outside of a regular classroom (e.g., reading				
	specialist, special education teacher, English as a Second Language teacher), include that time as a regularly scheduled class.				
	☐ Yes → GO TO item 1-4 on page 4.				
	□ No → Please STOP now and return this questionnaire to the U.S. Census Bureau. Thank you for your time.				

1-4.	How much time do you work as a TEACHER in any of grades K-12 or comparable ungraded levels at THIS school? • Mark (X) only one box.			
		Full time		
		3/4 time or more, but less than full-time		
		1/2 time or more, but less than 3/4 time		
		1/4 time or more, but less than 1/2 time		
		Less than 1/4 time		
		I do not teach any of grades K-12 or comparable ungraded levels → Please STOP now and return this questionnaire to the U.S. Census Bureau. Thank you for your time.		
1-5.	D E	When did you begin teaching, either full-time or part-time, at THIS school? Do NOT include time spent as a student teacher. Enter the month AND year. Report month as a number, that is, 01 for January, 02 for February, etc Month Year		
1-6.	During the LAST school year (2016-17), what was your MAIN activity? Mark (X) only ONE box which best applies to how you spent the MOST time LAST school year. If you were a substitute or itinerant teacher, please mark (X) the box which best applies to your MAIN activity LAST school year.			
		Teaching in this school		
		Teaching in another public elementary, middle, or secondary school IN THIS SCHOOL SYSTEM		
		Teaching in a public elementary, middle, or secondary school IN A DIFFERENT SCHOOL SYSTEM IN THIS STATE		
		Teaching in a public elementary, middle, or secondary school IN ANOTHER STATE		
		Teaching in a PRIVATE elementary, middle, or secondary school		
		Teaching in a preschool		
		Teaching at a college or university		
		Student at a college or university		
		Working in a position in the field of education, but not as a teacher		
		Working in a position outside the field of education		
		On leave (e.g., maternity or paternity leave, disability leave, sabbatical)		
		Caring for family members, but not on leave (e.g., homemaking, childrearing)		
		Military service		
		Unemployed and seeking work		
	Retired from another job			
	☐ Other – please specify →			



1-7.	When did you FIRST begin teaching, either full-time or part-time, at the K-12 or comparable ungraded level? Do NOT include time spent as a student teacher. Enter the month AND year. Report month as a number, that is, 01 for January, 02 for February, etc. Month Year
1-8.	In how many schools have you taught, either full-time or part-time, at the K-12 or comparable ungraded level? • Do NOT include time spent as a student teacher. Schools
1-9.	Excluding time spent on maternity/paternity leave or sabbatical, how many school years have you worked, either full-time or part-time, as a K-12 or comparable ungraded level teacher in public, public charter, or private schools? Include the current school year. Do NOT include time spent as a student teacher. Report years to the nearest whole year, not fractions or months. School years

ASS ORGANIZATIO	
Do you currently teach • Please mark (X) Yes of	students in any of these grades at THIS school? or No for each grade level.
Prekindergarten	☐ Yes ☐ No
Kindergarten	☐ Yes ☐ No
1st	☐ Yes ☐ No
2nd	☐ Yes ☐ No
3rd	☐ Yes ☐ No
4th	☐ Yes ☐ No
5th	☐ Yes ☐ No
6th	☐ Yes ☐ No
7th	☐ Yes ☐ No
8th	☐ Yes ☐ No
9th	☐ Yes ☐ No
10th	☐ Yes ☐ No
11th	☐ Yes ☐ No
12th	☐ Yes ☐ No
Ungraded	☐ Yes ☐ No
Program (IEP) because	teach at THIS school, how many have an Individualized Education they have disabilities or are special education students? ents who have only a 504 plan. (X) the box. Students
INOTIE OI	Students

2-3.	Of all the students you teach at THIS school, how many are of limited-English proficiency (LEP) or are English-language learners (ELLs)? (Students of limited-English proficiency [LEP] or English-language learners [ELLs] are those whose native or dominant language is other than English and who have sufficient difficulty speaking, reading, writing, or understanding the English language as to deny them the opportunity to learn successfully in an English-speaking-only classroom.) If none, please mark (X) the box. Students			
2-4.	Using Table 1 on page 10, this school year, in what subject is your MAIN teaching assignment at THIS school, that is, the subject matter in which you teach the most classes? **Record one of the main teaching assignment codes and labels from Table 1 on page 10.			
	Main Teaching Assignment Code	Main Teaching Assignment Label		
2-5.	Are you intentionally assigned to instruct the same group of students for more (e.g., looping)? Yes No	e than one year		
2-6a.	a. During any of your classes, do you have students use instructional software to learn some or all of their lessons?			
Ţ				
b.	 b. Does any of the instructional software the students use AUTOMATICALLY ADJUST the level of instruction to an individual student's performance? 			
	□ Yes			
	□ No			

2-7.	Which statement best describes the way YOUR classes at THIS school are organized? • Mark (X) only one box.		
	You instruct several classes of different students most or all of the day in one or more subjects (sometimes called Departmentalized Instruction).		
	You are an elementary school teacher who teaches only one subject to different classes of students (sometimes called an Elementary Subject Specialist).		
	You instruct the same group of students all or most of the day in multiple subjects (sometimes called a Self-Contained Class).		
	You are one of two or more teachers, in the same class, at the same time, and are jointly responsible for teaching the same group of students all or most of the day (sometimes called Team Teaching).		
	You instruct a small number of selected students released from or in their regular classes in specific skills or to address specific needs (sometimes called a "Pull-Out" Class or "Push-In" Instruction).		
2-8.	Which box did you mark in item 2-7 above?		
	□ Box 1 or 2 → GO TO item 2-12 on page 11.		
	Box 3 or 4		
	□ Box 5 → GO TO item 2-10 below.		
2-9.	During your most recent FULL WEEK of teaching at THIS school, what is the total number of students enrolled in the class you taught?		
2-10.	During your most recent FULL WEEK of teaching at THIS school, what is the average number of students you taught at any one time? Students		

sp •	 During your most recent FULL WEEK of teaching, approximately how many minutes did YOU spend teaching each of the following subjects at THIS school? If you taught two or more subjects at the same time, apportion the time to each subject the best you can. If you did not teach a particular subject during the week, mark (X) the "None" box. 			
a.	English, reading, or language arts (including reading and writing)			
	Minutes per day Days per week			
Г	None or for			
	(1) Of these minutes, how many were designated for reading instruction? Minutes per day Days per week			
	None or for			
	GO TO item 2-11b below.			
b.				
	Minutes per day Days per week			
	□ None or for			
c.	Social studies or history			
	Minutes per day Days per week None or for			
d.				
	Minutes per day Days per week			
	□ None or for			
	GO TO Section 3 on page 12.			
	o vo comen o en pago 121			

Table 1. Main Teaching Assignment and Subject-matter Codes and Labels For Questions 2-4 and 2-13

General Education Codes and Labels

Elementary Education

101 Early childhood or pre-K, general

102 Elementary grades, general 103 Middle grades, general

Special Education

110 Special education, any

Subject-matter Specific Codes and Labels

Arts and Music

141 Art or arts and crafts

142 Art history 143 Dance

144 Drama or theater

145 Music

English and Language Arts

151 Communications

152 Composition 153 English

154 Journalism

155 Language arts

157 Literature or literary criticism

158 Reading 159 Speech

English as a Second Language (ESL)

160 ESL or bilingual education: General
161 ESL or bilingual education: Spanish
162 ESL or bilingual education: Other

languages

Foreign Languages

171 French

172 German 173 Latin

174 Spanish

175 Other foreign language

Health Education

181 Health education

182 Physical education

Mathematics and Computer Science

191 Algebra I

192 Algebra II

193 Algebra III

194 Basic and general mathematics

195 Business and applied math

196 Calculus and pre-calculus

197 Computer science

198 Geometry

199 Pre-algebra

200 Statistics and probability

201 Trigonometry

Natural Sciences

210 Science, general

211 Biology or life sciences

212 Chemistry

213 Earth sciences

214 Engineering

215 Integrated science

216 Physical sciences

217 Physics

218 Other natural sciences

Social Sciences

220 Social studies, general

221 Anthropology

222 Area or ethnic studies (excluding

Native American studies)

225 Economics

226 Geography

227 Government or civics

228 History

231 Native American studies

232 Political Science

233 Psychology

234 Sociology

235 Other social sciences

Career or Technical Education

241 Agriculture and natural resources

242 Business management

243 Business support

244 Marketing and distribution

245 Healthcare occupations

246 Construction trades, engineering, or science technologies (including CADD and drafting)

247 Mechanics and repair

249 Manufacturing or precision production (electronics, metalwork, textiles, etc.)

250 Communications and related technologies (including design, graphics, or printing; not

including computer science)
253 Personal and public services

(including culinary arts, cosmetology, child care, social work, protective services, custodial services, and interior design)

254 Family and consumer sciences education

255 Industrial arts or technology education

256 Other career or technical education

Miscellaneous

262 Driver education

264 Library or information science

265 Military science or ROTC

266 Philosophy

267 Religious studies, theology, or divinity

Other

268 Other

NOTE: Items 2-12 and 2-13 are for teachers who marked box 1 or 2 for item 2-7 on page 8. If you marked box 3, 4, or 5 for item 2-7 → GO TO Section 3 on page 12. How many separate class periods or sections do you currently teach at THIS school? Do NOT include homeroom periods or study halls. (Example: If you teach 2 classes or sections of chemistry I, a class or section of physics I, and a class or section of physics II, you would report 04 classes or sections.) Number of classes or sections Using Table 1 on page 10, for EACH class period or section that you reported in item 2-12, record the subject-matter code, subject-matter label, grade level code, and number of students. If you teach a class or section with more than one grade level, list the grade level with the most students in column C and record the total number of students in column D. **★** If you reported more than 10 periods or sections in item 2-12, report on only 10 of those periods or sections. Subject-Matter Code from Table 1 Subject-Matter Label from Table 1 **Grade Level Code Number of Students** from list below 192 33 IIIAlgebra II Example (1) (2) (3)(4) (5)(6)(7)(8)(9)(10)**Grade Level Codes** If your class period or section has students from more than one grade level (i.e., MIXED GRADES), please list the grade with the most students. Prekindergarten 07 7th grade KG Kindergarten 08 8th grade 01 1st grade 09 9th grade 10 10th grade 02 2nd grade 03 3rd grade 11th grade 11 04 4th grade 12 12th grade 05 5th grade UG Ungraded 06 6th grade

3. EDU	3. EDUCATION AND TRAINING			
3-1a.	Do you have a bachelor's degree? • If you have more than one bachelor's degree, information about additional degrees will be asked in item 3-3 on page 15.			
Ţ	YesNo → GO TO item 3-3 on page			
b.	Name of college or university	e or university where you earned this degree?		
	In what city and state is it locat	red?	State	
	☐ Located outside the United	States		
c.	In what year did you receive yo	ur bachelor's degree?		
d.	Which of the following best describes your bachelor's degree? Mark (X) only one box. It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education 			
e.	Using Table 2 on page 13, what	was your major field of study?		
	Major Field of Study Code		Major Field of Study Label	
f.	Did you have a second major field of study? • Do NOT report academic minors or concentrations.			
Ţ	YesNo → GO TO item 3-1h on page	e 14.		
g.	Using Table 2 on page 13, what Do NOT report academic minor	t was your second major field of study? rs or concentrations.		
	Major Field of Study Code		Major Field of Study Label	



Table 2. Major and Minor Fields of Study Codes and Labels For Questions 3-1e, 3-1g, 3-1i, 3-2e, and 3-3b

General Education Codes and Labels

101 102 Secon 103 104 Specia	ntary Education Early childhood or pre-K, general Elementary grades, general dary Education Middle grades, general Secondary grades, general	Other 131 132 133 134 135 136	Education Administration Counseling and guidance Educational psychology Policy studies School psychology Other non-subject-matter-specific education
110	Special education, any		
	Subject-matter Specific		
	nd Music Art or arts and crafts	222	Area or ethnic studies (excluding Native American studies)
	Art history	223	Criminal justice
	Dance	224	Cultural studies
	Drama or theater	225	Economics
	Music	226	Geography
Englis	h and Language Arts	227	Government or civics
	Communications	228	History
	Composition	229	International studies
	English	230	Law
_	Journalism	231 232	Native American studies
	Language arts	232	Political science Psychology
	Linguistics	234	Sociology
157 158	Literature or literary criticism	235	Other social sciences
159	Reading Speech		or Technical Education
	·	241	Agriculture and natural resources
	h as a Second Language (ESL)	242	Business management
160 161	ESL or bilingual education: General ESL or bilingual education: Spanish	243	Business support
162	ESL or bilingual education: Other	244	Marketing and distribution
	languages	245	Healthcare occupations
		246	Construction trades, engineering, or
	n Languages French		science technologies (including CADD and
	German	0.47	drafting)
	Latin	247	Mechanics and repair
	Spanish	249	Manufacturing or precision production (electronics, metalwork, textiles, etc.)
	Other foreign language	250	Communications and related technologies
Health	Education	230	(including design, graphics, or printing; not
181	Health education		including computer science)
182	Physical education	253	Personal and public services
Mathe	matics and Computer Science		(including culinary arts, cosmetology, child
190	Mathematics		care, social work, protective services,
197	Computer science	054	custodial services, and interior design)
200	Statistics and probability	254 255	Family and consumer sciences education Industrial arts or technology education
Natura	I Sciences	256	Other career or technical education
211	Biology or life sciences		
212	Chemistry	Miscell 261	laneous Architecture
213	Earth sciences	263	Humanities or liberal studies
	Engineering	264	Library or information science
	Physics Other natural sciences	265	Military science or ROTC
		266	Philosophy
	Sciences	267	Religious studies, theology, or divinity
	Social studies, general	Other	
221	Anthropology	260	Othor

268

Other

3-1h.	Did you have a minor field of study?	
Г	Yes	
	□ No → GO TO item 3-2a below.	
i.	Using Table 2 on page 13, what was your minor field of study?	
	Minor Field	Minor Field
	of Study Code	of Study Label
3-2a.	 Do you have a master's degree? If you have more than one master's degree, information about additional degrees in item 3-3 on page 15. 	will be asked
Г	□ Yes	
1	□ No → GO TO item 3-3 on page 15.	
b.	Was at least a portion of the cost of your master's degree paid for by a STATE SCHOOL DISTRICT in which you taught?	, SCHOOL, or
	□ Yes	
	□ No	
C.	In what year did you receive your master's degree?	
	Year	
d.	Which of the following best describes your master's degree? • Mark (X) only one box.	
	It was awarded by your school's College of Education, School of Education, or of Education	Department
	☐ It was awarded by another college, school, or department, not in education	
e.	Using Table 2 on page 13, what was your major field of study for your master's	degree?
	Major Field of Study Code	Major Field of Study Label

3-3. Have y	ou earned any of the degrees or certific	cates listed below?	
	es o → GO TO item 3-4 on page 16.		
a. Degree or certificate	b. Using Table 2 on page 13, what was your major field of study for each degree or certificate?	c. Which of the following best describes each degree or certificate? • Mark (X) only one box.	d. In what year?
(1) Vocational certificate	Major Field of Study Code Major Field of Study Label		Year
(2) Associate's degree	Major Field of Study Code Major Field of Study Label		Year
(3) SECOND Bachelor's degree	Major Field of Study Code Major Field of Study Label	It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education	Year
(4) SECOND Master's degree	Major Field of Study Code Major Field of Study Label	It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education	Year
(5) Educational specialist or professional diploma (at least one year beyond a master's level)	Major Field of Study Code Major Field of Study Label	It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education	Year
(6) Certificate of Advanced Graduate Studies	Major Field of Study Code Major Field of Study Label	It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education	Year
(7) Doctorate or first professional degree (Ph.D., Ed.D., M.D., J.D., D.D.S.)	Major Field of Study Code Major Field of Study Label	It was awarded by your school's College of Education, School of Education, or Department of Education It was awarded by another college, school, or department, not in education	Year



3-4.	teac	e you ever taken any graduate or undergraduate courses that focused SOLELY on hing methods? o NOT include student teaching (sometimes called practice teaching). o NOT include professional development courses, workshops, or seminars.
		Yes → How many courses? • Mark (X) only one box.
		1 or 2 courses
		☐ 3 or 4 courses
		□ 5 to 9 courses
		☐ 10 or more courses
3-5.	Did y	you take any of the courses you marked in 3-4 before your first year of teaching?
		Yes
		No
3-6.	BEF whic	ORE your first year of teaching, did you take any graduate or undergraduate courses
	a. (Classroom management techniques?
		□ Yes
		□ No
	b. I	Lesson planning?
		□ Yes
		□ No
	c. I	How to assess learning?
		Yes
		□ No
	d. I	How to use student performance data to inform instruction?
		Yes
		□ No
	e. I	How to serve students from diverse economic backgrounds?
		Yes
		□ No

3-6.	Continued – BEFORE your first year of teaching, did you take any graduate or undergraduate courses which taught you —
	f. How to serve students with special needs?
	Yes
	□ No
	g. How to teach students who are limited-English proficient (LEP) or English-language learners (ELLs)?
	□ Yes
	□ No
3-7a.	Did you have any student teaching (sometimes called practice teaching)?
	□ Yes
	□ No → GO TO Section 4 on page 18.
♥ b.	In how many different classrooms did you student teach?
ν.	Mark (X) only one box.
	☐ 3 or more
C.	How long did your student teaching last? • If you student taught in more than one classroom, report the total amount of time spent student
	teaching across all assignments. • Mark (X) only one box.
	☐ 4 weeks or less
	5-7 weeks
	□ 8-11 weeks
	☐ 12 weeks or more

4. CEF	RTIFICATION
4-1.	Did you enter teaching through an alternative route to certification program? (An alternative route to certification program is a program that was designed to expedite the transition of nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.) Yes No
allows plus se	ext series of questions is about state certification. Please read the questions carefully. This section teachers to report UP TO TWO current teaching certificates in the state where they are teaching, everal content areas per certificate, if applicable. Those who have only one certificate that applies to be content area DO NOT have to fill out the entire section and should follow the GO TO instructions. Which of the following describes the teaching certificate you currently hold that certifies you to teach in THIS state? Mark (X) only one box. If you currently hold more than one of the following, a second certification may be listed in item 4-3. Regular or standard state certificate or advanced professional certificate Certificate issued after satisfying all requirements except the completion of a probationary period (in some states this is called a probationary certificate) Certificate that requires some additional coursework, student teaching, or passage of a test before regular certification can be obtained (in some states this is called a temporary or provisional certificate) Certificate issued to persons who must complete a certification program in order to continue teaching (in some states this is called a waiver or emergency certificate) I do not hold any of the above certifications in THIS state → GO TO Section 5 on page 22. Using Table 3 on page 19, in what content area(s) and grade range(s) does the teaching
	certificate marked above certify you to teach in THIS state? (For some teachers, the content area may be special education or the grade level.) If this certificate certifies you to teach in more than one content area, you may report additional content areas in later items. If your certificate does not restrict you to a specific grade range(s), mark (X) all three grade ranges.
	(1) Content Area (2) Grade Range of Certificate (Mark (X) all that apply)
	Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8 At least one of grades 9-12
C.	Does this certificate marked in item 4-2a certify you to teach in additional content areas? Yes → GO TO item 4-2d on page 20. No → GO TO item 4-3a on page 20.



Table 3. Certification Content Area Codes and Labels For Questions 4-2b, 4-2d, 4-3c, and 4-3e

	General Education C	odes a	nd Labels
Eleme	entary Education	Spec	ial Education - Continued
101	Early childhood or Pre-K, general	117	Learning disabilities
102	Elementary grades, general	118	Intellectual disabilities
103	Middle grades, general	119	Mildly or moderately disabled
Sagar	ndony Education	120	Orthopedically impaired
	ndary Education	121	Severely or profoundly disabled
103	Middle grades, general	122	Speech or language impaired
104	Secondary grades, general	123	Traumatically brain-injured
Speci	ial Education	124	Visually impaired
111	Special education, general	125	Other special education
112	Autism	Gene	ral Administration
113	Deaf and hard-of-hearing	131	Administration
114	Developmentally delayed	132	Counseling and guidance
115	Early childhood special education	132	Couriseing and guidance
116	Emotionally disturbed or behavior disorders		
	Subject-matter Specific	Codes	and I ahels

Arts and Music 141 Art or arts and crafts 142 Art History 143 Dance 144 Drama or theater 145 Music 226 Geography 151 Communications 152 Composition 153 English 154 Journalism 155 Language arts 156 Reading 157 Speech 158 Reading 150 Speech 150 Speech 151 Art History 222 Area or ethnic studies (excluding Native American studies) 225 Economics 226 Geography 227 Government or civics 228 History 231 Native American studies 232 Political Science 233 Psychology 234 Sociology 235 Other social sciences Career or Technical Education	
142Art History221Anthropology143Dance222Area or ethnic studies (excluding Native American studies)144Drama or theater225Economics145Music225EconomicsEnglish and Language Arts226Geography151Communications227Government or civics152Composition231Native American studies153English232Political Science154Journalism233Psychology155Language arts234Sociology157Literature or literary criticism235Other social sciences158ReadingOther social sciences	Arts
143Dance222Area or ethnic studies (excluding Native144Drama or theaterAmerican studies)145Music225EconomicsEnglish and Language Arts226Geography151Communications227Government or civics152Composition231Native American studies153English232Political Science154Journalism233Psychology155Language arts234Sociology157Literature or literary criticism235Other social sciences158Reading	141
144 Drama or theater 145 Music English and Language Arts 151 Communications 152 Composition 153 English 154 Journalism 155 Language arts 157 Literature or literary criticism 158 Reading American studies) 226 Geography 227 Government or civics 128 History 231 Native American studies 232 Political Science 233 Psychology 234 Sociology 235 Other social sciences	142
145Music225EconomicsEnglish and Language Arts226Geography151Communications227Government or civics152Composition238History153English231Native American studies154Journalism232Political Science155Language arts233Psychology157Literature or literary criticism235Other social sciences158ReadingOther social sciences	143
English and Language Arts 151 Communications 152 Composition 153 English 154 Journalism 155 Language arts 157 Literature or literary criticism 158 Reading 226 Geography 227 Government or civics 228 History 231 Native American studies 232 Political Science 233 Psychology 234 Sociology 235 Other social sciences	144
English and Language Arts 151 Communications 152 Composition 153 English 154 Journalism 155 Language arts 157 Literature or literary criticism 158 Reading 227 Government or civics History 231 Native American studies Political Science 232 Psychology 233 Psychology 234 Sociology Other social sciences	145
151 Communications 152 Composition 153 English 154 Journalism 155 Language arts 157 Literature or literary criticism 158 Reading 228 History 231 Native American studies 232 Political Science 233 Psychology 234 Sociology 235 Other social sciences	Enal
152 Composition 231 Native American studies 153 English 232 Political Science 154 Journalism 233 Psychology 155 Language arts 157 Literature or literary criticism 158 Reading 25 History 231 Native American studies 232 Political Science 233 Psychology 234 Sociology 235 Other social sciences	
153 English 232 Political Science 154 Journalism 233 Psychology 155 Language arts 234 Sociology 157 Literature or literary criticism 235 Other social sciences 158 Reading	_
154 Journalism 233 Psychology 155 Language arts 234 Sociology 157 Literature or literary criticism 235 Other social sciences 158 Reading	
155 Language arts 234 Sociology 157 Literature or literary criticism 158 Reading 234 Sociology 235 Other social sciences	
157 Literature or literary criticism 235 Other social sciences 158 Reading	_
158 Reading	
→	
	158
159 Speech Career or Technical Education 241 Agriculture and natural resources	159
English as a Second Language (ESL) 242 Business management	Engl
160 ESL or bilingual education: General 243 Business support	160
161 ESL or bilingual education: Spanish 244 Marketing and distribution	161
162 ESL or bilingual education: Other 245 Healthcare occupations	162
languages 246 Construction trades, engineering, or science	
Foreign Languages technologies (including CADD and drafting	Fore
171 French 247 Mechanics and repair	
249 Manufacturing or precision production	
(electronics, metalwork, textiles, etc.)	
174 Spanish 250 Communications and related technologies	
175 Other foreign language (Including design, graphics or printing, not	
including computer science)	175
Health Education 253 Personal and public services	Heal
181 Health education (including culinary arts, cosmetology, child	181
182 Physical education care, social work, protective services,	182
custodial services, and interior design)	N/I = 4 I=
Mathematics and Computer Science 254 Family and consumer sciences education	watn
190 Mathematics 255 Industrial arts or technology education	
197 Computer science 256 Other career or technical education	
200 Statistics and probability Miscellaneous	200
Natural Sciences 262 Driver education	Natu
210 Science, general 263 Humanities or liberal studies	210
211 Biology or life sciences 264 Library or information science	211
212 Chemistry 265 Military science or ROTC	212
213 Earth sciences 266 Philosophy	213
216 Physical sciences 267 Religious studies, theology, or divinity	216
217 Physics Other	217
218 Other natural sciences 268 Other	218

4	in which this certificate certifie	s you	ord all ADDITIONAL content areas and grade ranges to teach: u to a specific range(s), mark (X) all three ranges.
	Additional Content Area		Grade Range of Certificate (Mark (X) all that apply)
(1)	Content Area Code		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8
	Content Area Label		
			At least one of grades 9-12
(2)	Content Area Code		Early childhood, preschool, or at least one of grades K-5
	Content Area Label		At least one of grades 6-8
			At least one of grades 9-12
(3)	Content Area Code		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8
	Content Area Label		· ·
			At least one of grades 9-12
(4)	Content Area Code		Early childhood, preschool, or at least one of grades K-5
	Content Area Label		At least one of grades 6-8
			At least one of grades 9-12
4	-3a. Do you have another current to ☐ Yes ☐ No → GO TO Section 5 on page		g certificate that certifies you to teach in THIS state?
	b. Which of the following describ Mark (X) only one box.	es this	s current teaching certificate you hold in THIS state?
	Regular or standard state of	ertifica	te or advanced professional certificate
	period (in some states this	is calle	all requirements except the completion of a probationary ed a probationary certificate) itional coursework, student teaching, or passage of a test
	before regular certification of provisional certificate)	can be	obtained (in some states this is called a temporary or
			must complete a certification program in order to continue alled a waiver or emergency certificate)



4-	certificate marked in question (For some teachers, the content If this certificate certifies you to content areas in later items.	4-3b o area m o <i>teacl</i>	ontent area(s) and grade range(s) does the teaching in page 20 certify you to teach in THIS state? hay be special education or the grade level.) h in more than one content area, you may report additional u to a specific grade range(s), mark (X) all three grade ranges.
	(1) Content Area		(2) Grade Range of Certificate (Mark (X) all that apply)
	Content Area Code Content Area Label		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8 At least one of grades 9-12
	Yes No → GO TO Section 5 on page	ne 22.	4-3b certify you to teach in additional content areas?
	in which this certificate certifie	s you	cord all ADDITIONAL content areas and grade ranges to teach: u to a specific grade range(s), mark (X) all three grade ranges.
	Additional Content Area		Grade Range of Certificate (Mark (X) all that apply)
(1)	Content Area Code Content Area Label		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8
			At least one of grades 9-12
(2)	Content Area Code Content Area Label		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8 At least one of grades 9-12
(3)	Content Area Code Content Area Label		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8 At least one of grades 9-12
(4)	Content Area Code Content Area Label		Early childhood, preschool, or at least one of grades K-5 At least one of grades 6-8 At least one of grades 9-12

		school? X) only on	I was not a tell was not evaluevery 2 or more This school dell was not evalue Go	eacher at this luated becausore years oes not conducted for an TO item 6-1a or	school last y se I am only uct teacher e other reason	ear evaluated evaluations	
	aluation process LAST					box on each	
				Strongly Disagree		Somewhat Agree	Strongly Agree
a.	Overall, the evaluation	process v	was fair.				
b.	The evaluation process is known about good to	was bas eaching p	sed on what practice.				
C.	I had a strong understa would be evaluated at t	anding of this scho	how I ol.				
	The evaluation process determine whether I hawith my students.	s helped r ld been s	me to uccessful				
e.	The evaluation process effect on my teaching.	s had a po	ositive				
f.	Overall, the evaluation improved student learn	process ling.	led to				
g.	The results of my evalu	uation we	re accurate.				
e. f.	The evaluation process effect on my teaching. Overall, the evaluation improved student learn	process ling.	led to				

5-3.	
	Did you receive feedback from your evaluation LAST school year (2016-17)?
	□ Yes
	No → GO TO item 5-5 below.
\	NO 3 GO TO Rem 5-3 below.
5-4a.	Did you receive feedback on your teaching methods from your evaluation LAST school year (2016-17)?
	□ Yes
	□ No
b.	Did you receive feedback on how well you were meeting the school's performance goals from your evaluation LAST school year (2016-17)?
	□ Yes
	□ No
C.	Have you used the feedback you received from your evaluation LAST school year (2016-17), to improve your teaching?
	□ Yes
	□ No
 5-5.	Was neutralization in professional devalorment considered during very evaluation I ACT
5-5.	Was participation in professional development considered during your evaluation LAST school year (2016-17)?
	□ Yes
	□ No
	LI NO

6. TEACHER PROFESSIONAL DEVELOPMENT

6-1. During the past 12 months, how frequently, if at all, did you participate in each of the following professional development activities?

• If an activity occurred all day for several days, but less than one month of the year in total, please mark "Once or a few times a year"

		Mark (X) one box on each line.				
		Did not participate	Once or a few times a year	Once or a few times a month	Once or a few times a week	
a.	Planned lessons or courses with other teachers					
b.	Consulted with other teachers about individual students					
C.	Collaborated with other teachers on issues of instruction excluding administrative meetings					
d.	Acted as a coach or mentor to other teachers or staff					
e.	Received coaching or mentoring from other teachers or staff					
f.	Participated in online or web-based professional development					
g.	Participated in a workshop					
h.	Attended a conference					

		Mark (X) one box on each line.				
		Did not participate	8 hours or less	9-16 hours	17-32 hours	33 hours or more
	Professional development that directly relates to your teaching assignment					
	Professional development on using technology to support instruction					
	Professional development on teaching Science, Technology, Engineering or Mathematics (STEM), or incorporating STEM into other subjects					
	Professional development on classroom and behavior management					
	Professional development on instruction strategies to teach students with disabilities or IEPs					
	Professional development on differentiated instruction for all students					
_	Professional development on preparing students to take annual assessments					
	Professional development on analyzing and interpreting student achievement data					
mo	nsidering all of the professional donths, how relevant was it to your Mark (X) only one box.			ated in durir	ng the past	12
	Did not complete any professional	development	in the past 1	2 months →	GO TO item 6-	7 on page 27
	Not relevant at all					
	Somewhat relevant					
	Very relevant					

6-4a.	dev	ing the past 12 months, how often did you incorporate what you learned in professional elopment into your teaching? Mark (X) only one box
	- 🗆	Never → GO TO item 6-5 below.
		Rarely
		Often
		Always
b.		ing the past 12 months, did you receive feedback about how you incorporated what you ned from professional development into your teaching?
		Yes
\		No
6-5.		a result of completing any professional development activities in the past 12 months, did receive credits toward re-certification or advanced certification?
		Yes
		No
6-6.	Dur	ing the past 12 months, did you receive any of the following types of support?
	a.	Release time from teaching to attend professional development
		□ Yes
		□ No
	b.	Funding or reimbursement for attending conferences or workshops for professional development
		□ Yes
		□ No
	C.	Funding or reimbursement for travel and/or daily expenses to attend professional development
		□ Yes
		□ No
	d.	Full or partial reimbursement of college tuition for courses related to professional development
		□ Yes
		□ No
	e.	Stipend for professional development activities that took place outside regular work hours
		□ Yes
		□ No

6-7. To what extent do you agree or disagree with the following statements about YOUR professional development as a teacher at THIS school?					
		ú Λ	Nark (X) one	box on each	line.
		Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree
	a. I have sufficient resources available for my professional development.				
	b. I have access to about the same amount of resources for professional development as other teachers.				
	c. My professional development opportunities are aligned with this school's performance goals.				
	d. The techniques I am learning about in my professional development will help improve student achievement.				
	e. I feel capable of incorporating the kinds of techniques I am learning about in my professional development.				
	f. The types of professional development available to me are consistent with my own professional goals.				
	g. I have the opportunity to provide feedback to school leaders about my professional development experience to determine its value and impact.				
6-8.	Does THIS school provide teachers with time for during regular contract hours?	INDIVIDUAL	_ profession	al developm	ent
	Yes				
	□ No				
6-9.	Does THIS school provide teachers with time for during regular contract hours?	TEAM-BAS	ED profession	onal develop	ment
	Yes				
	No				

7. TEACHER ENGAGEMENT

7-1. To what extent do you agree or disagree with the following statements about your work at this school?

		Mark (X) one box on each line.				
		Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree	
a.	The stress and disappointments involved in teaching at this school aren't really worth it.					
b.	The teachers at this school like being here; I would describe us as a satisfied group.					
c.	I like the way things are run at this school.					
d.	If I could get a higher paying job I'd leave teaching as soon as possible.					
e.	I think about transferring to another school.					
f.	I don't seem to have as much enthusiasm now as I did when I began teaching.					
g.	I think about staying home from school because I'm just too tired to go.					

8. GENERAL EMPLOYMENT AND BACKGROUND INFORMATION							
The following questions refer to your BEFORE-TAX earnings from teaching and other employment.							
8-1. DURING THE SUMMER OF 2017, did you have any earnings from — **Proposition of the summer of the							
a. Teaching summer school in this school or any other school?							
☐ Yes → How much?							
¬ No							
(1) Did all of these earnings come from your current school?							
□ Yes							
□ No							
GO TO item 8-1b below.							
b. Working in a non-teaching job in this school or any other school?							
☐ Yes → (How much? \$.00							
(1) Did all of these earnings come from your current							
school?							
Yes							
□ No							
GO TO item 8-1c below.							
▼ c. Working in any NONSCHOOL job?							
Ves → How much?							
Yes → How much? \$.00							
GO TO item 8-2 below.							
♦ How many days are covered by your contract, per contract year?							
Include professional development, student contact days, and any other days covered by your contract.							
Days per contract year							
8-3. DURING THE CURRENT SCHOOL YEAR, what is your base teaching salary for the entire school year?							
Report amounts in whole dollars.							
\$.00 For the entire school year							

8-4.	fron	n this school s vity sponsorsh	ystem for extracurri	AR, do you, or will you, earn any a cular or additional activities such ers, or teaching evening classes?	as coaching, student
		Yes →	How much?	\$ 00,000.00	
		No		GO TO item 8-5 below.	
\downarrow				CO TO ROM O O BOIOW.	
8-5.	fron pay	n this school s -for-performan	RENT SCHOOL YEA ystem based on you ce agreement)? in whole dollars.	AR, do you, or will you, earn any a ur students' performance (e.g., thi	dditional compensation ough a merit pay or
		Yes →	How much?	\$ 00 00 .00	
		No			
\downarrow				GO TO item 8-6 below.	
8 -6.	fron	n this school so NOT report a		AR, have you earned income from ate supplement, etc.? eported.	any OTHER sources
		Yes →	How much?	\$ 00 000.00	
		No		Ψ .00	
				GO TO item 8-7a below.	
8-7a.	from	n working in an	RENT SCHOOL YEA by job OUTSIDE this in whole dollars.	R, do you, or will you, earn addit school system?	ional compensation
		Yes →	How much?	\$ 00	
				\$.00	
				GO TO item 8-7b below.	
		No → GO TO	item 8-8 on page 31.		
h	\A/In:	ah af thaaa ha		OUTSIDE this cabaal aviatams?	
b.		lark (X) only one		OUTSIDE this school system?	
		Teaching or to	utoring		
		Non-teaching,	but related to teaching	ng field	
		Other			

8-8.	During the CURRENT SCHOOL YEAR do you, or will you, receive a retirement pension check paid from a teacher retirement system? **Report amounts in whole dollars.**						
		Yes →	How much? \$.00				
		No	GO TO item 8-9 below.				
▼ 8-9.	Are	you a member	r of a teachers' union or an employee association similar to a union?				
		Yes					
		No					
8-10a.	Doe	s your school,	district, or school system offer tenure?				
		Yes					
		No → GO TO in	item 8-11 below.				
b.	Are	you tenured at	t your current school?				
		Yes					
		No					
8-11.	Are	you male or fe	emale?				
		Male					
		Female					
8-12a.	Wha ᡠ M	at is your curre lark (X) only one	ent marital status? e box.				
		Now married -	→ GO TO item 8-13 on page 32.				
		Widowed					
		Separated					
		Divorced					
		Never married					
b.	Are	you currently I	living with a boyfriend/girlfriend or partner?				
		Yes					
		No					

8-13.	Are you of Hispanic or Latino origin?
	□ Yes
	□ No
8-14.	What is your race? • Mark (X) one or more races to indicate what you consider yourself to be.
	□ White
	☐ Black or African-American
	Asian
	Native Hawaiian or Other Pacific Islander
	☐ American Indian or Alaska Native
8-15.	What is your year of birth?

9. FEEDBACK AND TEACHER STRATEGIES						
	Your responses to this section of questions will help researchers and policy makers make					

9-1.	When did you complete formal education or training that qualified you to teach?
	Enter a four-digit year.

An approxi	imate year	is	sufficient.
Year			
0000			

9-2. In this school, who uses the following types of information to provide feedback to you?

(External individuals or bodies refer to, for example, inspectors, municipality representatives, or other persons from outside the school.)

		🍎 M	ark (X) all that	apply on each	line.
		External individuals or bodies	School principal or member(s) of the school management team	Other colleagues within the school (not part of the school management team)	I have never received this feedback in this school
a.	Observation of my classroom teaching				
b.	Student survey responses related to my teaching				
c.	Assessment of my content knowledge				
d.	My students' external results (e.g., national test scores)				
e.	School-based and classroom-based results (e.g., performance results, project results, test scores)				
f.	Self-assessment of my work (e.g., presentation of a portfolio assessment, analysis of my teaching using video)				

If you answered 'I have never received this	
feedback in this school' to all of the above →	Please GO TO item 9-5 on page 35.

			, •
	inking about the feedback you have received during the last sitive change in any of the following aspects of your work as		t lead to a
		, ,	box on each line.
		Yes	No
a.	Knowledge and understanding of my main subject field(s)		
b.	Methods of teaching in my main subject field(s)		
C.	Use of student assessments to improve student learning		
d.	Classroom management		
e.	Methods for teaching students with special needs	earning	
f.	Methods for teaching in a multicultural or multilingual setting		
g.	Feedback to other teachers about their teaching		
h.	Collaboration or working with other teachers		
i.	Confidence as a teacher		
j.	Motivation as a teacher		
k.	Job satisfaction		
I.	Participation in professional development activities		
m.	Other, please specify		

		ú Λ	Nark (X) one	box on each	line.
		Not at all	Very little	To some extent	A Ic
a.	Get students to believe they can do well in school work				
b.	Help my students value learning				
c.	Craft good questions for my students				
d.	Control disruptive behavior in the classroom				
e.	Motivate students who show low interest in school work				
f.	Make my expectations about student behavior clear				
g.	Help students think critically				
h.	Get students to follow classroom rules				
i.	Calm a student who is disruptive or noisy				
j.	Use a variety of assessment strategies				
k.	Provide an alternative explanation for example when students are confused				
I.	Vary instructional strategies in my classroom				
m.	Help students develop cross-curricular skills (e.g., creativity, critical thinking, problem solving)				
n.	Support student learning through the use of digital technology (e.g., computers, tablets, smart boards)				
0.	Support student collaborative learning through the use of digital technology (e.g., computers, tablets, smart boards)				

10. CONTACT INFORMATION

10-1.	Ple	ease PRINT your name, your home address, your cell and home telephone numbers,
	inf All be	e most convenient time to reach you, and your work and home e-mail addresses. This ormation would only be used in the event that we need to contact you for follow-up. of the information you provide may be used only for statistical purposes and may not disclosed, or used, in identifiable form for any other purpose except as required by v (20 U.S.C. §9573 and 6 U.S.C. §151).
	a.	First name
		Middle name
		Last name Suffix
	b.	Street Address
	C.	City
	d.	State
	•	ZIP Code
	e.	
	f.	Cell phone number
	1.	Area code Number
	g.	Home phone number Area code Number
		000-000-0000



h.	Best M	day(s) to reach you lark (X) all that apply.
		Monday
		Tuesday
		Wednesday
		Thursday
		Friday
		Saturday
		Sunday
i.	Best	time of the day to reach you fark (X) only one box.
		a.m.
		p.m.
j.	Worl	k e-mail address
•		
k.	Hom	ne e-mail address
k.	Hom	ne e-mail address
k.	Hom	ne e-mail address
k.	Hom	ne e-mail address
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k.	Hom	ne e-mail address
k.	Hom	ne e-mail address

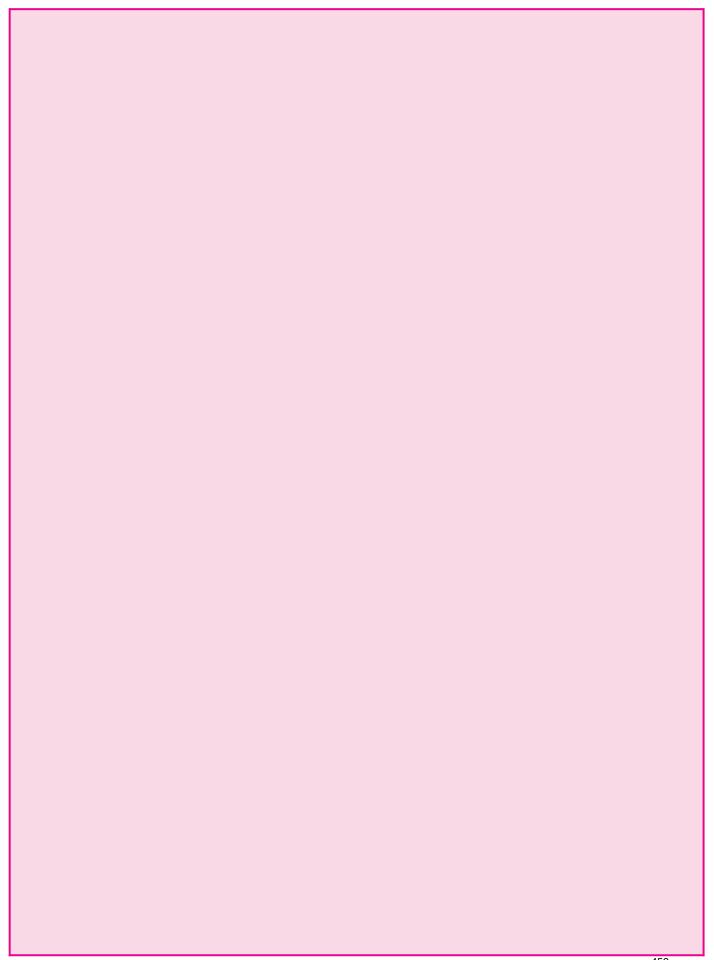
10-2.	Please ent	er the date yo nonth as a num	u completed this questionnaire. sber, that is, 01 for January, 02 for February, etc.
	Month	Day	Year
			201
10-3.			ch time it took you to complete this form, not counting interruptions. in minutes, e.g., 50 minutes, 65 minutes, etc.
		Minutes	

Thank you very much for your participation in this survey. If you have <u>any</u> questions, please contact us, toll-free, at: 1-888-595-1338 or by e-mail at: ntps@census.gov

Please return your completed questionnaire in the enclosed pre-addressed, postage-paid envelope or mail it to:

U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001





To learn more about this survey and to access reports from earlier collections, see the National Teacher and Principal Survey (NTPS) website at: http://nces.ed.gov/surveys/ntps

Additional data collected by the National Center for Education Statistics (NCES) on a variety of topics in elementary, secondary, postsecondary, and international education are available from NCES' website at:

http://nces.ed.gov

For additional data collected by various Federal agencies, including the Department of Education, visit the Federal Statistics clearinghouse at: http://www.fedstats.sites.usa.gov



Appendix I-3: School Questionnaires

Appendix I-3a: Summary of Revisions 2018 Grades 4, 8, and 12 Core

Items will be used at all grades unless otherwise specified.				
Previous item	2018 item	D/A/ R/NC+	Rationale	
1. What is your sex?	1. What is your sex?	NC		
Male	Male			
• Female	• Female			
(2018 Pilot Teacher and School Gender Item)	Issue: Gender			
2. What grades are taught in your school? Select all squares that apply.	2. What grades are taught in your school? Select all squares that apply.	NC		
Pre-kindergarten	Pre-kindergarten			
© Kindergarten	® Kindergarten			
© 1st grade	© 1st grade			
② 2nd grade	② 2nd grade			
① 3rd grade	① 3rd grade			
① 4th grade	① 4th grade			
© 5th grade	© 5th grade			
⊕ 6th grade	® 6th grade			
① 7th grade	① 7th grade			
8th grade	② 8th grade			
⊗ 9th grade	9th grade			
① 10th grade	□ 10th grade			
□ 11th grade	11th grade			
12th grade	12th grade			
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	vill be used at all grades unless otherwise specified. 2018 item	D/A/ R/NC+	Rationale
3. Can your school be described by any of the following? Select all squares that apply.	3. Can your school be described by any of the following? Select all squares that apply.	NC	
Elementary school	Elementary school		
Middle or junior high school	Middle or junior high school		
© Secondary school	© Secondary school		
Regular school with a magnet program	Regular school with a magnet program		
 A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school 	 A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school 		
 Special education school: primarily serves students with disabilities 	Special education school: primarily serves students with disabilities		
 Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education 	 Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education 		
Private independent school	Private independent school		
Private religiously affiliated school	Private religiously affiliated school		
→ Independent charter school	□ Independent charter school		
© Charter school administered by local school district	© Charter school administered by local school district		
Other (Please specify):	Other (Please specify):		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate		
 Please identify the organization(s) listed below to which your school is most closely affiliated. Select all squares that apply. 	 Please identify the organization(s) listed below to which your school is most closely affiliated. Select all squares that apply. 	R	Sub-item j was revised from
American Association of Christian Schools	American Association of Christian Schools		"None of the
Association of Christian Schools International	Association of Christian Schools International		above" to "Not
© Christian Schools International	© Christian Schools International		affiliated with
National Association of Episcopal Schools	National Association of Episcopal Schools		any
National Association of Independent Schools	National Association of Independent Schools		organization" fo
National Catholic Educational Association	National Catholic Educational Association		Ciarrey.
National Society of Hebrew Day Schools	National Society of Hebrew Day Schools		
The Association of Boarding Schools	The Association of Boarding Schools		
Other (Please specify):			
None of the above	Other (Please specify):		
	Not affiliated with any organization		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate		
5. What is the current enrollment in your school?	5. What is the current enrollment in your school?	NC	
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC). Page 2

Grades 4, 8, and 12 Core School Items will be used at all grades unless otherwise specified.			
Previous item	2018 item	D/A/ R/NC+	Rationale
6. Approximately what percentage of fourth-graders in your school is new this year?	6. Approximately what percentage of fourth-graders in your school is new this year?	NC	This item is used at grade 4 only.
(2017 Operational Grade 4)	Issue: School Climate		
6. Approximately what percentage of eighth-graders in your school is new this year?	6. Approximately what percentage of eighth-graders in your school is new this year?	NC	This item is used at grade 8 only.
(2017 Operational Grade 8)	Issue: School Climate		
6. Approximately what percentage of twelfth-graders in your school is new this year?	6. Approximately what percentage of twelfth-graders in your school is new this year?	NC	This item is used at grade 12 only.
(2015 Operational Grade 12)	Issue: School Climate		
7. About what percentage of this year's fourth-graders was held back and is repeating fourth grade?	7. About what percentage of this year's fourth-graders was held back and is repeating fourth grade?	NC	This item is used at grade 4 only.
№ 0%Ф 1–2%	● 0% ● 1–2%		
© 3-5%	© 3–5%		
© 6-10%	Ф 6-10%		
More than 10%	More than 10%		
(2017 Operational Grade 4)	Issue: School Climate		
7. About what percentage of this year's eighth-graders was held back and is repeating eighth grade?	7. About what percentage of this year's eighth-graders was held back and is repeating eighth grade?	NC	This item is used at grade 8 only.
© 0%	◎ 0%		,.
Ф 1-2%	□ 1–2%		
© 3-5%	© 3–5%		
Ф 6-10%	© 6–10%		
© More than 10%	More than 10%		
(2017 Operational Grade 8)	Issue: School Climate		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grades 4, 8, and 12 Core School Items will be used at all grades unless otherwise specified. **Previous item** 2018 item D/A/ Rationale R/NC+ NC 8. Of the students currently enrolled in your school, what percentage has been 8. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient? identified as limited-English proficient? @ 0% @ 0% @ 1-5% @ 1-5% © 6-10% © 6-10% @ 11-25% @ 11-25% D 26-50% D 26-50% D 51-75% D 51-75% @ 76-90% @ 76-90% @ Over 90% @ Over 90% (2016 Pilot Grade 12, 2017 Operational Grades 4 and 8) **Issue:** School Climate NC 9. Last school year, approximately what percentage of students at your school 9. Last school year, approximately what percentage of students at your school enrolled after the first day of school? enrolled after the first day of school? @ 0% Ø 0% @ 1-3% D 1-3% O 4-6% O 4-6% @ 7-10% @ 7-10% D 11-20% D 11-20% ① Over 20% D Over 20% Issue: School Climate (2015 Operational Grade 12, 7 Operational Grades 4 and 8) NC 10. Last school year, approximately what percentage of students at your school left 10. Last school year, approximately what percentage of students at your school left before the end of the school year? before the end of the school year? @ 0% @ 0% D 1-3% D 1-3% O 4-6% O 4-6% @ 7-10% Ф 7-10% D 11-20% D 11-20% D Over 20% D Over 20%

(2015 Operational Grade 12, 2017 Operational Grades 4 and

8)

Issue: School Climate

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grades 4, 8, and 12 Core School				
Items will be used at all grades unless otherwise specified.				
Previous item	2018 item	D/A/ R/NC+	Rationale	
 About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.) 	 About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.) 	NC		
◎ 0-2%				
⊕ 3–5%	© 3-5%			
© 6-10%	© 6-10%			
More than 10%	More than 10%			
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			
12. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)	12. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)	NC		
© 0-2%	⑤ 0−2%			
Ф 3-5%	⊕ 3–5%			
© 6-10%	© 6–10%			
→ More than 10%	More than 10%			
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			
13. Does your school participate in the National School Lunch Program?	13. Does your school participate in the National School Lunch Program?	NC		
⊕ Yes				
• No Questions 4–6 are not applicable and will be skipped. • Output • Description of the skipped of the s	• No Questions 4–6 are not applicable and will be skipped. • Output • Description of the skipped of the s			
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status			
14. How does the school operate the program?	14. How does the school operate the program?	NC		
Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. Question 14 is not applicable and will be skipped.	Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. Question 14 is not applicable and will be skipped.			
 All students in school receive free lunch under special provisions (e.g., Provision 2 or 3). 	All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).			
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	vill be used at all grades unless otherwise specified.		1
Previous item	2018 item	D/A/ R/NC+	Rationale
 If your school distributes free lunch to all students under Provision 2 or 3, what was the base year during which individual student eligibility was collected? 	15. If your school distributes free lunch to all students under Provision 2 or 3, what was the base year during which individual student eligibility was collected?	NC	
This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.	This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.		
© 2017	© 2017		
© 2016	© 2016		
© 2015	© 2015		
© 2014	© 2014		
© 2013	© 2013		
© 2012 or earlier	© 2012 or earlier		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status		
16. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?	16. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?	NC	
© 0%	◎ 0%		
© 1–5%	⊕ 1–5%		
© 6-10%	© 6-10%		
© 11-25%	© 11-25%		
© 26-34%	© 26-34%		
© 35-50%	© 35-50%		
© 51-75%	© 51–75%		
® 76-99%	® 76-99%		
© 100%	© 100%		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Socioeconomic Status		
17. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)	17. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)	NC	
No No No	⊗ No		
Tes, our school receives funds, which are targeted to eligible students.	Tes, our school receives funds, which are targeted to eligible students. The second seco		
© Yes, our school receives funds, which are used for schoolwide purposes.	© Yes, our school receives funds, which are used for schoolwide purposes.		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	n							100		ill be used at all grad										D/A/	Rationale
Previous iter	••																			R/NC+	
18. Approximately what percentage of students in your school receives the following services? Select one circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.									1	18. Approximately what percentage of students in your school receives the following services? Select one circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.							NC				
	None	1-5%	6–10%	11-25%	26-50%	51-75%	76–90%	Over 90%			None	1-5%	6–10%	11-25%	26-50%	51-75%	76-90%	Over 90%			
a. Targeted Title I services	0	Ф	0	Φ	Φ	Ð	0	⊕ AH	141931	a. Targeted Title I services	0	Ф	0	Ф	0	Ð	0	®	VH241931		
b. Gifted and talented program	0	0	0	Ф	Φ	(9)	0	⊕ vh	41922	b. Gifted and talented program	0	0	0	0	0	Œ	0	⊕	VH241922		
c. Instruction provided in student's home language (non-English)	8	Φ	Ø	0	Θ	•	©	⊕ AH	41923	c. Instruction provided in student's home language (non-English)	9	•	0	0	Θ	•	0	⊕	VH241923		
d. English-as-a- second-language (not in a bilingual education program)	•	0	0	0	©	®	0	® vie	141924	d. English-as-a- second-language (not in a bilingual education program)	0	Φ	0	0	Θ	Œ	0	8	VH241924		
e. Special education	0	00	O	0	Ð	©	0	⊕ vie	41925	e. Special education	0	0	Ø	0	Ð	®	@	®	VH241925		
8) 19. During a typ	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				Issue: School 19. During a typic	al wee	k of sch				nber of r	egularly s	schedul	ed	NC	
19. During a typy volunteers, in	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic volunteers, in	al wee	k of sch				nber of r	egularly s	schedul	ed	NC	
8) 19. During a typ	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic	al wee	k of sch				nber of r	egularly s	schedul	ed	NC	
19. During a typ volunteers, in	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic volunteers, in © 0	al wee	k of sch				nber of r	egularly s	schedul	ed	NC	
 During a typ volunteers, in 0 1-5 	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic volunteers, in © 0 © 1–5	al wee	k of sch				aber of n	egularly s	schedul	ed	NC	
8) 19. During a typ volunteers, is	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic volunteers, in ② 0 ③ 1–5 ② 6–10	al wee	k of sch				nber of n	egularly s	schedul	ed	NC	
© 0 © 1-5 © 6-10 © 11-15	cal we	ek of sc	hool, wh	at is the	e total nu	umber of				19. During a typic volunteers, in	cal wee	k of sch				aber of r	egularly s	schedul	ed	NC	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
20. Approximately what j who do each of the fol	ercentage of s lowing activit	tudents in yo ies? Select on	ur school have e circle in eac	e parents or gu h row.	ardians	20. Approximately what j who do each of the fol	percentage of s lowing activit	tudents in you les? Select on	ur school have e circle in eac	e parents or gu h row.	uardians	NC	
	Not applicable	0-10%	11–25%	26-50%	Over 50%		Not applicable	0-10%	11-25%	26-50%	Over 50%		
Volunteer regularly to help in the classroom or another part of the school	9	Φ	0	0	Œ	Volunteer regularly to help in the classroom or another part of the school	Θ	Φ	0	0	Φ		
 Attend teacher-parent conferences 	0	0	0	•	Œ	b. Attend teacher-parent conferences	0	0	0	•	Œ		
2015 Operationa B) For all teacher counts e.			Operation	nai Grade		Issue: School Clim For all teacher counts e.		item:				NC	
INCLUDE these t													
Regular	pes of teache	is.				INCLUDE these types of teachers: Regular							
Special area of	r resource tea	ichers (e.g., s	special educa	tion, Title I,	irt, music,	Special area or resource teachers (e.g., special education, Title I, art, music,							
physical educ						physical education)							
 Long-term su 	bstitute teach	iers				Long-term substitute teachers							
INCLUDE these t						INCLUDE these t	The second second						
Itinerant teac Employees re						Itinerant teac Employees re		the state of the state of					
teaching assi			us section ij	tney also nav	e a part-time	teaching assi			us section if	tney also nav	ve a part-time		
DO NOT INCLUI	DE:					DO NOT INCLUI	DE:						
Student teach	ners					Student teach	ners						
 Short-term st 						Short-term st							
 Teachers who 	teach ONLY	pre-kinderg	arten or adul	t education		Teachers who	teach ONLY	pre-kinderge	urten or adul	t education			
21. Around the first of positions or assign						21. Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? If none, mark (0) in the boxes.							
a. Full-time						a. Full-time							
Full	-time teacher	s				Full	-time teacher	S					
b. Part-time						b. Part-time							
Par	time teacher	rs				Pari	t-time teacher	S					
2015 Operationa 3)	l Grade 1	2, 2017	Operatio	nal Grade	es 4 and	Issue: School Clim	ate						

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item							2018 item							D/A/	Rationale
22. Does your sch	anal distr	det ordie	rees offe	r tonure t	n teacher	no 7	22 Does your sch	hool dist	rict or die	acese offe	r tenure t	o teacher	w.7	R/NC+	
	iooi, disti	ict, or dic	ocese one.	r tenure o	o teacher	31	22. Does your school, district, or diocese offer tenure to teachers?								
Tes Yes							② Yes								
® No							© No								
2017 Pilot Grade 8 Core, Reading Mathematics- All Subjects							Issue: School Cli	imate							
23. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select one circle in each row.							23. Of the following ca the end of the last this school year? S	school year	, what percei	ntage stayed				NC	
	0-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	1	0-10%	11-25%	26-50%	51-75%	76-90%	Over 90%		
Non-tenured teachers who had taught for at least one year	8	0	Ø	0	Ф	Ð	Non-tenured teachers who had taught for at least one year	0	Ф	O	Ф	Ф	®		
b. Tenured teachers	00	00	0	Ф	Ф	©	b. Tenured teachers	0	00	0	0	Ф	®.		
	nal Grad	le 12, 20	017 Ope	erational	l Grade	s 4 and	Issue: School Cli 24. In the last schoo		w many fu	ll-time tea	chers were	new to y	our school?	NC	
8)							A		w many fu	ll-time tea	chers were	e new to y	our school?	NC	
24. In the last schoo	l year, how	v many ful	ll-time tea	chers were	new to y	our school?	A	ol year, ho	w many fu	ll-time tea	chers were	e new to y	our school?	NC	
24. In the last school [2015 Operation 3]	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last schoo	imate	no were ne	w to your s	chool last y			NC NC	
24. In the last school 2015 Operation 3) 25. Of the full-time t	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to	imate	no were ne	w to your s	chool last y				
24. In the last school 2015 Operation 3) 25. Of the full-time t stayed on as full-time t	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to stayed on as full-to	imate	no were ne	w to your s	chool last y				
24. In the last school 2015 Operation 3) 25. Of the full-time t stayed on as full-to 0 0-10%	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to stayed on as full-to © 0–10%	imate	no were ne	w to your s	chool last y				
24. In the last school (2015 Operation 8) 25. Of the full-time t stayed on as full-t © 0–10% © 11–25% © 26–50% © 51–75%	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to stayed on as full-to © 0–10% © 11–25% © 26–50% © 51–75%	imate	no were ne	w to your s	chool last y				
24. In the last school (2015 Operation 8) 25. Of the full-time t stayed on as full-t (2016	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to stayed on as full-to the stay	imate	no were ne	w to your s	chool last y				
(2015 Operation 8) 25. Of the full-time t stayed on as full-t © 0-10% © 11-25% © 26-50% © 51-75%	l year, how	v many ful	Il-time tead	chers were	new to y	our school?	24. In the last school Issue: School Cli 25. Of the full-time to stayed on as full-to © 0–10% © 11–25% © 26–50% © 51–75%	imate	no were ne	w to your s	chool last y				
24. In the last school (2015 Operation 8) 25. Of the full-time t stayed on as full-t (2015 Operation 8) 26-50% 26-50% 51-75% 76-90%	l year, how nal Grad eachers wh time teache	le 12, 20 to were nevers for this	017 Ope	erational chool last y	Grade	our school? s 4 and percentage	24. In the last school	imate teachers whitime teach	no were ne	w to your s	chool last y				

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Items w	vill be used at all grades unless otherwise specified.		
Previous item	2018 item	D/A/ R/NC+	Rationale
26. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select all squares that apply.	26. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select all squares that apply.	NC	
Desktop computers	Desktop computers		
Laptop computers (including Chromebooks)	Laptop computers (including Chromebooks)		
Tablets (for example, Surface Pro, iPad, Kindle Fire)	© Tablets (for example, Surface Pro, iPad, Kindle Fire)		
Other digital devices (Please specify):	Other digital devices (Please specify):		
(2017 Operational Grades 4 and 8)	Issue: Technology Use		
27. What is the average age of the desktop computers in your school?	27. What is the average age of the desktop computers in your school?	NC	
♥ Up to 2 years old	♥ Up to 2 years old		
More than 2 years but less than 4 years old	More than 2 years but less than 4 years old		
O More than 4 years but less than 6 years old	O More than 4 years but less than 6 years old		
6 years old or more	6 years old or more		
D I don't know.	Φ I don't know.		
(2017 Operational Grades 4 and 8)	Issue: Technology Use		
 In your school, where are desktop computers available for students to work? Select all squares that apply. 	28. In your school, where are desktop computers available for students to work? Select all squares that apply.	NC	
In some classrooms	In some classrooms		
① In all classrooms	In all classrooms		
© In a media center	© In a media center		
In a computer lab	In a computer lab		
① In the school library	In the school library		
① Other (Please specify):	Other (Please specify):		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Technology Use		
29. What is the total number of laptop computers (including Chromebooks) available for students in your school? Enter the number of laptop computers.	29. What is the total number of laptop computers (including Chromebooks) available for students in your school? Enter the number of laptop computers.	NC	
(2017 Operational Grades 4 and 8)	Issue: Technology Use		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	vill be used at all grades unless otherwise specified. 2018 item	D/A/	Rationale
Frevious item	2016 Item	R/NC+	Kationale
30. What is the average age of the laptop computers (including Chromebooks) in your school?	30. What is the average age of the laptop computers (including Chromebooks) in your school?	NC	
♥ Up to 2 years old	♥ Up to 2 years old		
More than 2 years but less than 4 years old	More than 2 years but less than 4 years old		
O More than 4 years but less than 6 years old	More than 4 years but less than 6 years old		
6 years old or more	6 years old or more		
◆ I don't know.	D I don't know.		
(2017 Operational Grades 4 and 8)	Issue: Technology Use		
31. In your school, where are laptop computers (including Chromebooks) available for students to work? Select all squares that apply.	31. In your school, where are laptop computers (including Chromebooks) available for students to work? Select all squares that apply.	NC	
In some classrooms	In some classrooms		
In all classrooms	In all classrooms		
© In a media center	© In a media center		
In a computer lab	In a computer lab		
In the school library	In the school library		
On mobile carts	On mobile carts		
© Other (Please specify):	Other (Please specify):		
(2017 Operational Grades 4 and 8)	Issue: Technology Use		
32. What is the total number of tablets (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.	32. What is the total number of tablets (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.	NC	
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: Technology Use		
33. What is the average age of the tablets (for example, Surface Pro, iPad, Kindle Fire) in your school?	33. What is the average age of the tablets (for example, Surface Pro, iPad, Kindle Fire) in your school?	NC	
◆ Up to 2 years old	♥ Up to 2 years old		
More than 2 years but less than 4 years old	More than 2 years but less than 4 years old		
More than 4 years but less than 6 years old	More than 4 years but less than 6 years old		
6 years old or more	Φ 6 years old or more		
⊕ I don't know.	D I don't know.		
(2017 Operational Grades 4 and 8)	Issue: Technology Use		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grades 4, 8, and 12 Core School Items will be used at all grades unless otherwise specified.								
Previous item	2018 item	D/A/ R/NC+	Rationale					
34. In your school, where are tablets (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select all squares that apply.	34. In your school, where are tablets (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select all squares that apply.	NC						
In some classrooms	In some classrooms							
In all classrooms	In all classrooms							
© In a media center	© In a media center							
In a computer lab	In a computer lab							
In the school library	In the school library							
On mobile carts	On mobile carts							
Other (Please specify):	Other (Please specify):							
(2017 Operational Grades 4 and 8) 35. In your school, is there a wireless Internet connection that students can use for schoolwork?	Issue: Technology Use 35. In your school, is there a wireless Internet connection that students can use for	NC						
	schoolwork?							
 Yes, everywhere or almost everywhere in the school. Yes, in some areas of the school. 	 Yes, everywhere or almost everywhere in the school. Yes, in some areas of the school. 							
© No	© No							
O 140	O 140							
(2017 Operational Grades 4 and 8)	Issue: Technology Use							
36. This school year, did your school offer technical support to teachers for computers and tablets used in this school?	36. This school year, did your school offer technical support to teachers for computers and tablets used in this school?	NC						
Yes, we are partnering with a provider outside the school.	Yes, we are partnering with a provider outside the school.							
Tes, we have technical support staff in the school. Output Description: Descrip	Tes, we have technical support staff in the school. Output Description: Descrip							
© No	© No							
(2017 Operational Grades 4 and 8)	Issue: Technology Use							

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item								2018 item								D/A/ R/NC+	Rationale
37. How often do tea	chers do t	he followi	ng in this	school? Sel	ect one c	rcle in each	row.	37. How often do tea	chers do t	the followi	ng in this	school?	Select one	circle in each	row.	NC	
	Neve	r Abo	e or or	ice or o	About once or twice a week	Every day or almost every day	Several times a day		Neve	Abo onco twice yes	e or or	About nce or wice a nonth	About once or twice a week	Every day or almost every day	Several times a day		
a. Teach jointly as a team in the same class	8	q	Þ	0	Θ	Ф	Œ	Teach jointly as a team in the same class	8	a	,	0	0	Ф	©		
 Observe other teachers' classes and provide feedback 	0	d	D	0	0	Φ	•	b. Observe other teachers' classes and provide feedback	0	Q.	,	0	0	Θ	Φ		
c. Engage in discussions about the learning development of specific students	0	d	Þ	0	0	Θ	Œ	c. Engage in discussions about the learning development of specific students	0	q	,	0	0	Θ	®		
d. Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress		q	Þ	0	0	Φ	•	d. Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress		q	,	0	•	θ	•		
2017 Operation 18. Of the students in doing each of the	n last year	's graduat	ng class, a	pproximate	ely what j	percentage is	\$	Issue: School C	n last year	r's graduati	ng class, a	approxim n each ro	ately what	percentage is	\$ h	NC	This item is use at grade 12 only
	0-5%	6–10%	11-25%	26–50%	51-75%	Over 75%	I don't know.		0-5%	6–10%	11-25%	26-50	% 51-75	% Over 75%	I don't know.		at grade 12 om
Attending a two-year college	0	0	0	Ф	Ф	Œ	©	a. Attending a two-year college	0	0	0	0	Ф	®.	©		
o. Attending a four-year college	00	00	0	Φ	Ф	Ð	0	b. Attending a four-year college	00	00	0	0	Ф	®	©		
Attending a vocational- technical or business school	8	Φ	0	0	Ф	©	@	c. Attending a vocational- technical or business school	8	Θ	0	0	Ф	®	©		
d. Working for pay	0	0	0	0	Ф	10	0	d. Working for pay	0	00	0	0	Ф	®	@		
e. Serving in the military (excluding	8	0	0	0	Φ	®	©	e. Serving in the military (excluding ROTC and military	8	Φ	0	0	Φ	•	6		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	des 4, 8, and 12 Core School be used at all grades unless otherwise specifications.				
Previous item	2018 item			D/A/ R/NC+	Rationale
17. Does your school offer any of the following services to students on a regular basis? Select all squares that apply.	 Does your school offer any of the following se basis? Select one circle in each row. 	ervices to students on	a regular	R	This item was revised from a
 Career and technical education workshops 		Yes	No		multiple
Career counseling services or programs	a. Career and technical education workshops	0	Φ		selection
O Job placement services	b. Career counseling services or programs	0	.00		multiple choice
Section 1 and 1 an	c. Job placement services	0	Φ		item to a matrix
Career days or job fairs	d. Career days or job fairs	00	Φ.		
Career or employment readiness workshops	e. Career or employment readiness workshops	0	Φ		item to improve the data
(2015 Operational Grade 12)					collection. This
	Issue: School Climate				item is used at
					grade 12 only

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-3b: 2018 Operational Grade 8 Core (SCP)

VH712259

1.	Wł	nat is your sex?	
	(A)	Male	
	B	Female	
			VH24038
2.	Wł	nat grades are taught in your school? Select all squares that apply.	
	(A)	Pre-kindergarten	
	$^{\odot}$	Kindergarten	
	0	1st grade	
	0	2nd grade	
	(E)	3rd grade	
	(F)	4th grade	
	©	5th grade	
	\oplus	6th grade	
	\bigcirc	7th grade	
	О	8th grade	
	⊗	9th grade	
	0	10th grade	
	\bigcirc	11th grade	
	\bigcirc	12th grade	

2018 Operational and 2019 Pilot Grade 8 Core School Items VH240383 3. Can your school be described by any of the following? Select all squares that apply. Elementary school Middle or junior high school Secondary school Regular school with a magnet program A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school © Special education school: primarily serves students with disabilities Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education Private independent school Private religiously affiliated school Independent charter school © Charter school administered by local school district Other (Please specify): VH720977 **4.** Please identify the organization(s) listed below to which your school is most closely affiliated. Select all squares that apply. American Association of Christian Schools Association of Christian Schools International © Christian Schools International National Association of Episcopal Schools National Association of Independent Schools © National Catholic Educational Association © National Society of Hebrew Day Schools

The Association of Boarding Schools

Not affiliated with any organization

Other (Please specify):

479

5.	Wh	nat is the current enrollment in your school?	VH253912
6.	Ap	proximately what percentage of eighth-graders in your school is new this year?	VH253943
7	Δb	out what percentage of this year's eighth-graders was held back and is repeating	VH240214
/•		hth grade?	
	(A)	0%	
	®	1–2%	
	0	3–5%	
	(6–10%	
	(E)	More than 10%	
			VH240208
8.		the students currently enrolled in your school, what percentage has been ntified as limited-English proficient?	
	\bigcirc	0%	
	B	1–5%	
	0	6–10%	
	0	11–25%	
	Œ	26–50%	
	Ð	51–75%	
	©	76–90%	
	\oplus	Over 90%	

			VH240209
9.		st school year, approximately what percentage of students at your school colled after the first day of school?	
	(A)	0%	
	®	1–3%	
	0	4–6%	
	0	7–10%	
	(E)	11–20%	
	Ð	Over 20%	
			VH240210
10.		st school year, approximately what percentage of students at your school left ore the end of the school year?	
	(A)	0%	
	®	1–3%	
	0	4–6%	
	(7–10%	
	(E)	11–20%	
	Ð	Over 20%	
			VH240211
11.		out what percentage of your students is absent on an average day? (Include cused and unexcused absences in calculating this rate.)	
	(A)	0–2%	
	®	3–5%	
	©	6–10%	
	(More than 10%	

			VH240212
12.		out what percentage of your teachers is absent on an average day? (Include all sences in calculating this rate.)	
	(A)	0–2%	
	®	3–5%	
	©	6–10%	
	(More than 10%	
10	_		VH240215
13.	Do	es your school participate in the National School Lunch Program?	
	(A)	Yes	
	$^{ ext{ B}}$	No Questions 4–6 are not applicable and will be skipped.	
			VH240216
14.	Но	ow does the school operate the program?	
	(A)	Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. <i>Question 14 is not applicable and will be skipped</i> .	
	®	All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).	
			VH240217
15.	•	your school distributes free lunch to all students under Provision 2 or 3, what s the base year during which individual student eligibility was collected?	
	lack	This school does not distribute free lunch to all students under Provision 2 or 3—eligibilidetermined annually.	ty is
	$^{\odot}$	2017	
	0	2016	
	(2015	
	(E)	2014	
	Ð	2013	
	©	2012 or earlier	

VH240218

- **16.** During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?
 - **a** 0%
 - ® 1-5%
 - © 6-10%
 - ① 11-25%
 - © 26-34%
 - © 35-50%
 - © 51-75%
 - ⊕ 76–99%
 - **100%**

VH240219

- **17.** Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
 - A No
 - ® Yes, our school receives funds, which are targeted to eligible students.
 - © Yes, our school receives funds, which are used for schoolwide purposes.

18. Approximately what percentage of students in your school receives the following services? Select one circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

	None	1–5%	6–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Targeted Title I services	A	®	0	0	Œ	Ð	©	Θ	VH241931
b. Gifted and talented program	A	B	0	0	Ē	Ē	©	\oplus	VH241922
c. Instruction provided in student's home language (non-English)	(A)	®	0	0	©.	©	0	Θ	VH241923
d. English-as-a- second-language (not in a bilingual education program)	(®	0	0	Œ	©.	0	(#)	VH241924
e. Special education	(A)	®	0	0	©	(Ē)	0	Ð	VH241925

VH240220

19. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

7

- A 0
- **®** 1–5
- © 6-10
- ① 11-15
- © 16-25
- © More than 25

VH241938

20. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	(A)	®	0	0	©.	VH241940
b. Attend teacher–parent conferences	(A)	®	0	0	Œ	VH241939

VH253959

For all teacher counts entered in this item:

INCLUDE these types of teachers:

- Regular
- Special area or resource teachers (e.g., special education, Title I, art, music, physical education)
- Long-term substitute teachers

INCLUDE these types of teachers:

- Itinerant teachers who teach part-time at this school
- Employees reported in other items of this section if they also have a part-time teaching assignment at this school

8

DO NOT INCLUDE:

- Student teachers
- Short-term substitute teachers
- Teachers who teach ONLY pre-kindergarten or adult education
- **21.** Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

a. Full-time	
	Full-time teachers
b. Part-time	
	Part-time teachers

22. Does your school.	district or d	iocese offer	tenure to tea	nchers?			VH547401
Yes	, and the contract of the			·CIICIO ·			
® No							
23. Of the following of							VH241941
the end of the last this school year?				on as full-tii	me teachers	for	
	1						
	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had							
taught for at least one year	(A)	₿	©	©	Œ	(F)	VH241943
b. Tenured teachers	A	B	©	o	©	©	VH241942
	•						
							VH254012
24. In the last school	vear. how ma	anv full-time	e teachers we	ere new to v	our school?		
	, ,	, ,		,			
							VH240222
25. Of the full-time to	eachers who	were new to	vour school	last vear w	hat nercenta	ge	
stayed on as full-t				idse year, w	nac percenta	.00	
♠ 0–10%							
® 11–25%							
© 26–50%							
© 51–75%							
© 76–90%							
© Over 90%							

			VH591899
26.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	(A)	Desktop computers	
	®	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	0	Other digital devices (Please specify):	
			VH587116
27.	Wł	nat is the average age of the desktop computers in your school?	
		Up to 2 years old	
	B	More than 2 years but less than 4 years old	
	0	More than 4 years but less than 6 years old	
	(6 years old or more	
	(E)	I don't know.	
			VH342882
28.		your school, where are desktop computers available for students to work? Select squares that apply.	VII3.2002
	(A)	In some classrooms	
	®	In all classrooms	
	0	In a media center	
	0	In a computer lab	
	(E)	In the school library	
	Ð	Other (Please specify):	

		VH587118
29.	What is the total number of laptop computers (including Chromebooks) available for students in your school? Enter the number of laptop computers.	
		VH587129
30.	What is the average age of the laptop computers (including Chromebooks) in your school?	
	① Up to 2 years old	
	® More than 2 years but less than 4 years old	
	© More than 4 years but less than 6 years old	
	① 6 years old or more	
	① I don't know.	
		VH587122
31.	In your school, where are laptop computers (including Chromebooks) available for students to work? Select all squares that apply.	
	In some classrooms	
	In all classrooms	
	© In a media center	
	① In a computer lab	
	① In the school library	
	① On mobile carts	
	© Other (Please specify):	

32.	What is the total number of tablets (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.	VH311502
		VH587138
33.	What is the average age of the tablets (for example, Surface Pro, iPad, Kindle Fire) in your school?	
	① Up to 2 years old	
	® More than 2 years but less than 4 years old	
	© More than 4 years but less than 6 years old	
	① 6 years old or more	
	① I don't know.	
34.	In your school, where are tablets (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select all squares that apply.	VH587131
	In some classrooms	
	 In all classrooms 	
	© In a media center	
	In a media centerIn a computer lab	
	© In the school library	
	① On mobile carts	
	© Other (Please specify):	

X/TTC1	727
V IIOI	. 131.

- **35.** In your school, is there a wireless Internet connection that students can use for schoolwork?
 - Yes, everywhere or almost everywhere in the school.
 - ® Yes, in some areas of the school.
 - © No

VH617375

- **36.** This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?
 - ② Yes, we are partnering with a provider outside the school.
 - Yes, we have technical support staff in the school.
 - © No

37. How often do teachers do the following in this school? Select **one** circle in each row.

VH311409

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	Several times a day	
a.	Teach jointly as a team in the same class	(A)	B	0	0	Ē	Ē	VH311410
b.	Observe other teachers' classes and provide feedback	(8)	®	0	0	©.	©	VH311411
c.	Engage in discussions about the learning development of specific students	(A)	®	0	•	©	©	VH311414
d.	Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	(®	0	Φ	©	©	VH311415

Appendix I-3c: Pilot Grade 4 Core (SCP)

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

1. What is your sex?

Male
Female

VH712259

VH240382

2. What grades are taught in your school? Select all squares that apply.

Pre-kindergarten

Kindergarten

Sit grade

2nd grade

3rd grade

4th grade

1

© 5th grade

(19) 6th grade

① 7th grade

① 8th grade

© 9th grade

① 10th grade

11th grade

12th grade

VH240383

3.	Ca	n your school be described by any of the following? Select all squares that apply.	
	(A)	Elementary school	
	®	Middle or junior high school	
	0	Secondary school	
	0	Regular school with a magnet program	
	(E)	A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school	l
	Ð	Special education school: primarily serves students with disabilities	
	<u>©</u>	Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education	
	\oplus	Private independent school	
	Ф	Private religiously affiliated school	
	О	Independent charter school	
	⊗	Charter school administered by local school district	
	0	Other (Please specify):	
			VH720977
4	Ple	ease identify the organization(s) listed below to which your school is most	
т.		sely affiliated. Select all squares that apply.	
	(A)	American Association of Christian Schools	
	B	Association of Christian Schools International	
	0	Christian Schools International	
	0	National Association of Episcopal Schools	
	Œ	National Association of Independent Schools	
	Ð	National Catholic Educational Association	
	<u>©</u>	National Society of Hebrew Day Schools	
	\oplus	The Association of Boarding Schools	
	0	Other (Please specify):	
	О	Not affiliated with any organization	

2

5.	What is the current enrollment in your school?	VH253912
6.	Approximately what percentage of fourth-graders in your school is new this year?	VH253923
		VH240213
7.	About what percentage of this year's fourth-graders was held back and is repeating fourth grade?	
	® 1-2%	
	© 3–5%	
	© 6–10%	
	© More than 10%	
		VH240208
8.	Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?	
	1 0%	
	® 1–5%	
	© 6–10%	
	© 11–25%	
	© 26–50%	
	© 51–75%	
	© 76–90%	
	© Over 90%	

VH240209 9. Last school year, approximately what percentage of students at your school enrolled after the first day of school? ◎ 0% ® 1-3% © 4-6% © 7-10% © 11-20% © Over 20% VH240210 10. Last school year, approximately what percentage of students at your school left before the end of the school year? ® 1-3% © 4-6% © 7-10% © 11-20% © Over 20% VH240211 11. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.) ♠ 0-2% ® 3–5% © 6-10% More than 10%

4

			VH24021
12.		out what percentage of your teachers is absent on an average day? (Include all sences in calculating this rate.)	
	(A)	0–2%	
	®	3–5%	
	0	6–10%	
	(More than 10%	
			VH24021
13.	Do	es your school participate in the National School Lunch Program?	
		Yes	
		No	
			VIII 2 4021
1/	Цо	w does the school operate the program?	VH24021
14.			
	(A)	Student eligibility is determined individually, and eligible students receive free or reduced-price lunch.	
	®	All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).	
			VH24021
15.	If y	your school distributes free lunch to all students under Provision 2 or 3, what	
		s the base year during which individual student eligibility was collected?	
	lack	This school does not distribute free lunch to all students under Provision 2 or 3—eligibil determined annually.	ity is
	®	2017	
	0	2016	
	(2015	
	(E)	2014	
	Ð	2013	
	©	2012 or earlier	

VH240218

- **16.** During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?
 - **a** 0%
 - ® 1-5%
 - © 6-10%
 - © 11-25%
 - © 26-34%
 - © 35-50%
 - © 51-75%
 - ⊕ 76–99%
 - ① 100%

VH240219

- **17.** Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
 - A No
 - ® Yes, our school receives funds, which are targeted to eligible students.
 - © Yes, our school receives funds, which are used for schoolwide purposes.

6

18. Approximately what percentage of students in your school receives the following services? Select one circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

		None	1–5%	6–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a.	Targeted Title I services	A	®	0	0	Œ	Ē	©	\oplus	VH241931
b.	Gifted and talented program	(4)	B	0	0	Ē	Ē	©	\oplus	VH241922
c.	Instruction provided in student's home language (non-English)	(8)	®	0	0	©.	©	0	Θ	VH241923
d.	English-as-a- second-language (not in a bilingual education program)	(4)	®	0	©	Œ	Œ	©	⊕	VH241924
e.	Special education	A	®	0	0	Œ	Ē	©	⊕	VH241925

VH240220

19. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

7

- A 0
- ® 1-5
- © 6-10
- ① 11-15
- © 16-25
- © More than 25

VH241938

20. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	®	®	©	0	©.	VH241940
b. Attend teacher–parent conferences	(A)	®	0	0	Œ	VH241939

VH253959

For all teacher counts entered in this item:

INCLUDE these types of teachers:

- Regular
- Special area or resource teachers (e.g., special education, Title I, art, music, physical education)
- Long-term substitute teachers

INCLUDE these types of teachers:

- Itinerant teachers who teach part-time at this school
- Employees reported in other items of this section if they also have a part-time teaching assignment at this school

8

DO NOT INCLUDE:

- Student teachers
- Short-term substitute teachers
- Teachers who teach ONLY pre-kindergarten or adult education
- **21.** Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

a. Full-time	
	Full-time teachers
b. Part-time	
	Part-time teachers

22. Does your school,	diatriat or d	i acces offer	tonuvo to to	ach ara?			VH547401
•	uistiict, of u	iocese offer	tenure to tea	achers:			
A Yes							
® No							
23. Of the following cathe end of the last this school year? So	school year,	what percer	ntage stayed				VH241941
	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had taught for at least one year	(A)	(3)	0	0	Œ	Ē	VH241943
b. Tenured teachers	(A)	®	©	0	(Ē)	Ð	VH241942
24. In the last school y	rear, how ma	any full-time	e teachers w	ere new to y	our school?		VH254012 VH240222
25. Of the full-time teastayed on as full-time				last year, w	hat percenta	ige	
♠ 0–10%							
® 11-25%							
© 26–50%							
© 51–75%							
© 76–90%							
© Over 90%							

			VH591899
26.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	(A)	Desktop computers	
	$^{ ext{ B}}$	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	0	Other digital devices (Please specify):	
			VH587116
27.	Wł	nat is the average age of the desktop computers in your school?	
		Up to 2 years old	
	®	More than 2 years but less than 4 years old	
	0	More than 4 years but less than 6 years old	
	(6 years old or more	
	(E)	I don't know.	
			VH342882
28.		your school, where are desktop computers available for students to work? Select squares that apply.	7113.2002
	\bigcirc	In some classrooms	
	®	In all classrooms	
	©	In a media center	
	0	In a computer lab	
	(E)	In the school library	
	(Ē)	Other (Please specify):	

29.	What is the total number of laptop computers (including Chromebooks) available for students in your school? Enter the number of laptop computers.	VH587118
		VH587129
30.	What is the average age of the laptop computers (including Chromebooks) in your school?	
	① Up to 2 years old	
	® More than 2 years but less than 4 years old	
	© More than 4 years but less than 6 years old	
	① 6 years old or more	
	① I don't know.	
		VH587122
31.	In your school, where are laptop computers (including Chromebooks) available for students to work? Select all squares that apply.	
	In some classrooms	
	® In all classrooms	
	© In a media center	
	① In a computer lab	
	© In the school library	
	① On mobile carts	
	© Other (Please specify):	

32.	What is the total number of tablets (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.	VH311502
33.	What is the average age of the tablets (for example, Surface Pro, iPad, Kindle Fire)	VH587138
	in your school?	
	⊕ Up to 2 years old	
	® More than 2 years but less than 4 years old	
	More than 4 years but less than 6 years old	
	© 6 years old or more	
	© I don't know.	
		VH587131
34.	In your school, where are tablets (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select all squares that apply.	
	In some classrooms	
	® In all classrooms	
	© In a media center	
	① In a computer lab	
	© In the school library	
	© On mobile carts	
	© Other (Please specify):	

VH617	3	7
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- **35.** In your school, is there a wireless Internet connection that students can use for schoolwork?
 - Yes, everywhere or almost everywhere in the school.
 - ® Yes, in some areas of the school.
 - © No

VH617375

- **36.** This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?
 - Yes, we are partnering with a provider outside the school.
 - Yes, we have technical support staff in the school.
 - © No

37. How often do teachers do the following in this school? Select **one** circle in each row.

VH311409

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	Several times a day	
a.	Teach jointly as a team in the same class	(A)	®	O	0	Ē	(F)	VH311410
b.	Observe other teachers' classes and provide feedback	0	®	0	0	Œ	Θ	VH311411
c.	Engage in discussions about the learning development of specific students	(4)	®	0	Θ	©	Θ	VH311414
d.	Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	(®	0	Θ	©	©	VH311415

Appendix I-3d: Pilot Grade 12 Core (SCP)

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

1. What is your sex?

Male
Female

VH240382

2. What grades are taught in your school? Select all squares that apply.

Pre-kindergarten

Kindergarten

Ist grade

1

② 2nd grade

© 3rd grade

① 4th grade

© 5th grade

(19) 6th grade

① 7th grade

① 8th grade

© 9th grade

① 10th grade

11th grade

12th grade

VH240383

3.	Ca	n your school be described by any of the following? Select all squares that apply.	
	\bigcirc	Elementary school	
	B	Middle or junior high school	
	0	Secondary school	
	(Regular school with a magnet program	
	(E)	A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school	-
	Ð	Special education school: primarily serves students with disabilities	
	©	Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education	
	\oplus	Private independent school	
	Ф	Private religiously affiliated school	
	О	Independent charter school	
	⊗	Charter school administered by local school district	
	0	Other (Please specify):	
			VH720977
4	D1.	and identify the augmination (a) listed helevy to rubich group achoel is made	VH/209//
4.		ase identify the organization(s) listed below to which your school is most sely affiliated. Select all squares that apply.	
	\bigcirc	American Association of Christian Schools	
	®	Association of Christian Schools International	
	0	Christian Schools International	
	(National Association of Episcopal Schools	
	(E)	National Association of Independent Schools	
	Ð	National Catholic Educational Association	
	©	National Society of Hebrew Day Schools	
	\oplus	The Association of Boarding Schools	
	Θ	Other (Please specify):	
	О	Not affiliated with any organization	

2

5.	What is the current enrollment in your school?	VH253912
6.	Approximately what percentage of twelfth-graders in your school is new this year?	VH253948
-		VH240208
/.	Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?	
	1–5%	
	© 6–10%	
	① 11-25%	
	© 26-50%	
	© 51–75%	
	© 76–90%	
	① Over 90%	
		VH240209
8.	Last school year, approximately what percentage of students at your school enrolled after the first day of school?	
	1-3%	
	© 4–6%	
	© 7-10%	
	© 11-20%	
	© Over 20%	

VH240210 9. Last school year, approximately what percentage of students at your school left before the end of the school year? ◎ 0% ® 1-3% © 4-6% © 7-10% © 11-20% © Over 20% VH240211 10. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.) ♠ 0-2% ® 3-5% © 6-10% More than 10% VH240212 11. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.) $\bigcirc 0-2\%$ ® 3-5% © 6-10% More than 10% VH240215 12. Does your school participate in the National School Lunch Program? A Yes ® No →

VH240216 **13.** How does the school operate the program? © Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → All students in school receive free lunch under special provisions (e.g., Provision 2 or 3). VH240217 14. If your school distributes free lunch to all students under Provision 2 or 3, what was the base year during which individual student eligibility was collected? This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually. 2017 © 2016 © 2015 © 2014 © 2013 © 2012 or earlier VH240218 15. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program? ® 1-5% © 6-10% © 11-25% © 26-34% © 35-50% © 51–75% ⊕ 76–99%

5

100%

VH240219

- **16.** Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
 - A No
 - Tes, our school receives funds, which are targeted to eligible students.
 - © Yes, our school receives funds, which are used for schoolwide purposes.

17. Approximately what percentage of students in your school receives the following services? Select one circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

	None	1–5%	6–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Targeted Title I services	A	®	0	0	Œ	©.	©	(H)	VH241931
b. Gifted and talented program	A	®	0	0	Œ	(F)	©	\oplus	VH241922
c. Instruction provided in student's home language (non-English)	(A)	®	0	0	©	Θ	9	Θ	VH241923
d. English-as-a- second-language (not in a bilingual education program)	(A)	(8)	©	0	Œ	©.	6	(#)	VH241924
e. Special education	A	®	0	0	Œ	(Ē)	©	(1)	VH241925

VH241932

18. Of the students in last year's graduating class, approximately what percentage is doing each of the following? Select **one** circle in each row.

	0–5%	6–10%	11–25%	26–50%	51-75%	Over 75%	I don't know.	
a. Attending a two-year colle	ge 🕒	®	0	0	Ē	Θ	©	VH241933
b. Attending a four-year colle	ege 🕒	®	©	0	Œ	Ð	©	VH241935
c. Attending a vocational-technical or business school	③	®	©	0	(i)	©	©	VH241934
d. Working for p	ay 🖎	B	©	0	Œ	Ē	©	VH241937
e. Serving in the military (excluding ROTC and military academies)	(4)	(8)	0	Φ	©.	©	©	VH241936

VH741199

19. Does your school offer any of the following services to students on a regular basis? Select **one** circle in each row.

	Yes	No	
a. Career and technical education workshops	(A)	®	VH741200
b. Career counseling services or programs	(A)	®	VH741201
c. Job placement services	(A)	®	VH741202
d. Career days or job fairs	(A)	®	VH741203
e. Career or employment readiness workshops	(A)	®	VH741204

VH240220

- **20.** During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

 - ® 1-5
 - © 6-10
 - ① 11-15
 - © 16-25
 - © More than 25

VH241938

21. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	(A)	®	O	0	©.	VH241940
b. Attend teacher–parent conferences	A	®	0	0	Œ	VH241939

VH253959

For all teacher counts entered in this item:

INCLUDE these types of teachers:

- Regular
- Special area or resource teachers (e.g., special education, Title I, art, music, physical education)
- Long-term substitute teachers

INCLUDE these types of teachers:

- Itinerant teachers who teach part-time at this school
- Employees reported in other items of this section if they also have a part-time teaching assignment at this school

DO NOT INCLUDE:

- Student teachers
- Short-term substitute teachers
- Teachers who teach ONLY pre-kindergarten or adult education
- **22.** Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

9

a. Full-time	
	Full-time teachers
b. Part-time	
	Part-time teachers

VH547401

- 23. Does your school, district, or diocese offer tenure to teachers?
 - A Yes
 - ® No

VH241941

24. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had taught for at least one year	®	®	0	0	Œ	Œ	VH241943
b. Tenured teachers	(A)	®	0	0	(Ē)	Ē	VH241942

VH254012

25. In the last school year, how many full-time teachers were new to your school?

 \rightarrow

VH240222

26. Of the full-time teachers who were new to your school last year, what percentage stayed on as full-time teachers for this school year?

10

- ♠ 0–10%
- ® 11-25%
- © 26-50%
- © 51-75%
- © 76-90%
- © Over 90%

			VH591899
27.		this school year, which of the following types of computers or other digital vices are available in your school for student use? Select all squares that apply.	
	(A)	Desktop computers	
	$^{ ext{ B}}$	Laptop computers (including Chromebooks)	
	0	Tablets (for example, Surface Pro, iPad, Kindle Fire)	
	(Other digital devices (Please specify):	
			VH587116
28.	Wł	nat is the average age of the desktop computers in your school?	
		Up to 2 years old	
	®	More than 2 years but less than 4 years old	
	0	More than 4 years but less than 6 years old	
	(6 years old or more	
	(E)	I don't know.	
			VH342882
29.		your school, where are desktop computers available for students to work? Select squares that apply.	
	(A)	In some classrooms	
	®	In all classrooms	
	0	In a media center	
	(In a computer lab	
	(E)	In the school library	
	(Ē)	Other (Please specify):	

30.	What is the total number of laptop computers (including Chromebooks) available for students in your school? Enter the number of laptop computers.	VH587118
31.	What is the average age of the laptop computers (including Chromebooks) in your school?	VH587129
	Description Up to 2 years old	
	® More than 2 years but less than 4 years old	
	More than 4 years but less than 6 years old	
	D 6 years old or more	
	D I don't know.	
		/H587122
32.	In your school, where are laptop computers (including Chromebooks) available for students to work? Select all squares that apply.	
	■ In all classrooms	
	O In a media center	
	D In a computer lab	
	D In the school library	
	D On mobile carts	
	© Other (Please specify):	

33.		nat is the total number of tablets (for example, Surface Pro, iPad, Kindle Fire) ailable for students in your school? Enter the number of tablets.	VH311502
			VH587138
34.		nat is the average age of the tablets (for example, Surface Pro, iPad, Kindle Fire) your school?	,1130,130
	(A)	Up to 2 years old	
	®	More than 2 years but less than 4 years old	
	0	More than 4 years but less than 6 years old	
	(6 years old or more	
	Œ	I don't know.	
			VH587131
35.		your school, where are tablets (for example, Surface Pro, iPad, Kindle Fire) ailable for students to work? Select all squares that apply.	
	\bigcirc	In some classrooms	
	®	In all classrooms	
	0	In a media center	
	0	In a computer lab	
	Œ	In the school library	
	Ð	On mobile carts	
	<u>©</u>	Other (Please specify):	

1/L	161	727

- **36.** In your school, is there a wireless Internet connection that students can use for schoolwork?
 - Yes, everywhere or almost everywhere in the school.
 - ® Yes, in some areas of the school.
 - © No

VH617375

- **37.** This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?
 - ② Yes, we are partnering with a provider outside the school.
 - Yes, we have technical support staff in the school.
 - © No

38. How often do teachers do the following in this school? Select one circle in each row.

VH311409

		Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	Several times a day	
a.	Teach jointly as a team in the same class	(A)	®	0	0	Œ	(F)	VH311410
b.	Observe other teachers' classes and provide feedback	(A)	®	0	0	Œ	Θ	VH311411
c.	Engage in discussions about the learning development of specific students	®	®	©	0	©.	Θ	VH311414
d.	Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	(®	0	Φ	©.	©	VH311415

Appendix I-3e: Summary of Revisions 2018 Grades 4, 8, and 12 Core Charter School

Grades 4, 8, and 12 Core Charter School Items will be used at all grades unless otherwise specified.				
Previous item	2018 item	D/A/ R/NC+	Rationale	
 Is your school a public charter school? (A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.) Yes ① Yo → Questions 2-8 are not applicable and will be skipped. 	 Is your school a public charter school? (A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.) Yes No→Questions 2-8 are not applicable and will be skipped. 	NC		
(2016 Pilot Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			
2. In which year did your school start providing instruction as a charter school?	2. In which year did your school start providing instruction as a charter school?	NC		
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			
3. Who granted your school's current charter?	3. Who granted your school's current charter?	NC		
School district	School district			
 State board of education (includes state board of regents and District of Columbia State Board of Education) 	 State board of education (includes state board of regents and District of Columbia State Board of Education) 			
© Postsecondary institution	© Postsecondary institution			
State charter-granting agency	State charter-granting agency			
City or state public charter school board	City or state public charter school board			
Other (specify):	Other (specify);			
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			
4. What is the legal status of your school?	4. What is the legal status of your school?	NC		
Officially part of the school district or local education agency (LEA)	Officially part of the school district or local education agency (LEA)			
Independent from the school district or local education agency (LEA)	Independent from the school district or local education agency (LEA)			
A separate local education agency (LEA) as stipulated by state law	A separate local education agency (LEA) as stipulated by state law			
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grades 4, 8, and 12 Core Charter School Items will be used at all grades unless otherwise specified.					
Previous item	2018 item	D/A/ R/NC+	Rationale		
5. Is this school operated by a company or organization that also operates other charter schools?	5. Is this school operated by a company or organization that also operates other charter schools?	NC			
⊕ Yes	Yes				
® No	① No				
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate				
6. Which one of the following best describes your charter school's primary focus in terms of program content?	6. Which one of the following best describes your charter school's primary focus in terms of program content?	NC			
We have a comprehensive curriculum with no specialized area of focus.	We have a comprehensive curriculum with no specialized area of focus.				
We have a special curricular focus, for example, the arts, math/science, foreign language immersion.	We have a special curricular focus, for example, the arts, math/science, foreign language immersion.				
 Our curriculum is based on a particular educational theory, for example, Montessori, open school, Core Knowledge. 	 Our curriculum is based on a particular educational theory, for example, Montessori, open school, Core Knowledge. 				
Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.	Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.				
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate				
7. Does your school provide a written contract for parents?	7. Does your school provide a written contract for parents?	NC			
Yes, and parents are required to abide by it.	Yes, and parents are required to abide by it.				
The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but signing it is voluntary. The Yes, but significant is the Yes, but significant is voluntary. The Yes, but significan	© Yes, but signing it is voluntary.				
No → Question 8 is not applicable and will be skipped.	No → Question 8 is not applicable and will be skipped.				
(2015 Operational Grade 12, 2017 Operational Grades 4 and 8)	Issue: School Climate				

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item			2018 item			D/A/ R/NC+	Rationale
8. Are the following elements addressed circle in each row.	n your charter-parent cor	ntract? Select one	 Are the following elements addressed in circle in each row. 	your charter-parent co	ntract? Select one	NC	
	Yes	No		Yes	No	Ţ	
a. Dress code	0	Φ	a. Dress code	0	Φ	†	
b. Home learning environment	0	Φ-	b. Home learning environment	0	Φ	†	
c. Homework	0	Φ	c. Homework	0	Ф	†	
d. Parent-teacher communication	0	0	d. Parent-teacher communication	0	Φ	1	
e. Parent volunteering	0	Φ	e. Parent volunteering	0	Φ.	†	
f. School discipline policy	0	0	f. School discipline policy	0	Φ	† l	
g. Student attendance	0	0	g. Student attendance	0	0	†	
h. Student promotion policy	0	0	h. Student promotion policy	0	00	† [
i. Other (specify):	0	Φ	i. Other (specify):	0	Φ	†	

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-3f: 2018 Operational Grade 4 Core Charter School

2018 Operational Grade 4 Charter School Questionnaire

		VH240223
1.	Is your school a public charter school?	
	(A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.)	
	Yes	
	No →Questions 2–8 are not applicable and will be skipped.	
2.	In which year did your school start providing instruction as a charter school?	VH254022
3.	Who granted your school's current charter?	VH240224
0.	School district	
	 State board of education (includes state board of regents and District of Columbia State of Education) 	Board
	© Postsecondary institution	
	© State charter-granting agency	
	© City or state public charter school board	
	① Other (specify):	
		VH240225
4.	What is the legal status of your school?	
	Officially part of the school district or local education agency (LEA)	
	Independent from the school district or local education agency (LEA)	
	© A separate local education agency (LEA) as stipulated by state law	

2018 Operational Grade 4 Charter School Questionnaire

			VH24022
5.		this school operated by a company or organization that also operates other arter schools?	
	(A)	Yes	
	lacktriangle	No	
			VH24022
6.		nich one of the following best describes your charter school's primary focus in ms of program content?	
	\bigcirc	We have a comprehensive curriculum with no specialized area of focus.	
	lack	We have a special curricular focus, for example, the arts, math/science, foreign language immersion.	
	0	Our curriculum is based on a particular educational theory, for example, Montessori, ope school, Core Knowledge.	n
	0	Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.	
			VH24022
7.	Do	es your school provide a written contract for parents?	
	(A)	Yes, and parents are required to abide by it.	
	$^{ ext{ B}}$	Yes, but signing it is voluntary.	
	0	No →Question 8 is not applicable and will be skipped.	

2018 Operational Grade 4 Charter School Questionnaire

VH241944

8. Are the following elements addressed in your charter–parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	(A)	®	VH241947
b. Home learning environment	(A)	®	VH241951
c. Homework	(A)	®	VH241946
d. Parent-teacher communication	(A)	®	VH241953
e. Parent volunteering	(A)	®	VH241952
f. School discipline policy	(A)	₿	VH241948
g. Student attendance	(A)	®	VH241945
h. Student promotion policy	(A)	₿	VH241950
i. Other (specify):	(A)	®	VH259448

Appendix I-3g: 2018 Operational Grade 8 Core Charter School

2018 Operational Grade 8 Charter School Questionnaire

		VH240223
1.	Is your school a public charter school?	
	(A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.)	
	♠ Yes	
	lacktriangleq No $lacktriangleq$ Questions 2–8 are not applicable and will be skipped.	
2.	In which year did your school start providing instruction as a charter school?	VH254022
3	. Who granted your school's current charter?	VH240224
J.	School district	
	 State board of education (includes state board of regents and District of Columbia State I of Education) 	Board
	© Postsecondary institution	
	© State charter-granting agency	
	© City or state public charter school board	
	① Other (specify):	
		VH240225
4.	. What is the legal status of your school?	
	Officially part of the school district or local education agency (LEA)	
	Independent from the school district or local education agency (LEA)	
	© A separate local education agency (LEA) as stipulated by state law	

2018 Operational Grade 8 Charter School Questionnaire

			VH240226
5.		his school operated by a company or organization that also operates other arter schools?	
	(A)	Yes	
	®	No	
			VH240227
6.		nich one of the following best describes your charter school's primary focus in ms of program content?	
	(A)	We have a comprehensive curriculum with no specialized area of focus.	
	®	We have a special curricular focus, for example, the arts, math/science, foreign language immersion.	
	©	Our curriculum is based on a particular educational theory, for example, Montessori, ope school, Core Knowledge.	n
	(Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.	
			VH240228
7.	Do	es your school provide a written contract for parents?	
	(A)	Yes, and parents are required to abide by it.	
	ഀ	Yes, but signing it is voluntary.	
	0	No →Question 8 is not applicable and will be skipped.	

2018 Operational Grade 8 Charter School Questionnaire

VH241944

8. Are the following elements addressed in your charter–parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	(A)	®	VH241947
b. Home learning environment	(A)	®	VH241951
c. Homework	(A)	®	VH241946
d. Parent-teacher communication	(A)	®	VH241953
e. Parent volunteering	(A)	®	VH241952
f. School discipline policy	(A)	®	VH241948
g. Student attendance	(A)	®	VH241945
h. Student promotion policy	(A)	®	VH241950
i. Other (specify):	(A)	®	VH259448

Appendix I-3h: 2018 Operational Grade 12 Core Charter School

2018 Operational Grade 12 Charter School Questionnaire

VH240223 1. Is your school a public **charter** school? (A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.) A Yes \odot No \rightarrow Questions 2–8 are not applicable and will be skipped. VH254022 2. In which year did your school start providing instruction as a charter school? VH240224 **3.** Who granted your school's current charter? School district ® State board of education (includes state board of regents and District of Columbia State Board of Education) Postsecondary institution State charter-granting agency © City or state public charter school board © Other (specify):_____ VH240225 **4.** What is the legal status of your school? Officially part of the school district or local education agency (LEA) Independent from the school district or local education agency (LEA) © A separate local education agency (LEA) as stipulated by state law

1

2018 Operational Grade 12 Charter School Questionnaire

			VH24022
5.		his school operated by a company or organization that also operates other arter schools?	
	(A)	Yes	
	®	No	
			VH24022
6.		nich one of the following best describes your charter school's primary focus in ms of program content?	
	(A)	We have a comprehensive curriculum with no specialized area of focus.	
	lack	We have a special curricular focus, for example, the arts, math/science, foreign language immersion.	
	0	Our curriculum is based on a particular educational theory, for example, Montessori, ope school, Core Knowledge.	n
	0	Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.	
			VH24022
7.	Do	es your school provide a written contract for parents?	
	(A)	Yes, and parents are required to abide by it.	
	$^{\odot}$	Yes, but signing it is voluntary.	
	0	No →Question 8 is not applicable and will be skipped.	

2018 Operational Grade 12 Charter School Questionnaire

VH241944

8. Are the following elements addressed in your charter–parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	(A)	®	VH241947
b. Home learning environment	(A)	®	VH241951
c. Homework	(A)	®	VH241946
d. Parent-teacher communication	(A)	®	VH241953
e. Parent volunteering	(A)	®	VH241952
f. School discipline policy	(A)	®	VH241948
g. Student attendance	(A)	®	VH241945
h. Student promotion policy	(A)	®	VH241950
i. Other (specify):	(A)	®	VH259448

3

Appendix I-3i: Pilot Grade 12 Reading

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

VH240553

1. During the last two years, to what extent have professional development activities offered to teachers in your school focused on the following? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Use of English/language arts across the curriculum	A	®	0	0	VH259997
b.	Interpreting and analyzing literature	A	B	0	0	VH240555
c.	Interpreting and analyzing informational texts	A	B	0	0	VH240559
d.	Understanding the cognitive process of an individual when they are reading or writing	(®	0	0	VH260000
e.	Use of scoring guides to evaluate student work	A	B	0	0	VH260001
f.	Instructional strategies for teaching English/language arts	(A)	®	0	0	VH260002

Questions 2–5 ask about reading specialists and literacy coaches.

Reading specialists provide additional instructional support to students and have special expertise in assessing and diagnosing students' reading strengths and needs.

Literacy coaches work with teachers to help them implement and use strategies to improve their students' ability to read and write in their classes.

In some schools, a single person may serve in both roles regardless of the title they have. Please answer questions 2–5 based on the roles as defined in this paragraph.

VH240024

- **2.** Is there a reading specialist available (full- or part-time) to twelfth-grade students at your school?
 - Yes, available full-time to twelfth-grade students
 - ® Yes, available part-time to twelfth-grade students
 - \bigcirc No \rightarrow Question 3 is not applicable and will be skipped.

VH240714

3. To what extent are each of the following a responsibility of the reading specialist(s) available to twelfth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
Provide one-on-one help to students with various reading strategies (e.g., basic comprehension, making inferences, building vocabulary)	(4)	®	0	Φ	VH240715
Provide one-on-one help to students at various achievement levels	0	(8)	0	0	VH240716

VH240025

- **4.** Is there a literacy coach available (full- or part-time) to twelfth-grade teachers at your school?
 - Yes, available full-time to twelfth-grade teachers
 - ® Yes, available part-time to twelfth-grade teachers
 - \bigcirc No \rightarrow Question 5 is not applicable and will be skipped.

VH240718

5. To what extent are each of the following a responsibility of the literacy coach(es) available to twelfth-grade teachers at your school? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Provide assistance/support to individual teachers about English/language arts content or the teaching of English/language arts	®	®	0	0	VH240720
b.	Conduct professional development for groups of teachers about English/ language arts content or the teaching of English/ language arts	®	®	0	0	VH240719

2

VH240605

6. To what extent is your school's English/language arts program structured according to the following resources? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	District curriculum standards or curriculum guides	®	®	0	0	VH240607
b.	State curriculum standards or frameworks	A	B	0	0	VH240606
c.	In-school curriculum frameworks and standards for learning	®	(9)	0	0	VH240609
d.	Results from district assessments	A	®	0	0	VH586890
e.	Results from state assessments	A	®	0	0	VH240608
f.	Recommendations from school English/language arts department	(A)	®	0	0	VH240611
g.	Discretion of individual teachers	A	®	0	0	VH240612
h.	Results from school assessments (e.g., quizzes or tests created by teachers)	®	®	0	0	VH240614
i.	Resources found on the Internet	A	®	0	0	VH240610

2019 Pilot Grade 12 Reading School Items

VH240721

7. To what extent does your school's twelfth-grade English/language arts curriculum focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District assessments	A	®	0	0	VH240724
b. State assessments	A	®	0	0	VH240725
c. School assessments (e.g., quizzes or tests created by teachers)	(A)	(8)	0	0	VH240723

4

VH592388

- **8.** To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?
 - Not at all
 - Small extent
 - Moderate extent
 - Large extent

2019 Pilot Grade 12 Reading School Items

VH240726

9. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for twelfth-grade students with disabilities (SD)? Select **one** circle in each row.

	Yes	No	
a. Special Education teachers (and related service providers)	®	®	VH240727
b. Reading specialists or literacy coaches	A	®	VH240728
c. Speech pathologists	A	®	VH240729
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	0	®	VH240733
e. Parent volunteers	(A)	®	VH240730

VH240734

10. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for twelfth-grade English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Reading specialists or literacy coaches	(A)	®	VH240735
b. Speech pathologists	(A)	®	VH240736
c. Certified ELL/bilingual education teachers	(A)	®	VH240737
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	(A)	®	VH240741
e. Parent volunteers	A	®	VH240738

2019 Pilot Grade 12 Reading School Items

VH260137

11. How much is your school's ability to provide instruction affected by a lack of the following resources? Select **one** circle in each row.

	Not at all	A little	Some	A lot	
a. Teachers with a specialization in English/ language arts	A	®	0	0	VH260138
b. Computer software for English/language arts instruction	A	®	0	0	VH260140
c. Library books	A	®	0	0	VH260142
d. Audio-visual resources for English/language arts instruction	(A)	®	0	0	VH260143

6

VH240026

- 12. Does your school offer online English/language arts courses for credit?
 - A Yes
 - ® No

13. Are courses of at least one semester in length taught in your school in each of the following subjects? Select **one** circle in each row.

	Yes	No	
a. Advanced Placement English Language and Composition	0	®	VH240743
b. Advanced Placement English Literature and Composition	(A)	®	VH240745
c. English language and composition (beyond an introductory course)	®	®	VH240747
d. English literature and composition (beyond an introductory course)	®	®	VH240748
e. International Baccalaureate® Language A1	(A)	®	VH240746

VIII 240750

14. Approximately what percentage of students in this year's graduating class has enrolled in an English/language arts academic course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate[®] courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	Ø	®	©	0	©	Ē	©	VH240751
b. On a postsecondary campus	(A)	®	0	0	Ē	Ē	6	VH240752
c. Through distance learning	(A)	®	0	0	Œ	Ē	©	VH240753

Appendix I-3j: Pilot Grade 12 Math

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

2019 Pilot Grade 12 Mathematics School Items

		VH24007
1.	Beginning with ninth grade, how many years (or Carnegie-unit equivalents) of course work in mathematics does your school or district require for graduation?	
	① Less than two years	
	® Two years	
	© Three years	
	© Four years	
	© More than four years	
		VH24007
2.	Does your school offer online mathematics courses for credit?	
	Yes	
	® No	

3. Are courses of at least one semester in length taught in your school in each of the following subjects? Select **one** circle in each row.

	Yes	No	
a. Pre-calculus or introductory analysis	(A)	®	VH241006
b. Integrated mathematics 3 (third year of a multi-year course)	(A)	(B)	VH241017
c. Integrated mathematics 4 (fourth year of a multi-year course)	(a)	(B)	VH241018
d. Trigonometry	(A)	®	VH240991
e. International Baccalaureate® (IB) Mathematics	(A)	®	VH241008
f. Advanced Placement (AP®) Calculus AB	(A)	®	VH241009
g. Advanced Placement (AP) Calculus BC	(A)	®	VH241010
h. Calculus (other than Advanced Placement [AP] Calculus)	(a)	®	VH241007
i. Advanced Placement (AP) Statistics	(A)	®	VH241011
j. Probability and/or statistics (other than Advanced Placement [AP] Statistics)	(A)	(8)	VH241012
k. Advanced Placement Computer Science A	(A)	®	VH241013
l. Computer science (other than Advanced Placement [AP] Computer Science)	(A)	(8)	VH241016

4. Which of the following mathematics courses are required for high school graduation? Select **one** circle in each row.

	Yes	No	
a. Algebra I	A	®	VH241022
b. Geometry	(A)	®	VH241023
c. Algebra II	A	®	VH241024
d. Statistics/Probability	(A)	®	VH241025
e. Integrated mathematics 1 (first year of a multi-year course)	(A)	®	VH241032
f. Integrated mathematics 2 (second year of a multi-year course)	(A)	®	VH241033
g. Integrated mathematics 3 (third year of a multi-year course)	(A)	®	VH241034
h. Integrated mathematics 4 (fourth year of a multi-year course)	®	®	VH241028
i. Other mathematics course (Please specify):	(A)	®	VH241031

VH733475

5.	In your school, approximately what percentage of twelfth-grade students enroll in
	more than one mathematics class in a year (including summer school or two-block
	classes) for remediation or to catch up a grade level? Do not include students who
	receive additional mathematics instruction as part of special education or because
	of IEP provisions.

\bigcirc	0-10%
------------	-------

① More than 50%

VH270533

6.	This year, how many teachers are teaching mathematics in your school? Enter number of teachers.	the

^{® 11-20%}

^{© 21-30%}

2019 Pilot Grade 12 Mathematics School Items

VH733478

- 7. In this school year, what percentage of students have gone to other schools (neighboring high school or college) to receive mathematics instruction?
 - ♠ 0–10%
 - ® 11-20%
 - © 21-30%
 - © 31–40%
 - © 41–50%
 - ① More than 50%

VH270595

8. To what extent does your school provide up-to-date technology resources for mathematics teaching and learning?

4

- Not at all
- ® Small extent
- Moderate extent
- Large extent

Questions 9 and 10 ask about mathematics coaches.

Mathematics resource teachers provide additional instructional support to students and have special expertise in assessing and diagnosing students' mathematics strengths and needs to assist with learning and understanding.

Mathematics coaches work with teachers to help them implement and use strategies to improve their students' ability to use mathematics in their classes.

In some schools, a single person may serve in both roles regardless of the title they have. Please answer questions 9 and 10 based on the roles as defined in this paragraph.

VH240080

- **9.** Is there a mathematics coach available (full- or part-time) to twelfth-grade teachers at your school?
 - Yes, available full-time to twelfth-grade teachers
 - Yes, available part-time to twelfth-grade teachers
 - \bigcirc No \rightarrow Question 10 is not applicable and will be skipped.

10. To what extent are each of the following a responsibility of the mathematics coach(es) available to twelfth-grade teachers at your school? Select **one** circle in each row.

VH241043

		Not at all	Small extent	Moderate extent	Large extent	
a.	Provide support or assistance about mathematics content	(A)	®	©	0	VH241044
b.	Provide support or assistance about the teaching of mathematics to individual teachers	(®	0	0	VH241046
c.	Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	®	®	0	0	VH241045

5

2019 Pilot Grade 12 Mathematics School Items

VH270634

11. In this school year, did your school offer any of the following activities? Select **one** circle in each row.

	Yes	No	
a. Opportunities for students to discuss mathematics work, including homework, with their teachers	(9)	®	VH270635
b. Peer tutoring in mathematics	(A)	®	VH270636
c. Mathematics competitions	(A)	®	VH270637
d. Chess clubs	(A)	®	VH270638
e. Programming classes	(A)	®	VH270640
f. Mathematics clubs	(A)	®	VH270641
g. Teacher-led tutoring sessions in mathematics for groups of students	(9)	®	VH270643
h. Teacher-led extra-help sessions in mathematics	(4)	®	VH270644
i. Family mathematics night	(A)	®	VH270645

12. To what extent is your school's mathematics program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State curriculum standards or frameworks	A	®	0	0	VH240920
b. District curriculum standards or curriculum guides	(A)	®	0	0	VH240921
c. Results from district assessments	A	®	0	0	VH240922
d. Results from state assessments	(A)	®	0	0	VH587964
e. Results from school-level assessments	(A)	®	0	0	VH547493
f. Recommendations from school mathematics department or teachers	(A)	®	0	0	VH547495
g. Discretion of individual teachers	(A)	®	0	0	VH240926
h. Commercially designed programs	A	®	0	0	VH240927
i. Resources found on the Internet	(A)	®	0	0	VH240925

13. To what extent does your school's twelfth-grade mathematics curriculum focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District assessments	(A)	®	0	0	VH733487
b. State assessments	(A)	®	0	0	VH733486
c. School assessments (e.g., quizzes or tests created by teachers)	(8)	®	0	0	VH733485

VH241061

14. Approximately what percentage of students in this year's graduating class has enrolled in a distance learning course for the following subjects? Select **one** circle in each row. (Distance learning courses are defined for this survey as credit-granting courses in which the teacher and student are in different locations. They can be delivered via audio, video, or Internet or other computer technologies. They may originate from your school or another entity.)

	0%	1–5%	6–10%	11–25%	26–50%	51-75%	Over 75%	
a. English/ language arts	A	®	0	0	Œ	Ē	©	VH241062
b. Mathematics	(A)	®	0	0	Œ	Ð	©	VH241063
c. Social studies	(A)	®	0	0	Œ	Ð	©	VH241064
d. Science	(A)	®	0	0	Œ	Ð	©	VH241065
e. Computer science	(A)	®	0	0	Œ	Ð	©	VH241066
f. Foreign languages	A	®	0	0	Œ	Ð	©	VH241067
g. Career and technical/ vocational	(A)	®	0	0	Œ	Ē	©	VH241068
h. Other (Please specify):	(A)	®	0	0	Œ	Ē	©	VH241069

15. Approximately what percentage of students in this year's graduating class has enrolled in a mathematics academic course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate® courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	A	®	0	0	©	Ē	©	VH241071
b. On a postsecondary campus	(A)	®	0	0	Ē	Ē	©	VH241072
c. Through distance learning	(A)	®	0	0	Ē	Ē	6	VH241074
d. Other (Please specify):	(A)	®	0	0	Œ	Ð	6	VH241076

9

16. Approximately what percentage of students in this year's graduating class has enrolled in a career and technical/vocational course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate® courses.)

		0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On you school	ır high campus	A	®	O	0	Ē	Ð	©	VH241078
b. On a postsec campus	•	(A)	®	0	0	Ē	Ē	©	VH241079
c. Throug distanc learnin	e	(A)	®	0	0	Œ	Ð	©	VH241080
d. Other (specify		(A)	₿	0	0	Œ	Ð	©	VH241082

Appendix I-3k: Summary of Revisions 2018 Grades 4, 8, and 12 Science

Previous item						2018 item							D/A/	Rationale
						2020 110							R/NC+	- Hadionale
To what extent is each of fourth-grade students at year.				cialist(s) availal	varsen ble to	2. To what extent is each of the following a responsibility of the additional science staff available to fourth-grade students at your school? Select one circle in each row.							R	The following revision was
	Not at all	Small extent	Moderate extent	Large exten	t l		Not at all	Small extent	Moderate extent	Large exter	nt			made: In the
a. Provide science course-related support, remediation, or intervention to individual students	®	00	©	0	VH158012	Provide science course-related support, remediation, or intervention to individual students	0	(D)	0	0	VH241297			stem "science specialist(s)" wa replaced with
b. Provide science course-related support, remediation, or intervention to groups of students	Θ	(3)	0	ø	V11198915	b. Provide science course-related support, remediation, or intervention to groups of students	Φ	Ф	0	0	VH24 298			"additional science staff"
c. Provide science enrichment to individual students	Φ	0)	0	0	V942580014	 Provide science enrichment to individual students 	•	©	0	0	VH24(299			based on cognitive
d. Provide science enrichment to groups of students	0	Φ	0	0	VH1380L3	d. Provide science enrichment to groups of students	•	(D)	0	0	VH24 (300)			interview study
(2015 Grade 4)						Issue: Resources for	or Learni	ng and Ins	structio	on				results, expert committee feedback, and stakeholder feedback.
6. To what extent does yo following types of asse				focus on prep	vessens paration for the	6. To what extent do your	school's fourth	h-grade science	curricula fe	ocus on prepar	ation	VHIMIN	R	The following
seaso many alless or mone	DOSSESSED DESCRI	ct one circle in	each row.			for the following types	or assessments	? Select one circ	cle in each	row.				revisions were
1000 0100 07 000	Not at	- T	vtent Me	oderate L	arge extent	for the following types of	Not at a		tent M	ana I	arge extent			revisions were made: (1) In the
a. State assessments		- T	extent Mo	oderate xtent L	- 1 1	a. State assessments	Not at a	II Small ext	tent M	oderate extent L	0	VH241819		revisions were made: (1) In the item stem
a. State assessments b. District assessments c. School assessments	Not at	all Small e	extent Me	xtent	arge extent		Not at a	II Small ext	tent M	oderate extent		VH241319 VH241318 VH640864		revisions were made: (1) In the item stem "does" was changed to "do
State assessments District assessments	Not at	all Small e	extent Me	xtent L	arge extent	a. State assessments b. District assessments c. School assessments (e.g., quizzes or tests created b	Not at a	Small ext	tent M	oderate extent L	o	VH241318		revisions were made: (1) In the item stem "does" was changed to "do based on editorial review and (2) In subitem "c" example conter was added to create consistency
a. State assessments b. District assessments c. School assessments	Not at ©	all Small e	extent Me	xtent D	arge extent	a. State assessments b. District assessments c. School assessments (e.g., quizzes or tests created b teachers)	Not at a	Small ext	tent M.	oderate extent L	0	VH241318	NC	revisions were made: (1) In the item stem "does" was changed to "do based on editorial review and (2) In subitem "c" example conter was added to create
a. State assessments b. District assessments c. School assessments (2015 Grade 4)	Not at	all Small e	egrade science	xtent D	arge extent	a. State assessments b. District assessments c. School assessments (e.g., quizzes or tests created b teachers) Issue: Organizatio 8. Does your school have leading the second s	Not at a	Small ext	grade scien	oderate extent L	0	VFEA1318 VF6643864	NC	revisions were made: (1) In the item stem "does" was changed to "do based on editorial review and (2) In subitem "c" example conter was added to create consistency

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
To what extent do your self have the following features			e available for	fourth-grade ins	ruction	9. To what extent do your school's science laboratories that are available for fourth-grade instruction have the following features? Select one circle in each row. VIDRIDED					R	The following revisions were	
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent			made: (1)
a. Demonstration stations	•	•	0	0	VIDUINS	a. Demonstration stations	0	Φ	0	0	VH241321		
b. Student lab stations	9	0	0	0	VE013300	b. Student lab stations	0	Ф	0	0	VH241322		changed to
c. Storage areas for chemicals and other supplies	0	•	0	0	VE013301	c. Storage areas for chemicals and other supplies	•	Ф	0	0	VH241323		include exampl
d. Electricity	•	(8)	0	0	YH013394	d. Electricity (for example, power outlets for using lab	0	Ф	0	0	VH241324		content based
c. Running water	(9)	(D)	0	Φ	VID13396	equipment)		Ф	0	Ψ	111111111111111111111111111111111111111		on stakeholder
f. Gas for burners	0	Φ	0	0	VE018397	e. Running water	0	0	0	0	VH241330		feedback, (2)
g. Hoods or air hoses	0	•	0	0	VIII13399	f. Gas for burners	0	0	0	0	VH241326		
h. Safety equipment	0	(3)	0	•	VED13400	g. Hoods or air hoses	0	Φ	0	0	VH241327		subitem "h" wa
i. Computers j. Internet connection	®	®	0	0	VI01340) VI013402	h. Safety equipment (e.g., goggles, fire extinguishers, or eve wash stations)	®	Ф	0	0	VH241328		changed to
(2015 Grade 4)						Computers and other digital devices	0	Ф	0	Φ	VH241329		include exampl content based
						j. Internet connection	0	Ф	O	Φ	VH2A1325		on cognitive
						Issue: Resources for	Learning	and Instru	ction				interview study results, and (3) subitem "I" was revised to include "and other digital devices" to create consistency

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item	D/A/ R/NC+	Rationale
9. To what extent are any of t Select one circle in each ro		Small extent	grade teachers Moderate extent	who teach science	VEGLIARE CCT	N/A	D	To reduce school administrator burden and redundancy of
Science textbooks (including digital forms, such as online textbooks)	0	0	0	0	V\$864037			items across
Science magazines and books (including digital forms, such as online magazines and books)	0	00	0	Ф	VF864038			respondent groups, this item
c. Supplies or equipment for science demonstrations	Ø	00	9	9	VERCHIN			was dropped.
d. Supplies or equipment for science labs	Ø	(D)	0	9	VE013412			
e. Student access to computers in class for science instruction	0	0	Φ	0	VIII:34:3			
f. Student access to computer labs for science instruction	0	00	0	0	VE013414			
g. Teacher access to computers for science instruction	Φ	00	0	0	VEDUSEIN			
h. Computerized science labs for classroom use	0	00	0	0	VMID-1416			
i. Audiovisual materials for science instruction	(3)	0	0	0	VIDE3417			
j. Science kits	@	0	0	Ф	VERTS419			
k. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	0	•	0	0	VE013420			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item	1							D/A/ R/NC+	Rationale
10. Approximately wh	at percenta 1-grade sci	ge of your so	hool's classi ion? Select o	rooms has th	e following t each row.	echnologi	VBIDATE Cal	D	To reduce scho
	0%	1-25%	26-50%	51-75%	76-99%	100%			burden and
a. Desktop computer	0	00	0	0	0	®	VE013424		redundancy o
b. Laptop computer	0	0	0	0	Φ	Ð	VED13425		items across
c. Tablet computer	0	0	0	0	Θ	Œ	VH158022		
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	©	Φ	0	0	θ	Θ	VE013428		respondent groups, this it was dropped.
e. CD-ROM	0	00	0	0	0	©	VE013429		
f. Online software g. Digital music	0	(D)	0	0	Ф	©	VE013430		
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	•	9	0	•	θ	Θ	VE013432		
h. Cable/satellite/ closed-circuit television	•	Φ	0	Ф	Ф	Œ	VE013433		
 DVD player and DVDs 	0	0	0	0	0	®	VE013434		
j. Digital camera	0	0	0	•	Ф	®	VE013435		
k. Graphing calculator	0	0	0	0	0	Œ	VED13436		
Handheld device (pocket-sized computing device, such as personal digital assistant or	®	Φ	0	0	Ф	Œ	VE013487		
smartphone)	00/		A . 500		74 0004	*****			
m. Data collection	0%	1-25%	26-50%	51-75%	76–99%	100%			
sensors/probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	•	Ф	0	Ф	Φ	0	YE013458		
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	0	Ф	0	Θ	θ	•	VEID-6.57		
 Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards) 	Φ	Φ	0	0	θ	Θ	YE013640		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item					2018 item					D/A/ R/NC+	Rationale
To what extent does your school experiences? Select one circle in		de students with th	e following learni	VH142531	11. To what extent does your school plearning experiences? Select one of			e following	VH241366	NC	
experiences: select one circle in	Not at all	1–2 times per	3 or more time	s		Not at all	1-2 times per year	3 or more times per year			
		year	per year	1	a. Science fairs	•	0	0	VH241367		
Science fairs Science competitions	0	(D)	0	VH142332 VH142334	b. Science competitions	0	0	0	VH241368		
c. Science-related field trips (including museums, 200s, aquariums, science centers, and other similar sites)	0	00	0	VH142333	 Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites) 	•	OD.	0	VH241360		
(2015 Grade 4)					Issue: Resources for Lea	rning and I	Instruction				
1. In addition to their regular classre (full- or part-time) to fourth-grade Yes, available full-time to four Yes, available part-time to four No Question X is not applical (2017 Grade 4)	students at your so th-grade students rth-grade students	chool?	st available	VIDSHIT	 In addition to their regular classrod part-time science staff (e.g., a scien supervisor, or science department I school? Yes, available full-time to fourt Yes, available part-time to four No → Question X is not applicated in the science of the science o	nce specialist, scioned) available to the students the grade students the grade and will be students the stud	ence lead teacher, so o fourth-grade stude s s skipped.	cience	VIDAGIT	R	The following revision was made: In the stem "a science specialist available (full- or part-time)" has been changed to "any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available" based on cognitive interview study results, expert committee feedback, and stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 4 Science School		
Previous item	2018 item	D/A/ R/NC+	Rationale
5. To what extent does your school provide up-to-date technology resources for science teaching and learning? Not at all Small extent Moderate extent Large extent (2017 Grade 4)	7. To what extent does your school provide up-to-date technology resources for science teaching and learning? © Not at all © Small extent © Moderate extent © Large extent Issue: Resources for Learning and Instruction	NC	
2. Is there a science coach available (full- or part-time) to fourth-grade teachers at your school? ② Yes, available full-time to fourth-grade teachers ③ Yes, available part-time to fourth-grade teachers ③ No Question X is not applicable and will be skipped. (2017 Grade 4)	3. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to fourth-grade teachers at your school? ② Yes, available full-time to fourth-grade teachers ③ Yes, available part-time to fourth-grade teachers ⑤ No → Question X is not applicable and will be skipped. Issue: Resources for Learning and Instruction	R	The following revision was made: In the stem "a science coach available (full- or parttime)" has been changed to "any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available" based on cognitive interview study results, expert committee feedback, and stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
3. To what extent is each of t available to fourth-grade to	he following a achers at your	responsibility of t school? Select on	he science coac e circle in each	ch(es) row.	Viriatioi	4. To what extent is each of th staff available to fourth-grade	ne following a r de teachers at y	responsibility of to your school? Selec	he additional so et one circle in	cience each row.	VH241301	R	The following revision was
	Not at all	Small extent	Moderate	Large extent		*	Not at all	Small extent	Moderate extent	Large extent			made: In the
Provide support/assistance about science content or the teaching of science to individual teachers	0	®	0	0	V9(2413()2	Provide support/assistance with science content or the teaching of science to individual teachers	Φ	Ф	0	Φ	VH2A1302		stem "the science coach" has been
 Provide technical support/ assistance with lab equipment to individual teachers 	0	00	9	0	V36640260	 Provide technical support/ assistance with lab equipment to individual teachers 	•	Ф	0	Ф	VH640260		changed to "the
 Conduct professional development about science or the teaching of science for groups of teachers 	•	•	0	0	V3-0241363	c. Conduct professional development about science or the teaching of science for groups of teachers	0	Φ	0	Φ	VH241303		science staff" based on
													results, expert committee feedback, and
To what extent is your sch following resources? Select			according to th	ne	ARMINE	5. To what extent is your scho following resources? Select			according to th	ne	VHZ41305	R	committee
			according to the	Large extent	VH2H196				according to the	Large extent	VH241905	R	committee feedback, and stakeholder feedback. The following revisions were made: (1)
a. District curriculum standards or curriculum guides	one circle in e	ach row.	Moderate		V2541305 V16241307		one circle in ea	ach row.	Moderate	i -	VH241307	R	committee feedback, and stakeholder feedback. The following revisions were made: (1)
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks	Not at all	Small extent	Moderate extent	Large extent		a. District curriculum standards or curriculum	one circle in ea	Small extent	Moderate extent	Large extent		R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c
a. District curriculum standards or curriculum guides b. State curriculum standards	Not at all	Small extent	Moderate extent	Large extent	YH241307	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states	Not at all	Small extent	Moderate extent	Large extent	VH241307	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH241306	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards	Not at all	Small extent	Moderate extent ©	Large extent	VH241307 VH241306	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH241304 VH241309	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH2A1306 VH705771	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments e. Results from state assessments f. Recommendations from school science department	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH241304 VH241309 VH640850	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers)	Not at all	Small extent	Moderate extent © © © ©	Large extent	VH241307 VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and (3) new subitem
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments e. Results from state assessments f. Recommendations from school science department g. Discretion of individual teachers	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH241304 VH241309 VH640850 VH640851	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers) f. Results from district assessments	Not at all	Small extent	Moderate extent	Large extent	VH241307 V1C241306 V1C705771 V1C341309	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments c. Results from state assessments f. Recommendations from school science department g. Discretion of individual teachers h. Commercially designed programs	Not at all	Small extent	Moderate extent	Large extent	Y31241307 V31241304 V31241309 V31640850 V31640851	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers) f. Results from district assessments g. Results from state assessments	Not at all	Small extent	Moderate extent © © © ©	Large extent	VH241307 VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO VICALIDO	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and (3) new subitem "e", and "h"
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments e. Results from state assessments f. Recommendations from school science department g. Discretion of individual teachers h. Commercially designed	Not at all W D D D D D D D D D D D D	Small extent	Moderate extent	Large extent	V\$1241307 V\$1241304 V\$1241309 V\$1640850 V\$1640831 V\$1241311	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers) f. Results from district assessments g. Results from state assessments h. Results from national assessments	Not at all	Small extent	Moderate extent	Large extent	VH241307 VH241308 VH705771 VH241309 VH241314 VH640850	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and (3) new subitem "e", and "h" were added to
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments e. Results from state assessments f. Recommendations from school science department g. Discretion of individual teachers h. Commercially designed programs i. Resources found on the	Not at all Not at all O O O O O O O O O O O O	Small extent D D D D D D	Moderate extent	Large extent	Y31241307 V31241304 V31241309 V31640850 V31640851 V31241311 V312343313	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers) f. Results from district assessments g. Results from state assessments h. Results from national assessments i. Discretion of individual teachers	Not at all Not at all	Small extent	Moderate extent © © © © © ©	Large extent	VH241207 VH241206 VH705771 VH241200 VH241214 VH640851	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and (3) new subitem "e", and "h" were added to create consistency across subject
a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. In-school curriculum frameworks and standards for learning d. Results from district assessments e. Results from state assessments f. Recommendations from school science department g. Discretion of individual teachers h. Commercially designed programs i. Resources found on the Internet	Not at all Not at all O O O O O O O O O O O O	Small extent D D D D D D	Moderate extent	Large extent	Y31241307 V31241304 V31241309 V31640850 V31640851 V31241311 V312343313	a. District curriculum standards or curriculum guides b. State curriculum standards or frameworks c. Standards or frameworks common to several states d. In-school curriculum frameworks and standards for learning e. Results from school assessments (e.g., quizzes or tests created by teachers) f. Results from district assessments g. Results from state assessments h. Results from national assessments i. Discretion of individual	Not at all What at all Description of the control	Small extent	Moderate extent	Large extent	VH241307 VH241306 VH705771 VH241309 VH241314 VH640850 VH640850 VH640851	R	committee feedback, and stakeholder feedback. The following revisions were made: (1) subitem "f" was dropped, (2) new subitem "c has been added based on stakeholder feedback, and (3) new subitem "e", and "h" were added to create consistency

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

individual teachers) c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (e.g., universities, science museums, or industries) (2017 Grade 4) Issue: Resources for Learning and Instruction individual teachers) c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (e.g., universities, science museums, or companies) Issue: Resources for Learning and Instruction club" has been changed to "arranged to "a	Previous item				2018 item				D/A/ R/NC+	Rationale
a. Parent volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b. Teacher volunteered (initiated and run by individual parents) b	 In this school year, is there a science club offer school? Select one circle in each row. 	ered to fourth-grade st	udents in your	VH341363	10. In this school year, are any of the following ty fourth-grade students in your school? Select of	pes of science clubs one circle in each row	offered to	VH241362	R	
a. Parent voluntecred (initiated and run by individual parents) b. Teacher voluntecred (initiated and run by individual parents) b. Teacher voluntecred (initiated and run by individual teachers) c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (such as universities, science museums, or universities, science museums, or companies) (2017 Grade 4) a. Parent voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) b. Teacher voluntecred (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (initiated and run by individual teachers) c. School sponsored (in		Yes	No	-		Yes	No			made: (1) In the
b. Teacher volunteered (initiated and run by individual teachers) c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (such as universities, science museums, or industries) (2017 Grade 4) b. Teacher volunteered (initiated and run by individual teachers) individual teachers) c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (such as universities, science museums, or universities (e.g., universities, science museums, or universities, science museums, or universities (e.g., universities, science museums, or universities (e.g., universities, science museums, or universities (e.g., universities (e.g., universities) (e.g., universities (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e.g., universities) (e	individual parents)	0	•	VH640872		⊗	Φ	VH640872		
c. School sponsored (initiated by school and run by school designated personnel) d. Partnered with external agencies (such as universities, science muscums, or universities, sc	individual teachers)	•	•	VH241363-	b. Teacher volunteered (initiated and run by	•	O	VH241363		there a science
d. Partnered with external agencies (e.g., universities, science museums, or industries) (2017 Grade 4) Issue: Resources for Learning and Instruction d. Partnered with external agencies (e.g., universities, science museums, or companies) Issue: Resources for Learning and Instruction Characteristics agencies (e.g., universities, science museums, or companies) haracteristics agencies (e.g., universities, science museums, or companies)	run by school designated personnel)	0	•	VH241365	c. School sponsored (initiated by school and	Φ	Φ	VH241365		
(2017 Grade 4) Issue: Resources for Learning and Instruction Issue: Re	universities, science museums, or	•	•	VH241364	d. Partnered with external agencies (e.g., universities, science museums, or	•	Φ	VH241364		_
based on cognitive										based on editorial review and (2) in subitem "d" "industries" ha been changed t "companies" based on
interview study										results.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

						2018 item						D/A/ R/NC+	Rationale
To what extent is each of eighth-grade students at your contents.				cialist(s) availabl	vH158026 le to	To what extent is each of t staff available to eighth-gra					VH241370	R	The following revision was
,			Moderate	Γ.			Not at all	Small extent	Moderate extent	Large extent			made: In the
Provide science course-related support, remediation, or intervention to individual students	Not at all	Small extent	extent	Large extent	VH158027	Provide science course-related support, remediation, or intervention to individual students	•	Φ	69	Φ	VH241371		stem "science specialist(s)" wa replaced with "additional
b. Provide science course-related support, remediation, or intervention to groups of students	Ø	3	0	0	УНГМОЮ	b. Provide science course-related support, remediation, or intervention to groups of students	- ⊗	00	0	Φ	VH2A1372		science staff" based on
c. Provide science enrichment to individual students	Φ	0	0	0	VH158029	 Provide science enrichment to individual students 	0	Φ.	0	0	VH241373		cognitive interview study
d. Provide science enrichment to groups of students	•	•	0	0	VH158028	d. Provide science enrichment to groups of students	0	00	9	0	VH241374		results, expert
6. To what extent does your	echanle aighth	ara la sai agua aus		- 10	VC304506	C Toucher word by word	0 2 1.1		1.7	-21.455	VH241579	D	feedback.
6. To what extent does your following types of assessm				preparation for	the	To what extent do your scl for the following types of a	ssessments? Se	elect one circle in	each row.	reparation		R	The following revisions were
			w. Moderate	Large extent		for the following types of a	Not at all	Small extent	Moderate extent	Large extent		N	revisions were made: (1) In the
following types of assessm	Not at all	Small extent	Moderate extent	Large extent		for the following types of a	ssessments? Se	elect one circle in	each row.		VH2A1383	N.	revisions were made: (1) In the item stem
	Not at all	Small extent	Moderate extent	Large extent		a. State assessments b. District assessments	Not at all	Small extent	Moderate extent	Large extent	VH2A1383 VH2A1382	, r	revisions were made: (1) In th item stem "does" was
a. State assessments b. District assessments c. School assessments	Not at all	Small extent	Moderate extent	Large extent	VC304508	for the following types of a	Not at all	Small extent	Moderate extent	Large extent		K .	revisions were made: (1) In the item stem "does" was
a. State assessments b. District assessments	Not at all	Small extent	Moderate extent ©	Large extent	VC304508 VC304510	a. State assessments b. District assessments c. School assessments (e.g., quizzes or tests created by	Not at all	Small extent	Moderate extent	Large extent	VH2A1382	K .	revisions were made: (1) In the item stem "does" was changed to "do

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

						Grade 8 Science School		
Previous item						2018 item	D/A/ R/NC+	Rationale
9. To what extent are any of the Select one circle in each row	he following av	ailable to eighth-	grade teachers Moderate extent	who teach science	vzessoo	N/A	D	To reduce school administrator burden and
a. Science textbooks				12.0				redundancy of
(including digital forms, such as online textbooks)	00	Œ	0	Ф	VYSSUSVIA			items across
Science magazines and books (including digital forms, such as online magazines and books)	0	Φ	0	θ	19863076			respondent groups, this iten
c. Supplies or equipment for science demonstrations	0	0	0	Φ	Vic01 (006			was dropped.
d. Supplies or equipment for science labs	00	0	0	0	VEID 4006			
e. Student access to computers in class for science instruction	0	Ф	0	Ф	V000 A008			
f. Student access to computer labs for science instruction	•	0	0	•	VEDS ADES			
g. Teacher access to computers for science instruction	0	00	0	Φ	YE00 \$016			
h. Computerized science labs for classroom use	0	0	0	Ф	Vion errz			
i. Audiovisual materials for science instruction	0	0	0	Φ.	VEI(1) 40) 4			
j. Science kits	Ø	00	0	Φ	YE014015			
k. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	Φ	Φ	0	Φ	NYESSE ACTOR			

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous iten	1							D/A/ R/NC+	Rationale
10. Approximately wheresources for eightle						technologic	ventors al	D	To reduce school administrator
	0%	1-25%	26-50%	51-75%	76-99%	100%	+ == 1		burden and
a. Desktop computer	0	0	0	0	_D	Ð	VE014030		redundancy of
b. Laptop computer	0	0	0	0	Φ	©	VE014031		
c. Tablet computer	0	0	0	0	0	Ð	VH158017		items across
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	۵	Φ	0	0	θ	Ð	VEIS14024		respondent groups, this ite was dropped.
e. CD-ROM	0	0	0	0	Ф	Ð	VE014025		
f. Online software	0	0	0	0	Ð	Œ	VE014036		
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	•	Ф	0	0	Φ	Φ	VE014027		
h. Cable/satellite/ closed-circuit television	•	00	0	Φ	Ф	0	VEG14029		
 i. DVD player and DVDs 	0	0	0	0	Ф	©	VED14030		
j. Digital camera	0	0	0	0	D	Œ	VE014033		
k. Graphing calculator	0	00	0	0	0	(E)	VE014041		
Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	0	Φ	O	Φ	Θ	Ð	YE014042		
/	0%	1-25%	26-50%	51-75%	76-99%	100%	1.00		
m. Data collection sensors/probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	0	Φ	0	0	θ	Θ	VE034043		
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	٥	Ф	0	0	θ	Ф	VE014046		
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	•	Ф	0	9	9	Ð	VE014047		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item					Grade 8 Science Sch					D/A/	Rationale
revious item					2010 ((c))					R/NC+	Rationale
12. To what extent does your school experiences? Select one circle in		de students with the	e following learni	VH142362	11. To what extent does your school learning experiences? Select one of	provide eighth-gra ircle in each row.	ade students with th	ne following	VH241451	NC	
	Not at all	1–2 times per year	3 or more time per year	s		Not at all	1–2 times per year	3 or more times per year	1-1		
a. Science fairs	4474		per year ©	VH142363	a. Science fairs	0	Φ.	0	VH241452		
b. Science competitions	0	Φ	0	VH142363 VH142365	b. Science competitions	®	0	0	VH241463		
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	0	Φ.	0	VH)42364	 Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites) 	Ø	Ф	0	VH241454		
(2015 Grade 8)		! -			Issue: Resources for Lea	rning and I	Instruction				
I. In addition to their regular classro (full- or part-time) to eighth-grade	students at your s th-grade students oth-grade students	chool?	ist available		 In addition to their regular classroom te part-time science staff (e.g., a science space supervisor, or science department head) school? Yes, available full-time to eighth-grain t	secialist, science les available to eighth ade students ade students and will be skipped	ad teacher, science n-grade students at you I.	ur		R	The following revision was made: In the stem "a science specialist available (full-compart-time)" has been changed to "any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available based on cognitive interview study results, expert committee feedback, and

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

	Grade 8 Science School		
Previous item	2018 item	D/A/ R/NC+	Rationale
5. To what extent does your school provide up-to-date technology resources for science teaching and learning? Not at all Small extent Moderate extent Large extent (2017 Grade 8)	7. To what extent does your school provide up-to-date technology resources for science teaching and learning? ② Not at all ③ Small extent ② Moderate extent ① Large extent Issue: Resources for Learning and Instruction	VIENNIZI D	
2. Is there a science coach available (full- or part-time) to eighth-grade teachers at your school? ② Yes, available full-time to eighth-grade teachers ③ Yes, available part-time to eighth-grade teachers ③ No Question X is not applicable and will be skipped. (2017 Grade 8)	3. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to eighth-grade teachers at your school? ② Yes, available full-time to eighth-grade teachers ③ Yes, available part-time to eighth-grade teachers ③ No → Question X is not applicable and will be skipped. Issue: Resources for Learning and Instruction	R	The following revision was made: In the stem "a science coach available (full- or part-time)" has been changed to "any additional full-or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available" based on cognitive interview study results, expert committee feedback, and stakeholder

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

						Grade 8 Science	School						
Previous item						2018 item						D/A/ R/NC+	Rationale
3. To what extent is each of t available to eighth-grade to					VHD41373	To what extent is each of the staff available to eighth-gra	e following a de teachers at	responsibility of t your school? Selec	he additional s et one circle in	cience each row.	VH241575	R	The following revision was
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent			made: In the
Provide support/assistance about science content or the teaching of science to individual teachers	0	®	0	0	VH241376	Provide support/assistance with science content or the teaching of science to individual teachers	0	Φ	O	0	VH241376		stem "the science coach" has been
 Provide technical support/ assistance with lab equipment to individual teachers 	0	•	0	•	V31640268	b. Provide technical support/ assistance with lab equipment to individual teachers	®	Φ	0	0	VH640268		changed to "the
 c. Conduct professional development about science or the teaching of science for groups of teachers 	9	•	0	0	VII241372	c. Conduct professional development about science or the teaching of science for groups of teachers	®	Ф	0	0	VH241377		science staff" based on
7. In this school year, is there school? Select one circle in	a science club	offered to eighth-	grade students	in your	VH241446	In this school year, are any eighth-grade students in you	of the followin	ng types of science	clubs offered to	ю	VH241446	R	feedback, and stakeholder feedback. The following
1		Yes		No		eighth-grade students in you	ii selloori sele	Yes	I I	No			revisions were
Parent volunteered (initiated individual parents)	d and run by	Ø		®	VH643916	a. Parent volunteered (initiated	and run by	Tes ®		Φ	VH643916		made: (1) In the item stem "is
b. Teacher volunteered (initiatindividual teachers)	ed and run by	@	=:	•	VH241447	individual parents) b. Teacher volunteered (initiate individual teachers)	d and run by	•		Φ.	VH241447		there a science
c. School sponsored (initiated l run by school designated per	by school and sonnel)	Φ		0	VH241449	c. School sponsored (initiated brun by school designated pers		•		Φ	VH241449		club" has been
 Partnered with external ager universities, science museur industries) 		@		Φ	V11241448	d. Partnered with external agen- universities, science museum companies)	ies (e.g.,	⊗		Φ	VH241448		changed to "are any of the following types
(2017 Grade 8)						Issue: Resources for	Learning	and Instru	ction				of science clubs" based on editorial review, and (2) in subitem "d" "industries" has been changed to "companies" based on cognitive interview study

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
To what extent do your sch eighth-grade instruction ha	nool's science la	aboratories that ar ng features? Select	e available for one circle in e	ach row.	VH341384	To what extent do your sch eighth-grade instruction ha	ool's science la ve the followin	boratories that ar g features? Select	e available for one circle in e	ach row.	VI[25],384	R	The following revisions were
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent			made: (1)
a. Demonstration stations	0	(3)	0	0	VH241385	a. Demonstration stations	◎	Φ	0	0	VH241385		subitem "e" w
b. Internet connection	0	(3)	0	0	VH2A1369	b. Internet connection	0	Φ	0	0	VH241389		changed to
c. Student lab stations	0	0	0	0	V11241,886	c. Student lab stations	0	Φ.	0	0	VH241386		include exampl
d. Storage areas for chemicals and other supplies	0	(3)	0	0	VH241387	d. Storage areas for chemicals and other supplies	0	Ф	0	0	VH241387		content based
e. Electricity	0	0	0	0	VH24E388	e. Electricity (for example,		1007 001					on stakeholder
f. Running water	0	0	0	0	VH241394	power outlets for using lab	0	00	0	0	VH241388		
g. Gas for burners h. Hoods or air hoses	0	®	0	0	VH241390 VH241391	equipment) f. Running water		_	-	0	VH241394		feedback, (2)
i. Safety equipment	0	0	0	0	VH241391 VH241392	g. Gas for burners	0	Φ	0	0	VH241390		subitem "i" wa
i. Computers	9	0	9	0	VH241393	h. Hoods or air hoses	9	Φ	0	9	VH241391		
2017 Grade 8)						Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	0	0	0	0	VH241392		changed to include exampl
						j. Computers and other digital devices	•	Ф	0	0	VH2A1393		on cognitive
						Issue: Resources for	Learning	and Instru	ction				interview study results, and (3) subitem "j" wa revised to include "and other digital devices" to create

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
4. To what extent is your schofollowing resources? Select			according to th	nė	VH341305	5. To what extent is your school's science program structured according to the following resources? Select one circle in each row.							The following revisions were
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent			made: (1)
District curriculum standards or curriculum guides	0	0	0	0	VH241307	District curriculum standards or curriculum guides	•	0	0	0	VH241307		subitem "f" was dropped, (2)
b. State curriculum standards or frameworks	0	0	0	0	VHZ41306	 State curriculum standards or frameworks 	0	0	0	0	VH241306		new subitem "c
c. In-school curriculum frameworks and standards	•	0	0	0	VH241309	c. Standards or frameworks common to several states	•	0	0	•	VH705771		has been added
for learning						 d. In-school curriculum frameworks and standards 	®	OD.	0	0	VH241309		based on
d. Results from district assessments	Φ	0	0	0	VH640850	for learning e. Results from school					700		stakeholder
e. Results from state assessments	0	0	0	0	VH640851	assessments (e.g., quizzes or tests created by teachers)	•	Φ	0	•	VH24131A		feedback, and
f. Recommendations from school science department	0	•	0	0	VH2A1311	f. Results from district assessments	•	0	0	0	VH640KSD		(3) new subitem
g. Discretion of individual teachers	0	®	0	0	VH241312	g. Results from state assessments	0	0	0	0	VH640851		"e", and "h" were added to
h. Commercially designed programs	Ø	®	0	0	VH241313	h. Results from national assessments	0	Φ.	0	0	VH705772		create
i. Resources found on the Internet	Ø	@	0	0	VH640857	 Recommendations from school science department 	®	Φ	0	0	VH241311		consistency
2017 Grade 8)		1		1		j. Discretion of individual teachers	0	00	0	0	VH2A1312		across subject
2017 01446 07						k. Commercially designed programs	•	0	0	0	VH241318		questionnaires
						Resources found on the Internet	00	OD.	0	Φ	VH640857		(2018 social

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item				2018 item				D/A/ R/NC+	Rationale
Are courses of at least one semester in length subjects? Select one circle in each row.	taught in your school	in each of the follo	QESTONS	 Are courses of at least one semester in length following subjects? Select one circle in each re 		l in each of the	VH240984	R	The following revisions were
The state of the s					Yes	No			made: (1) In
	Yes	No		a. Advanced Placement® Biology	®	Φ	VH240997		subitem "a" a
a. Advanced Placement Biology b. International Baccalaureate® Biology	0	0	VC3082009 VC312550	b. Advanced physics (beyond an introductory	0	Ф	VH240996		
c. Advanced biology (beyond an introductory course)	© ©	© ©	QK070746	c. Advanced biology (beyond an introductory course)	•	Φ	VH240994		trademark logo was added, (2)
d. Advanced Placement Environmental Science	0	•	VC308303	d. Advanced chemistry (beyond an introductory course)	0	Φ	VH240999		the trademark
e. International Baccalaureate Environmental Systems	0	•	VC312552	e. International Baccalaureate [®] Design Technology	•	O D.	VH241004		logo in subitem "b" was moved
f. Advanced environmental science (beyond an introductory course)	0	®	VC308201	f. Advanced technology (beyond an introductory course)	•	Φ	VH241005		to the subitem
g. Advanced Placement Chemistry h. International Baccalaureate Chemistry	0	•	VC305204 VC312554	g. International Baccalaureate Chemistry	0	Φ	VH241002		"m" per editoria
International Baccalaureate Chemistry Advanced chemistry (beyond an	0	@		h. International Baccalaureate Physics	•	Ф	VH241003		•
introductory course)	(4)	0	QK670747	i. International Baccalaureate Biology	•	Ф	VH240986		review, (3) in
j. Advanced Placement Physics B or C	0	•	VC308206	 Advanced environmental science (beyond an introductory course) 	0	Φ.	VH241019		subitem "e" the
k. International Baccalaureate Physics 1. Advanced physics (beyond an introductory	Φ	0	VC8(2556	k. International Baccalaureate Environmental	Ø	Ф	VH241001		wording "and
course)	0	0	QK070748	Systems and Societies 1. Advanced Placement Environmental	•				societies" was
m. International Baccalaureate Design Technology	0	•	VC112557	Science m. Advanced Placement Environmental Science	Φ	Φ	VH240998		added to match
n. Advanced technology (beyond an introductory course)	Φ	0	VC312559	n. Advanced Placement Physics C	0	Φ	VH241000		the current
				o. Advanced Placement Physics 1	0	0	VH748759		course title, (4)
(2015 Grade 12)				p. Advanced Placement Physics 2	0	Ф	VH748760		
				q. Advanced Placement Computer Science A	⊕	0	VH2AIII13		in subitem "j"
				 Advanced Placement Computer Science Principles 	@	Φ	VH748761		the words "B or were removed
				Issue: Organization of Instruction	on				to match the current course availability, (5) new subitems "o", "p", "q", and "r" were added based or stakeholder feedback, and (6) the subitems
									were rearrange to group simila content togeth based on

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						Grade 12 Science 2018 item						D/A/ R/NC+	Rationale
1. Beginning with ninth grade, how m course work in science does your so 2. Less than two years 3. Two years 4. Three years 5. Four years 6. More than four years (2015 Grade 12)				VEHACIA.		1. Beginning with ninth grade, how m course work in science does your sc 1. Less than two years 1. Two years 1. Three years 1. Four years More than four years 1. Ssue: Organization of	hool or district re	equire for graduation?		VID80125		NC	
2. Does your school offer onlin Yes No (2015 Grade 12)	e science cours	ses for credit?			VC304672	2. Does your school offer online Yes No Issue: Organization of	e science cours	ses for credit?			V11240124	NC	
5. To what extent is each of t twelfth-grade students at y				ialist(s) available	VIII.58064	To what extent is each of the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to the staff available to twelfth-grade to twelfth-grade to the staff available to twelfth-grade to twelft	ide students at	t your school? Sel	he additional s ect one circle i	n each row,	VH241455	R	The following revision was
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	extent	Large extent			made: In the stem "science
Provide science course-related support, remediation, or intervention to individual students	(3)	0	©	0	VI1158065	Provide science course-related support, remediation, or intervention to individual students	0	0	Θ	0	VH241456		specialist(s)" wa
b. Provide science course-related support, remediation, or intervention to groups of students	0	0	0	0	VH158068	b. Provide science course-related support, remediation, or intervention to groups of students	0	Ф	0	•	VH241457		"additional science staff" based on
c. Provide science enrichment to individual students	Θ	•	0	0	VHIASOSY	c. Provide science enrichment to individual students	•	Φ	0	0	VH241458		cognitive interview study
d. Provide science enrichment to groups of students	0	•	0	0	V11158066	d. Provide science enrichment to groups of students	•	Φ	0	Ф	VH241459		results, expert committee
(2015 Grade 12)						Issue: Resources for	Learning	and Instru	iction				feedback, and stakeholder feedback.
9. Does your school have labor ② Yes				ction?	VH142303	Does your school have labor Yes				uction?	VH240127	NC	
No → Question 10 is not (2015 Grade 12)	applicable and	d will be skipped	.).			No → Question X is not a Issue: Resources for	Agricultura Anna						

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item				D/A/ R/NC+	Rationale To reduce school administrator	
11. To what extent are any of t Select one circle in each ro	he following av	vailable to twelft	h-grade teache	rs who teach scier	venissa) ce?	N/A						
	Not at all	Small extent	Moderate extent	Large extent								burden and redundancy of
Science textbooks (including digital forms, such as online textbooks)	0	Ф	- 0	۵	VF863506							items across
 Science magazines and books (including digital forms, such as online magazines and books) 	⊗	Ф	0	0	VF86351f1							respondent groups, this iten was dropped.
c. Supplies or equipment for science demonstrations	•	0	0	0	VE015633							was dropped.
d. Supplies or equipment for science labs	⊗	0	0	0	VE015634							
e. Student access to computers in class for science instruction	•	0	0	٥	VED15635							
. Student access to computer labs for science instruction	•	0	0	0	VED15636							
z. Teacher access to computers for science instruction	0	0	0	0	VED15637							
n. Computerized science labs for classroom use	0	Φ	0	Φ	VED15638							
. Audiovisual materials for science instruction	0	Φ	0	•	VE015639							
Science kits	0	(D)	0	0	YED15640							
 Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales) 	8	Φ	0	Φ.	VED]5641							
2015 Grade 12)			•	•								
14. To what extent does your sexperiences? Select one cir			udents with th	e following learni	VH142406	13. To what extent does your school plearning experiences? Select one of	provide twelfth-gr pircle in each row.	ade students with th	ne following	VH241510	NC	
	No	t at all	-2 times per year	3 or more times per year			Not at all	1–2 times per year	3 or more times per year	11.		
. Science fairs		Ø	year ©	© ©	VH142407	a. Science fairs	0	00	0	VH241511		1
. Science competitions	The state of the s		0	0	VH142409	b. Science competitions	0	Φ	0	VH241512		
Science-related field trips (including museums, zoos, aquariums, science centers,	cience-related field trips		0	0	VH142408	 Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites) 	Ø	Φ	ø	VH241513		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

								nool	
Previous item								D/A/ R/NC	Rationale
12. Approximately what resources for twelft	2. Approximately what percentage of your school's classrooms has the following technological resources for twelfth-grade science instruction? Select one circle in each row.							D	To reduce school administrator
	0%	1-25%	26-50%	51-75%	76-99%	100%			burden and
a. Desktop computer	0	00	0	0	0	®	VED[5643		redundancy of
b. Laptop computer	0	0	0	0	Φ	®	VED15644		items across
c. Tablet computer	0	0	0	0	0	Ð	VI-1158070		
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	•	Ф	0	0	θ	Ð	YE015646		respondent groups, this iten was dropped.
e. CD-ROM	0	00	0	0	0	®	VE015647		
f. Online software	0	0	0	0	0	®.	VED15648		
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	0	Φ	0	9	θ	•	VED15649		
h. Cable/satellite/ closed-circuit television	0	Ф	0	Ф	Ф	©	VE015650		
 i. DVD player and DVDs 	0	00	0	0	0	Ø	VE0(565)		
j. Digital camera	0	0	0	0	(©	YE015652		
k. Graphing	0	Φ.	O	0	0	©	VE015653		
calculator					-		1 1 1		
Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	③	Φ	0	00	Θ	ø	YE015454		
	0%	1-25%	26-50%	51-75%	76-99%	100%			
m. Data collection sensors/probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	0	Θ	0	(8)	θ	Θ	VEO1545S		
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	Ø	Ф	0	0	θ	Ð	VE015656		
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	0	Φ	0	69	θ	Ð	VE015657		

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Grade 12 Science School							
Previous item	2018 item	D/A/ R/NC+	Rationale				
(2015 Grade 12)							
1. In addition to their regular classroom teacher, is there a science specialist available (full- or part-time) to twelfth grade students at your school? ② Yes, available full-time to twelfth-grade students ③ Yes, available part-time to twelfth-grade students ③ No Question X is not applicable and will be skipped. (2017 Grade 12)	4. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to twelfth-grade students at your school? ② Yes, available full-time to twelfth-grade students ③ Yes, available part-time to twelfth-grade students ③ No → Question X is not applicable and will be skipped. Issue: Resources for Learning and Instruction	R	The following revision was made: In the stem "a science specialist available (full- or part-time)" has been changed to "any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available" based on cognitive interview study results, expert committee feedback, and stakeholder feedback.				

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item						2018 item						D/A/ R/NC+	Rationale
To what extent is your sch following resources? Select	ool's science pr	ogram structured ach row.	according to th	ie	VH341368	8. To what extent is your scho following resources? Select			according to tl	ne	VH241305	R	The following revisions were
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent			made: (1) new
District curriculum standards or curriculum guides	0	•	0	0	VH2A1/67	District curriculum standards or curriculum guides	®	Ф	0	0	VH2A1307		subitem "c" has been added
 State curriculum standards or frameworks 	0	•	0	0	VH241306	b. State curriculum standards or frameworks	•	Φ.	0	0	VH241306		based on
c. In-school curriculum frameworks and standards for learning	0	0	0	0	VH241309	c. Standards or frameworks common to several states	•	Φ.	0	Φ	VH705771		stakeholder feedback, and
d. Results from district assessments	0	•	0	0	VH/s40850	d. In-school curriculum frameworks and standards for learning	0	Φ	0	0	VH241309		(2) new subitem
e. Results from state assessments	0	•	0	0	VI1640851.	e. Results from school assessments (e.g., quizzes	•	00	9	0	VH241314		"e", and "h"
f. Recommendations from school science department	0	•	0	0	VH241311	or tests created by teachers) f. Results from district	9	Ψ	9		111241214		were added to create
g. Discretion of individual teachers	0	•	0	Θ	VH241312	assessments	0	Ф	0	0	VH640850		consistency
h. Commercially designed programs	00	•	0	0	VH241313	g. Results from state assessments	⊗	Φ.	0	Φ	VH640851		across subject
. Resources found on the Internet	0	•	0	0	VH640837	h. Results from national assessments	•	Ф	0	0	VH705772		questionnaires
2017 Grade 12)						 Recommendations from school science department 	0	Φ.	0	0	VH241311		(2018 social
,						 Discretion of individual 							-41!1
						teachers	0	Φ.	0	0	VH241313		studies).
							0	Φ	0	0	VH241313 VH241313		studies).
						teachers k. Commercially designed							studies).
						k. Commercially designed programs 1. Resources found on the	Φ Φ	Φ	Ø	•	VH241313		studies).
To what extent is each of t available to twelfth-grade to	the following a teachers at you	responsibility of t r school? Select or	he science coac ne circle in eacl	ch(es) n row.	VEN1460	k. Commercially designed programs 1. Resources found on the Internet	© of Instruc	tion responsibility of t	© ©	© ©	VH241313	R	The following revision was
3. To what extent is each of t available to twelfth-grade	the following a teachers at you Not at all	responsibility of t r school? Select of Small extent	he science coac ne circle in eacl Moderate extent	ch(es) 1 row. Large extent	VEN1460	k. Commercially designed programs l. Resources found on the Internet Issue: Organization of the Towns of th	© of Instruc	tion responsibility of t	© ©	© ©	VH241313 VH640857	R	The following revision was made: In the
available to twelfth-grade to twelfth-grade to the content or the teaching of science to individual teachers	teachers at you	r school? Select or	ne circle în eacl Moderate	row.	VHM1460 VH241461	k. Commercially designed programs l. Resources found on the Internet Issue: Organization of the Towns of th	© of Instruction of following a standard teachers at	tion responsibility of t	© he additional sect one circle in	© cience each row.	VH241313 VH640857	R	The following revision was made: In the stem "the science coach"
available to twelfth-grade to twelfth-grade to twelfth-grade about science content or the teaching of science to individual teachers b. Provide technical support/assistance with lab equipment to individual teachers	Not at all	Small extent	Moderate extent	Large extent		k. Commercially designed programs l. Resources found on the Internet Issue: Organization of the Staff available to twelfth-grams. a. Provide support/assistance with science content or the teaching of science to the staffing of science to the staff available to the staff available to twelfth-grams.	© of Instruction following a lade teachers at Not at all	tion responsibility of tryour school? Sele	© he additional sect one circle in Moderate extent	© Cience each row.	VH241315 VH640857 VH640867	R	The following revision was made: In the stem "the
a. Provide support/assistance about science content or the teaching of science to individual teachers b. Provide technical support/assistance with lab equipment to individual	Not at all	Small extent	Moderate extent	Large extent	V#I241461	k. Commercially designed programs l. Resources found on the Internet Issue: Organization of staff available to twelfth-grams a. Provide support/assistance with science content or the teaching of science to individual teachers b. Provide technical support/assistance with lab equipment to individual	© of Instruction following a lade teachers at the last all of	tion responsibility of tyour school? Sele Small extent	© the additional sect one circle in Moderate extent	© Cience each row. Large extent	VH241313 VH640857 VHEM1460	R	The following revision was made: In the stem "the science coach" has been changed to "the

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Previous item				2018 item					Rationale
2. Is there a science coach available (full- or part-time) to twelfth-grade teachers at your school? ② Yes, available full-time to twelfth-grade teachers ③ Yes, available part-time to twelfth-grade teachers ② No Question X is not applicable and will be skipped. (2017 Grade 12)		6. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to twelfth-grade teachers at your school? ② Yes, available full-time to twelfth-grade teachers ③ Yes, available part-time to twelfth-grade teachers ③ No → Question X is not applicable and will be skipped. Issue: Resources for Learning and Instruction			R/NC+	The following revision was made: In the stem "Is there a science coach available (full- or part-time)" has been changed to "Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available".			
7. In this school year, is there a science club offer school? Select one circle in each row.	red to twelfth-grade s	students in your	V3E241596	12. In this school year, are any of the following types of science clubs offered to twelfth-grade students in your school? Select one circle in each row.			R	The following revision was	
	Yes	No			Yes	No	1		made: In the ster
Parent volunteered (initiated and run by individual parents)	0	0	VH643699	Parent volunteered (initiated and run by individual parents)	Ø	Φ	VH643899		"is there a science
b. Teacher volunteered (initiated and run by individual teachers)	0	0	VH241507	b. Teacher volunteered (initiated and run by individual teachers)	0	Ф	VH2A1507		club offered" wa changed to "are
c. School sponsored (initiated by school and run by school designated personnel)	®	0	VH241509	c. School sponsored (initiated by school and run by school designated personnel)	•	Φ.	VH241509		any of the
d. Partnered with external agencies (such as universities, science museums, or industries)	0	•	VH241508	d. Partnered with external agencies (e.g., universities, science museums, or companies)	@	Ф	VH241508		following types of science clubs
(2017 Grade 12)				Issue: Resources for Learning ar	nd Instruction				offered" based o cognitive interview study results, expert committee feedback, and stakeholder feedback.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item						2018 item					D/A/ R/NC+	Rationale	
5. To what extent does your school provide up-to-date technology resources for science teaching and learning? Not at all Small extent Moderate extent Large extent (2017 Grade 12)				9. To what extent does your school provide up-to-date technology resources for science teaching and learning?				NC	The following				
 To what extent do your sch twelfth-grade instruction h 				each row.		 To what extent do your sch twelfth-grade instruction h. 	ool's science la ave the followi	aboratories that ar ing features? Selec	e available for t one circle in	each row.		R	revisions were
	Not at all	Small extent	Moderate extent	Large extent			Not at all	Small extent	Moderate extent	Large extent	76.		made: (1)
Demonstration stations	0	(1)	0	0	VH241465	a. Demonstration stations	0	00	0	•	VH241465		subitem "h" w
. Student lab stations	0	0	0	Ф	VIII241466	b. Student lab stations	0	00	0	0	VH241466		changed to
. Storage areas for chemicals and other supplies	0	•	0	0	VH241467	 Storage areas for chemicals and other supplies 	®	0	0	0	VH241467		include exam
. Electricity	@	0	0	0	VE1241468	d. Electricity	⊕	Φ.	0	Φ	VH241468		content base
. Running water Gas for burners	0	0	0	0	VHZ41469 VHZ41470	e. Running water	0	0	O	0	VH241469		on cognitive
Hoods or air hoses	9	Φ	0	0	VH241470	f. Gas for burners	0	0	0	Φ	VH241470		_
. Safety equipment	9	0	0	0	VHZ41472	g. Hoods or air hoses	0	0	0	0	VH241471		interview stu
Computers	9	0	0	0	VH241473	h. Safety equipment (e.g., goggles, fire extinguishers,	Φ	00	0	0	VH2A1472		results, and
. Internet connection	0	0	0	0	VIII24)474	or eye wash stations)					11041412		subitem "I" v
2017 Grade 12)						 Computers and other digital devices 	•	Φ	0	0	VH241473		revised to
						j. Internet connection	•	00	0	0	VH2A1474		include "and
						Issue: Resources for	Learning	and instru	ction				other digital devices" to create consistency across items.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-3I: Pilot Grade 4 Science

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

VH240117

- 1. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to fourth-grade students at your school?
 - Yes, available full-time to fourth-grade students
 - Yes, available part-time to fourth-grade students
 - \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241296

2. To what extent is each of the following a responsibility of the additional science staff available to fourth-grade students at your school? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Provide science course-related support, remediation, or intervention to individual students	(®	0	0	VH241297
b.	Provide science course-related support, remediation, or intervention to groups of students	(4)	®	0	0	VH241298
c.	Provide science enrichment to individual students	(A)	®	0	0	VH241299
d.	Provide science enrichment to groups of students	<u> </u>	®	0	0	VH241300

VH240118

- **3.** Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to fourth-grade teachers at your school?
 - Yes, available full-time to fourth-grade teachers
 - Yes, available part-time to fourth-grade teachers
 - \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241301

4. To what extent is each of the following a responsibility of the additional science staff available to fourth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	(A)	(8)	0	0	VH241302
b. Provide technical support/ assistance with lab equipment to individual teachers	(A)	®	0	0	VH640260
c. Conduct professional development about science or the teaching of science for groups of teachers	(A)	®	0	(VH241303

2

VH241305

5. To what extent is your school's science program structured according to the following resources? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	District curriculum standards or curriculum guides	®	®	0	0	VH241307
b.	State curriculum standards or frameworks	A	®	0	•	VH241306
c.	Standards or frameworks common to several states	A	®	0	0	VH705771
d.	In-school curriculum frameworks and standards for learning	®	(8)	0	0	VH241309
e.	Results from school assessments (e.g., quizzes or tests created by teachers)	(A)	(8)	0	0	VH241314
f.	Results from district assessments	(A)	®	0	0	VH640850
g.	Results from state assessments	A	®	0	0	VH640851
h.	Results from national assessments	A	®	0	0	VH705772
i.	Discretion of individual teachers	A	®	0	0	VH241312
j.	Commercially designed programs	A	®	0	0	VH241313
k.	Resources found on the Internet	A	®	0	0	VH640857

VH241315

6. To what extent do your school's fourth-grade science curricula focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	Ø	®	0	0	VH241319
b. District assessments	(A)	®	0	0	VH241318
c. School assessments (e.g., quizzes or tests created by teachers)	(A)	®	0	0	VH640864

VH642831

- 7. To what extent does your school provide up-to-date technology resources for science teaching and learning?
 - Not at all
 - Small extent
 - Moderate extent
 - Large extent

VH240119

- 8. Does your school have laboratory facilities for fourth-grade science instruction?
 - A Yes
 - **⑤** No →Question X is not applicable and will be skipped.

VH241320

9. To what extent do your school's science laboratories that are available for fourth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	(A)	®	0	0	VH241321
b. Student lab stations	(A)	®	0	0	VH241322
c. Storage areas for chemicals and other supplies	(A)	®	0	0	VH241323
d. Electricity (for example, power outlets for using lab equipment)	(A)	®	0	0	VH241324
e. Running water	(A)	®	0	0	VH241330
f. Gas for burners	(A)	®	0	0	VH241326
g. Hoods or air hoses	(A)	®	0	0	VH241327
h. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	(A)	®	0	0	VH241328
i. Computers and other digital devices	(A)	®	0	0	VH241329
j. Internet connection	(A)	®	0	0	VH241325

VH241362

10. In this school year, are any of the following types of science clubs offered to fourth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	(A)	®	VH640872
b. Teacher volunteered (initiated and run by individual teachers)	(A)	®	VH241363
c. School sponsored (initiated by school and run by school designated personnel)	(A)	®	VH241365
d. Partnered with external agencies (e.g., universities, science museums, or companies)	(A)	®	VH241364

VH241366

11. To what extent does your school provide fourth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	(A)	®	0	VH241367
b. Science competitions	(A)	®	0	VH241368
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	(4)	®	0	VH241369

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Appendix I-3m: Pilot Grade 8 Science

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

VH240120

- 1. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to eighth-grade students at your school?
 - Yes, available full-time to eighth-grade students
 - Yes, available part-time to eighth-grade students
 - \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241370

2. To what extent is each of the following a responsibility of the additional science staff available to eighth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide science course-related support, remediation, or intervention to individual students	®	®	0	0	VH241371
b. Provide science course-related support, remediation, or intervention to groups of students	®	®	0	0	VH241372
c. Provide science enrichment to individual students	®	®	0	0	VH241373
d. Provide science enrichment to groups of students	(A)	®	©	0	VH241374

VH240121

- **3.** Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to eighth-grade teachers at your school?
 - Yes, available full-time to eighth-grade teachers
 - Yes, available part-time to eighth-grade teachers
 - \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241375

4. To what extent is each of the following a responsibility of the additional science staff available to eighth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	(9)	®	0	0	VH241376
b. Provide technical support/ assistance with lab equipment to individual teachers	(9)	®	0	0	VH640268
c. Conduct professional development about science or the teaching of science for groups of teachers	()	(8)	0	©	VH241377

2

VH241305

5. To what extent is your school's science program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	®	®	0	0	VH241307
b. State curriculum standar or frameworks	ds	®	0	0	VH241306
c. Standards or frameworks common to several states		®	0	0	VH705771
d. In-school curriculum frameworks and standard for learning	ds 🚳	(8)	0	0	VH241309
e. Results from school assessments (e.g., quizzes or tests created by teacher		(8)	0	0	VH241314
f. Results from district assessments	(A)	®	0	0	VH640850
g. Results from state assessments	(A)	₿	0	0	VH640851
h. Results from national assessments	(A)	®	0	0	VH705772
i. Recommendations from school science departmen	nt ®	®	0	0	VH241311
j. Discretion of individual teachers	(A)	®	0	0	VH241312
k. Commercially designed programs	(A)	®	©	0	VH241313
l. Resources found on the Internet	(8)	®	0	0	VH640857

VH241379

6. To what extent do your school's eighth-grade science curricula focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	A	®	0	0	VH241383
b. District assessments	(A)	®	0	0	VH241382
c. School assessments (e.g., quizzes or tests created by teachers)	(8)	®	0	0	VH643937

VH642831

- 7. To what extent does your school provide up-to-date technology resources for science teaching and learning?
 - Not at all
 - Small extent
 - Moderate extent
 - Large extent

VH240122

- 8. Does your school have laboratory facilities for eighth-grade science instruction?
 - A Yes
 - **⑤** No →Question X is not applicable and will be skipped.

VH241384

9. To what extent do your school's science laboratories that are available for eighth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	A	®	0	0	VH241385
b. Internet connection	A	®	0	0	VH241389
c. Student lab stations	(A)	®	0	0	VH241386
d. Storage areas for chemicals and other supplies	(A)	®	0	0	VH241387
e. Electricity (for example, power outlets for using lab equipment)	(A)	®	0	0	VH241388
f. Running water	(A)	®	0	0	VH241394
g. Gas for burners	A	®	0	0	VH241390
h. Hoods or air hoses	(A)	®	©	0	VH241391
i. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	(A)	(8)	0	0	VH241392
j. Computers and other digital devices	A	®	0	0	VH241393

VH241446

10. In this school year, are any of the following types of science clubs offered to eighth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	®	®	VH643916
b. Teacher volunteered (initiated and run by individual teachers)	(4)	®	VH241447
c. School sponsored (initiated by school and run by school designated personnel)	(9)	®	VH241449
d. Partnered with external agencies (e.g., universities, science museums, or companies)	0	®	VH241448

VH241451

11. To what extent does your school provide eighth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	(A)	®	0	VH241452
b. Science competitions	(A)	®	0	VH241453
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	(®	0	VH241454

Appendix I-3n: Pilot Grade 12 Science

Note that pilot items are labeled as 2019 pilot which indicates that they will be piloted in 2018 for operational use in 2019.

			VH240123
1.		ginning with ninth grade, how many years (or Carnegie-unit equivalents) of arse work in science does your school or district require for graduation?	
	(A)	Less than two years	
	®	Two years	
	0	Three years	
	(Four years	
	(E)	More than four years	
			VH240124
2.	Do	es your school offer online science courses for credit?	
	(A)	Yes	
	$^{ ext{ B}}$	No	

VH240984

3. Are courses of at least one semester in length taught in your school in each of the following subjects? Select **one** circle in each row.

	Yes	No	
a. Advanced Placement® Biology	(A)	®	VH240997
b. Advanced physics (beyond an introductory course)	(A)	®	VH240996
c. Advanced biology (beyond an introductory course)	(A)	®	VH240994
d. Advanced chemistry (beyond an introductory course)	(®	VH240995
e. International Baccalaureate® Design Technology	(®	VH241004
f. Advanced technology (beyond an introductory course)	(®	VH241005
g. International Baccalaureate Chemistry	(A)	®	VH241002
h. International Baccalaureate Physics	(A)	®	VH241003
i. International Baccalaureate Biology	(A)	®	VH240986
j. Advanced environmental science (beyond an introductory course)	(a)	®	VH241019
k. International Baccalaureate Environmental Systems and Societies	(A)	®	VH241001
Advanced Placement Environmental Science	(A)	®	VH240998
m. Advanced Placement Chemistry	(A)	®	VH240999
n. Advanced Placement Physics C	(A)	®	VH241000
o. Advanced Placement Physics 1	(A)	®	VH748759
p. Advanced Placement Physics 2	(A)	®	VH748760
q. Advanced Placement Computer Science A	(A)	®	VH241013
r. Advanced Placement Computer Science Principles	®	®	VH748761

VH240125

- **4.** In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to twelfth-grade students at your school?
 - Yes, available full-time to twelfth-grade students
 - ® Yes, available part-time to twelfth-grade students
 - \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241455

5. To what extent is each of the following a responsibility of the additional science staff available to twelfth-grade students at your school? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
1	Provide science course-related support, remediation, or intervention to individual students	(4)	®	0	0	VH241456
1	Provide science course-related support, remediation, or intervention to groups of students	(4)	®	0	0	VH241457
(Provide science enrichment to individual students	<u>(A)</u>	®	0	0	VH241458
(Provide science enrichment to groups of students	(A)	®	0	0	VH241459

VH240126

6. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to twelfth-grade teachers at your school?

3

- Yes, available full-time to twelfth-grade teachers
- Yes, available part-time to twelfth-grade teachers
- \bigcirc No \rightarrow Question X is not applicable and will be skipped.

VH241460

7. To what extent is each of the following a responsibility of the additional science staff available to twelfth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	(a)	®	0	0	VH241461
b. Provide technical support/ assistance with lab equipment to individual teachers	(a)	®	0	0	VH640273
c. Conduct professional development about science or the teaching of science for groups of teachers	<u>a</u>	®	0	©	VH241462

4

VH241305

8. To what extent is your school's science program structured according to the following resources? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
s	District curriculum standards or curriculum guides	0	(8)	0	0	VH241307
	State curriculum standards or frameworks	A	®	0	0	VH241306
	Standards or frameworks common to several states	A	®	0	0	VH705771
f	In-school curriculum frameworks and standards for learning	®	®	0	0	VH241309
a	Results from school assessments (e.g., quizzes or tests created by teachers)	®	®	0	0	VH241314
1	Results from district assessments	A	®	0	0	VH640850
10	Results from state assessments	A	®	0	0	VH640851
1	Results from national assessments	A	®	0	0	VH705772
	Recommendations from school science department	A	®	0	0	VH241311
	Discretion of individual teachers	(A)	®	0	0	VH241312
	Commercially designed programs	Ø	®	0	0	VH241313
1	Resources found on the Internet	Ø	®	0	0	VH640857

VH642831

- **9.** To what extent does your school provide up-to-date technology resources for science teaching and learning?
 - Not at all
 - Small extent
 - Moderate extent
 - Large extent

VH240127

- 10. Does your school have laboratory facilities for twelfth-grade science instruction?
 - A Yes
 - lacktriangleq No lacktriangle Question X is not applicable and will be skipped.

VH241464

11. To what extent do your school's science laboratories that are available for twelfth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	(A)	®	0	0	VH241465
b. Student lab stations	(A)	®	0	0	VH241466
c. Storage areas for chemicals and other supplies	A	®	0	0	VH241467
d. Electricity	(A)	®	0	0	VH241468
e. Running water	(A)	®	0	0	VH241469
f. Gas for burners	(A)	®	0	0	VH241470
g. Hoods or air hoses	(A)	®	0	0	VH241471
h. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	(A)	®	0	0	VH241472
i. Computers and other digital devices	A	®	0	0	VH241473
j. Internet connection	(A)	®	0	0	VH241474

6

VH241506

12. In this school year, are any of the following types of science clubs offered to twelfth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	(8)	®	VH643899
b. Teacher volunteered (initiated and run by individual teachers)	(4)	®	VH241507
c. School sponsored (initiated by school and run by school designated personnel)	(4)	®	VH241509
d. Partnered with external agencies (e.g., universities, science museums, or companies)	®	®	VH241508

VH241510

13. To what extent does your school provide twelfth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	A	®	0	VH241511
b. Science competitions	A	®	0	VH241512
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	(®	0	VH241513

Appendix I-3o: Summary of Revisions 2018 Grades 8 Social Studies

evious item						2018 item					D/A/ R/NC+	Rationale					
At what grade do one or more squar	students in y	our school t w.	ypically tak	e the followi	ng classes? !	Select	VH494277	At what grade do s one or more square			ypically tak	e the followi	ing classes?	Select	VH494277	NC	N/A
	5th grade	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.			5th grade	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.			
 A class primarily focused on civics and/or United States government 	0	Ф	0	0	Ð	Ð	VH494278	A class primarily focused on civics and/or United States government	0	(D)	0	0	Φ	Ф	VH49427H		
 A class primarily focused on geography 	0	®	0	0	0	Φ	VH494279	b. A class primarily focused on geography	۵	(D)	0	0	Ф	Ф	VH494279		
c. A class primarily focused on United States history	0	•	0	0	Φ	•	VH49428D	c. A class primarily focused on United States history	۵	0	0	Ф	θ	Φ	VH494280		
 A class that integrates two or more areas of social studies (e.g., civics and/or United States government, geography, or United States history) 	۵	Φ	0	Φ	Θ	Φ	VH494281	d. A class that integrates two or more areas of social studies (e.g., civics and/or United States government, geography, or United States history)	۵	•	0	0	θ	θ	VFI494281		
017 Grade 8	e following p	professional of	developmen	t programs (e	.g., training	pr	VH495689	Issue: Organiza	e following p	rofessional	developmen	t programs (e	e.g., training	Dr.	VII495689	R	Previous
social studies teac	hers? Select	one or more	squares in c	each row.				sessions and workshops, including online classes) been offered in your school for social studies teachers? Select one or more squares in each row.								subitem "c" w replaced with	
		Yes, pro school o perso	r district	Yes, provided professional outside of m school or dist	s v	No				school o	r district	Yes, provided professiona outside of n chool or dist	ls ny	No			new subitems "c" and "d"
 Programs aimed at c and improving pract studies instruction 	tices for soci	al q	D	•		0	VH495690	Programs aimed at c and improving prace studies instruction	developing cices for soci	il c	D	•		0	VH495690		based on participant
 Programs aimed at a and improving gene practices 	ral teaching		D .	Ф		0	VH495691	 b. Programs aimed at c and improving gene practices 			D	•		0	VH495691		responses tha
Other professional of program(s) (Please s	development pecify):		D	•		0	VH495694	 Programs aimed at of and improving gene critical reading and 	ral teaching	of s	D	•		0	VH717354		were exceedingly
								d. Programs aimed at t technology in the cl			D	Φ		0	VH717355		reported.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item							2018 item					D/A/ R/NC+	Rationale		
How much is your sch and/or United States g according to the follow	overnment, go	eography, or U	nited States I	history) structu	cs red	VH494335	How much is your sche and/or United States go according to the follow	overnment, g	eography, or Ur	nited States	history) structu	cs red	VI3494355	R	Subitems "c" and "g" were
	Not at all	Very little	Some	Quite a bit	A lot			Not at all	Very little	Some	Quite a bit	A lot	ileni s		dropped to
District curriculum standards or curriculum guides	0	®	0	0	Ð	VH494356	District curriculum standards or curriculum guides	®	Φ	0	•	Ф	VH494356		create consistency with
b. State curriculum standards or frameworks	0	•	0	0	Ф	VH494357	b. State curriculum standards or frameworks	Φ	Φ	0	•	Φ	VH494357		ADC decisions made for 2017
c. National curriculum standards or frameworks	0	Φ	0	•	Φ	VH494358	c. In-school curriculum frameworks and standards for learning	0	(D)	0	0	Ф	VI1494359		operational
d. In-school curriculum frameworks and standards for learning	0	®	0	0	Ф	VI1494359	d. Results from district assessments	0	0	0	Φ	Ð	VH494360		assessments.
e. Results from district assessments	0	•	0	0	Ф	VII494360	e. Results from state assessments	0	(D)	0	0	0	VH494361		Subitem "h" wa revised for consistency across subjects.
f. Results from state assessments	0	®	0	0	Ð	VH494361	f. Recommendations from school social studies department	0	®	0	0	Φ	VH727954		
g. Results from national assessments	0	Φ	0	•	Ф	VH494362	g. Discretion of individual teachers	0	D	0	0	®	VH494864		
h. Recommendations from district social studies department	0	®	0	0	Ð	VH494363	h. Results from school assessments (e.g., quizzes or tests	0	©	0	•	0	VI1494365		
 Discretion of individual teachers 	0	Φ	0	0	0	V11494364	created by teachers)								
j. Results from school assessments (e.g., quizzes or tests created by teachers)	0	Ф	0	Φ	Φ	VI1494365	i. Resources found on the Internet	0	Φ	0	Φ	(D)	VH494366		
k. Resources found on the Internet	0	Φ	0	Φ	Ð	VH494366	Issue: Organizatio	n of Inst	ruction						
2017 Grade 8) 3. How much does your school's eighth-grade social studies curriculum (e.g., civics and/or United States government, geography, or United States history) focus on preparation for the following types of assessments? Select one circle in each row.							How much does your sand/or United States general preparation for the foll	overnment, g	eography, or Ur	nited States	history) focus or	1	VII494369	R	Subitem "e" wa dropped to create
a. District assessments	Not at all	Very little	Some	Quite a bit	A lot	VH494370		Not at all	Very little	Some	Quite a bit	A lot			consistency wit
b. State assessments	0	0	0	0	Ф	VI1494371	District assessments State assessments	0	•	0	0	0	VH494870 VH494371		ADC decisions
c. National assessments d. School assessments	0	0	0	0	Ð	VH494372	c. School assessments	0	(D)	0	0	Ф	A114242(T		made for 2017
(e.g., quizzes or tests created by teachers)	00	©	0	0	Œ	VH494373	(e.g., quizzes or tests created by teachers)	0	Ф	0	0	Φ	VH494373		operational
e. Computer-based or online assessments (e.g., national assessments or tests created by teachers)	0	(D)	0	Ф	Ф	VH494374	Issue: Organization	n of Ins	truction						assessments.

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

revious item				2018 item					Rationale
4. Does your school offer any of the following services for eighth-grade students who fall behind or need extra help in social studies (e.g., civics and/or United States government, geography, or United States history)? Select one circle in each row.				fall behind or need extra help in social studies	5. Does your school offer any of the following services for eighth-grade students who fall behind or need extra help in social studies (e.g., civics and/or United States government, geography, or United States history)? Select one circle in each row.				
	Yes	No			Yes	No	1.1		that over 88% o
a. Tutoring	Ø	•	VH494847	a. Tutoring	0	•	VH494347		respondents
b. Placement of instructional aides in classrooms to provide assistance	Φ	0	VH494348	b. Placement of instructional aides in classrooms to provide assistance	0	0	VH494348		chose "No".
c. Use of instructional aides for pull-out instruction	•	0	V11494349	c. Use of instructional aides for pull-out instruction	0	•	VH494349		
d. Extra work or homework	0	Ф	VII494350	d. Extra work or homework	•	Φ.	V21494350		
e. Before- or after-school programs	•	0	VH494351	e. Before- or after-school programs	0	•	VH494351		
f. Saturday classes	0	•	VH494352	F. Summer school programs	00	0	VH494353		
g. Summer school programs h. Extra help for English-language learners	Ø	(D)	VH494353 VH494354	g. Extra help for English-language learners	0	0	VH494354		
5. Does your school offer any of the following s	school-sponsored activi	ities to	VH495721	Issue: Resources for Learning at			VH495721	R	
	ich row.		VH498721	Does your school offer any of the following seighth-grade students? Select one circle in early students?	chool-sponsored activ		VIB495721	R	dropped given
eighth-grade students? Select one circle in ea	Yes	No		Does your school offer any of the following s	school-sponsored activ tch row.	ities to	V18495723	R	dropped given that
Does your school offer any of the following seighth-grade students? Select one circle in ea Student government	ich row.	No	V16495722	Does your school offer any of the following s eighth-grade students? Select one circle in ea	school-sponsored activ ich row.	ities to		R	dropped given that "Other(Please
5. Does your school offer any of the following s eighth-grade students? Select one circle in ea	Yes	No		Does your school offer any of the following seighth-grade students? Select one circle in ea Student government	chool-sponsored active the row. Yes	No D	V0H/S722	R	dropped given that "Other(Please
Does your school offer any of the following seighth-grade students? Select one circle in ea Student government D. Classes with a community service	Yes	No	V16495722	Does your school offer any of the following s eighth-grade students? Select one circle in ea Student government Classes with a community service component	school-sponsored activ ich row.	No	VH495722 VH495728	R	
5. Does your school offer any of the following s eighth-grade students? Select one circle in ea a. Student government b. Classes with a community service component c. Clubs with a community service component d. Special courses or workshops to improve skills with computers or other digital	Yes	No ©	V14495722 V14495723	Does your school offer any of the following s eighth-grade students? Select one circle in ea Student government D. Classes with a community service	chool-sponsored active the row. Yes	No D	V0H/S722	R	dropped given that "Other(Please specify)" should only be used in pilot to ensure
5. Does your school offer any of the following s eighth-grade students? Select one circle in ea a. Student government b. Classes with a community service component c. Clubs with a community service component d. Special courses or workshops to improve	Yes © ©	No	VI6495722 VI6495723 VI6495724	a. Student government b. Classes with a community service component c. Clubs with a community service component component component component component component component component component component component	chool-sponsored active the row. Yes	No	VH495722 VH495728	R	dropped given that "Other(Please specify)" shoul only be used in

⁺ This column indicates whether the item was dropped (D), added (A), revised (R), or there was no change (NC).

Appendix I-3p: 2018 Operational Grade 8 Social Studies

1. At what grade do students in your school typically take the following classes? Select **one or more** squares in each row.

		5th grade	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.	
a.	A class primarily focused on civics and/or United States government	(A)	®	0	Φ	Œ	(F)	VH494278
b.	A class primarily focused on geography	(A)	®	0	0	Ē	Œ	VH494279
c.	A class primarily focused on United States history	(A)	®	0	0	Œ	Œ	VH494280
d.	A class that integrates two or more areas of social studies (e.g., civics and/or United States government, geography, or United States history)	(4)	(B)	0	Θ	((VH494281

2. This year, have the following professional development programs (e.g., training sessions and workshops, including online classes) been offered in your school **for social studies teachers**? Select **one or more** squares in each row.

		Yes, provided by school or district personnel	Yes, provided by professionals outside of my school or district	No	
a.	Programs aimed at developing and improving practices for social studies instruction	®	®	0	VH495690
b.	Programs aimed at developing and improving general teaching practices	(4)	®	0	VH495691
c.	Programs aimed at developing and improving general teaching of critical reading and writing skills	(4)	®	0	VH717354
d.	Programs aimed at using technology in the classroom	(A)	₿	0	VH717355

3. How much is your school's social studies program for eighth-graders (e.g., civics and/or United States government, geography, or United States history) structured according to the following resources? Select **one** circle in each row.

		Not at all	Very little	Some	Quite a bit	A lot	
	District curriculum standards or curriculum guides	0	®	0	0	Œ	VH494356
	State curriculum standards or frameworks	(9)	®	0	0	Œ	VH494357
	In-school curriculum frameworks and standards for learning	(A)	®	0	0	Œ	VH494359
1	Results from district assessments	A	B	0	0	Œ	VH494360
1	Results from state assessments	(A)	B	0	0	Œ	VH494361
	Recommendations from school social studies department	(A)	®	0	0	Œ	VH727954
	Discretion of individual teachers	A	B	0	0	Œ	VH494364
	Results from school assessments (e.g., quizzes or tests created by teachers)	0	®	0	0	Œ	VH494365
	Resources found on the Internet	A	®	0	0	Œ	VH494366

4. How much does your school's eighth-grade social studies curriculum (e.g., civics and/or United States government, geography, or United States history) focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. District assessments	A	®	O	0	Œ	VH494370
b. State assessments	A	®	0	0	Œ	VH494371
c. School assessments (e.g., quizzes or tests created by teachers)	(A)	®	0	0	Œ	VH494373

VH494346

5. Does your school offer any of the following services for eighth-grade students who fall behind or need extra help in social studies (e.g., civics and/or United States government, geography, or United States history)? Select **one** circle in each row.

	Yes	No	
a. Tutoring	A	®	VH494347
b. Placement of instructional aides in classrooms to provide assistance	®	®	VH494348
c. Use of instructional aides for pull-out instruction	(A)	®	VH494349
d. Extra work or homework	A	®	VH494350
e. Before- or after-school programs	(A)	®	VH494351
f. Summer school programs	A	®	VH494353
g. Extra help for English-language learners	A	®	VH494354

2018 Operational Grade 8 Social Studies School Items

VH495721

6. Does your school offer any of the following school-sponsored activities to eighth-grade students? Select **one** circle in each row.

	Yes	No	
a. Student government	(A)	®	VH495722
b. Classes with a community service component	(4)	®	VH495723
c. Clubs with a community service component	(9)	®	VH495724
d. Special courses or workshops to improve skills with computers or other digital devices	(9)	(8)	VH495725

Appendix I-3q: 2018 Operational Grade 8 TEL

The 2018 Operational Grade 8 TEL items are the same as those submitted in Appendix F-3y

The following questions are about your school's characteristics and policies related to technology and engineering.

Technology refers to all the things people make and do to their natural environment in order to get the things they want and need.

Engineering refers to using skills or knowledge to solve problems that meet people's wants and needs.

Throughout the questionnaire, unless otherwise specified, please consider and include technology and engineering topics and instruction that occur in technology- or engineering-specific courses as well as other courses (for example, science, geography, art).

VE638378

1. In your school, prior to or in eighth grade, what percentage of eighth-grade students receive instruction in each of the following topics? Select **one** circle in each row.

		None: Not included in the curriculum	Under 10%	10–25%	26–50%	51–75%	Over 75%	
a.	How objects are designed to solve problems or meet people's needs	0	®	0	Φ	(E)	Œ	VE638386
b.	The interactions among technology, society, and the environment	(9)	®	0	Φ	©	Œ	VE638388
c.	The role of technology systems (for example, energy usage, healthcare, communications)	Θ	®	0	Φ	Θ	Θ	VE638389
d.	How computers, the Internet, and other digital technologies affect society	(9)	®	0	Φ	©	Θ	VE638390
e.	Careers in technical fields (for example, engineer, medical technician, computer programmer)	Θ	®	0	Θ	Θ	Θ	VE638392
f.	Concepts related to specific technologies (for example, electronics, biotechnology, agriculture)	0	®	0	Φ	©	©	VE638395

2

VE638432

2. Prior to or in eighth grade, how are each of the following areas addressed in your school's curriculum? Select **all** squares that apply.

	Required	Elective	After school	Not offered	
a. Technology and Society (the effects that technology has on society or the natural world; or, the ethical questions that arise from those effects)	(4)	®	0	Φ	VE638435
b. Design and Systems (the nature of technology, the engineering design process by which technologies are developed, or basic approaches to dealing with everyday technologies, including maintenance or troubleshooting)	(9)	©	0	0	VE638438
c. Information and Communication Technology (for example, computers; software learning tools; networking systems and protocols; handheld digital devices; other technologies for accessing, creating, or communicating information for facilitating creative expression)	⊗	®	0	(VE638442

VE638446

- **3.** Prior to or in eighth grade, does your school require any technology or engineering instruction to students?
 - igotimes Yes \rightarrow Continue to Question 4.
 - 8 No \rightarrow *Skip to Question 5.*

VE638450

4. To what extent is your school's technology or engineering instruction based on the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State curriculum standards or frameworks	(A)	®	0	0	VE638453
b. District curriculum standards or curriculum guides	(A)	®	0	0	VE638456
c. Results from state/district assessments	(A)	®	0	0	VE638457
d. Results from school assessments	(A)	®	0	0	VE638462
e. In-school curriculum frameworks or standards for learning	(A)	®	0	0	VE638459
f. Recommendations from your teachers or content specialists	(A)	®	0	0	VE638464
g. Commercially designed programs	(A)	®	0	0	VE638470
h. Textbooks (including digital forms, such as online textbooks)	(A)	(8)	0	0	VF821977
i. Other (specify):	(A)	®	0	0	VE638467

VE638334

5. Prior to or in eighth grade, does your school offer any courses or afterschool programs that cover technology or engineering concepts?

4

- lacktriangle Yes \rightarrow Continue to Question 6.
- lacktriangle No \rightarrow Skip to Question 8.

V	C60	15	7

6.	In the rows below, please identify the most relevant courses that cover technology
	or engineering concepts (up to five) that your school offers to students prior to or
	in eighth grade.

a. Course 1:	 	
b. Course 2:		
c. Course 3:		
d. Course 4:		

e. Course 5:____

VE638483

7. In an average school year, how often is the typical eighth-grade student at your school assessed in what he or she knows about technology or engineering using the following methods? Select **one** circle in each row.

	Never	Once or twice a year	Once or twice a quarter	Once or twice a month	Once a week or more	I don't know.	
a. Standardized or performance tests	Ø	®	0	0	©	Ð	VE638486
b. Teacher-developed tests and quizzes	(A)	®	0	0	Œ	Ð	VE638487
c. Student assignments, projects, or homework	(8)	®	0	0	Θ	Φ	VE638490

VE638475

8.	The goal of the following set of questions is to gather information about the student-computer
	ratio for eighth-grade students at your school.

	Number	
a. At your school, what is the total number of students in the eighth grade?		VE638480
b. Approximately how many computers in the school are available to eighth-grade students for educational purposes?		VE638484
c. Approximately how many of these computers are connected to the Internet?		VE638485
d. Approximately how many of all computers are eighth-grade students allowed to take home with them (for example, laptops or tablets)?		VE675583

If you answered question 8d with a number greater than 0, continue to Question 9.

If you answered question 8d with 0, skip to Question 10.

VE675587

- **9.** Does your school provide computers that students are allowed to take home with them?
 - Tes, and students are allowed to keep their computer after the school year ends.
 - Yes, but students must return their computer (for example, at the end of the week or end of the school year).

6

© No

VE638517

10. In your school, prior to or in eighth grade, what percentage of eighth-grade students has taken advantage of the following school-sponsored resources during or after school? Select **one** circle in each row.

		School does not provide this resource to students.	0–5%	6–20%	21–50%	Over 50%	
a.	Clubs, competitions, exhibits, etc., related to some aspect of technology and engineering	(9)	®	0	Φ	©	VE638518
b.	Technology resources such as robotics or digital photography	(A)	®	0	0	Œ	VE638519
c.	Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	(4)	(B)	0	Θ	Œ	VE638520
d.	Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	(4)	®	0	Φ	Œ	VE638521
e.	Online courses in any subject	(A)	®	0	0	Œ	VE638522

7

VE638436

11. This year in your school, are the following resources available to teachers for teaching or professional development? Select **one** circle in each row.

		Yes	No	
a.	Financial support for professional development related to technology and engineering	0	©	VE638440
b.	Financial support for association memberships related to technology and engineering	(4)	®	VE638441
c.	Financial support for university or online courses related to technology and engineering	(9)	®	VE638443
d.	Technology resources such as robotics or digital photography	(9)	®	VE638445
e.	Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	0	®	VE638449
f.	Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	0	®	VE638452
g.	Supplies or equipment for technology demonstrations	®	®	VE638454
h.	Textbooks or digital tutorials related to technology or engineering	(4)	®	VE675624

8

VE675659

12. Does your school have equipment available for instruction with the following capabilities? Select **one** circle in each row.

		Not available	Available for some teachers	Available for all teachers	
a.	Recording video	(A)	®	0	VE677568
b.	Taking digital images	(A)	₿	0	VE677569
c.	Converting non-digital images or content (for example, scanner)	A	®	0	VE677570
d.	Projecting digital images	(A)	®	0	VE677571
e.	Projecting interactive data (for example, interactive whiteboard that responds to user control via stylus, finger, or other device)	(®	0	VE677572
f.	Collecting data (for example, tools such as sensors or probes that detect or collect information such as motion, pH, temperature, light)	(4)	®	0	VE677573
g.	Mobile computing (for example, handheld or portable computer devices)	@	(B)	0	VE677574

9

VE638523

13. To what extent is your school's capability to provide instruction in technology or engineering concepts hindered by any of the following? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	
a.	Lack of qualified teachers trained in technological or engineering content	(A)	®	0	0	VE638524
b.	Lack of technical support personnel	A	®	0	0	VE638525
c.	Lack or inadequacy of instructional materials (for example, textbooks, computers, software)	(9)	(9)	0	0	VE638526
d.	Lack or inadequacy of Internet connectivity	(A)	®	0	0	VE638528
e.	Lack or inadequacy of laboratory or workshop equipment	®	®	0	0	VE638529
f.	Lack or inadequacy of audio-visual resources	Ø	®	0	0	VE638533
g.	Lack of curriculum development expertise or standards specificity	(8)	®	0	0	VE638534
h.	Lack of time because of demands for other curriculum content	(A)	(8)	0	0	VE638535

10

VE638496

14. In the past two years, what percentage of teachers in your school has participated in professional development in any of the following? Select **one** circle in each row.

		Not applicable	0%	1–25%	26–50%	51–75%	Over 75%	I don't know.	
a.	Content, curriculum, or pedagogy related to engineering design	(4)	®	0	Φ	(L)	(F)	©	VE638497
b.	Content, curriculum, or pedagogy related to technology or technological literacy	(9)	®	0	Θ	(Ð	6	VE638498
c.	Integrating information and communications technology into instruction	(8)	®	0	Φ	©	©	©	VE638504

VE638333

15. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

		None	A little	Some	A lot	I don't know.	
a.	Inventions that change the way people live	A	®	0	0	Œ	VE638336
b.	Choices people make that affect the environment	(A)	®	0	0	Œ	VE638338
c.	Conditions that influence the use or availability of machines or devices	®	®	0	0	Œ	VE638340
d.	The ways people work together to solve problems in their community or the world	®	®	0	0	©	VE677585

VE638350

16. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a.	Describe how inventions change society	®	®	0	0	©.	VE638354
b.	Compare how different activities affect the environment	(9)	®	0	0	(L)	VE638355
c.	Explain why people have different tools, machines, or devices in different parts of the world	0	•	0	Θ	Θ	VE638356

VE638372

17. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

		None	A little	Some	A lot	I don't know.	
a.	The use and purpose of tools, machines, or devices	®	®	0	0	Œ	VE638375
b.	The care or maintenance of tools, machines, or devices	(A)	®	0	0	Œ	VE638376
c.	Designing or creating something to solve a problem	(A)	®	0	0	Œ	VE638377
d.	Designing something when there is limited time, money, or materials	®	®	0	0	Œ	VE639184
e.	Figuring out how to fix something	(A)	®	0	0	Œ	VE677599
f.	Finding the right people to work with or get help from to fix something	®	®	0	0	Œ	VE677600

VE638380

18. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a.	Use tools and materials to fix something	®	®	0	Ф	Œ	VE677603
b.	Use different tools, materials, or machines to see which are best for a given purpose	(9)	®	0	Θ	(i)	VE638383
c.	Build or test a model to see if it solves a problem	(9)	®	0	0	(L)	VE638384
d.	Figure out why something is not working in order to fix it	(9)	®	0	0	(VE677604
e.	Take something apart in order to fix it or see how it works	(9)	®	0	0	Œ	VE638385
f.	Design a computer program	(4)	®	0	0	Œ	VE677605
g.	Examine how parts, processes, or people work together in a system	0	®	0	0	Œ	VE677606

VE638391

19. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

		None	A little	Some	A lot	I don't know.	
a.	How to judge reliability of sources	(A)	®	0	0	Œ	VE638396
b.	How to credit others for their ideas	(A)	®	0	0	Œ	VE638399
c.	How to collaborate or share information with others	(A)	®	0	0	Œ	VE677607
d.	How to consult with experts to get help	(A)	®	0	0	Œ	VE677609
e.	How to find information or data to solve a problem	(A)	®	0	0	Œ	VF239167
f.	Run simulations (a learning activity that imitates real life)	(A)	®	0	0	Œ	VE677608

VE638410

20. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

		Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a.	Use digital tools to gather and display information in order to test a hypothesis	0	®	0	Θ	(E)	VE638433
b.	Select and use appropriate digital technologies to create a presentation	0	®	0	0	(£)	VE638434
c.	Use a computer or other digital technology to simulate a system and explain different outcomes	0	®	0	0	©.	VE638428
d.	Give feedback to others when working together	(A)	®	0	0	Œ	VE638420

Appendix I-3r: Summary of Revisions Grades 4, 8, and 12 Giving Back

Grades 4, 8, and 12 Giving Back School

Items will be used at all grades unless otherwise specified.

Previous item	2018 item	D/A/ R/NC+	Rationale
 Would you like to receive information about how other school administrators in the nation responded to this questionnaire? Yes No (2017 Operational Grades 4, 8, 12 Giving Back-School) 	 Would you like access to an interactive website that shows how others in the nation responded to a similar NAEP questionnaire? Yes No Issue: n/a	R	The national- only assessments in 2018 do not lend themselves to the development of the Giving Back tool.
			However, school administrators will be given access to the 2017 tool; the language in the item was revised accordingly.
2. If yes, please provide your email address so that we may send access to the website when it is available in May. (2017 Operational Grades 4, 8, 12 Giving Back-School)	If yes, please provide your email address so that we may send access to the website. Issue: n/a	R	The national- only assessments in 2018 do not lend themselves to the development of the Giving Back tool.
			However, school administrators will be given access to the 2017 tool; the

	Grades 4, 8, and 12 Giving Back School		
	Items will be used at all grades unless otherwise specified.		
Previous item	2018 item	D/A/	Rationale
		R/NC+	
			language in the
			item was
			revised
			accordingly.

Appendix I-3s: 2018 Operational Grade 4, 8, and 12 Giving Back Items

- **1.** Would you like access to an interactive website that shows how others in the nation responded to a similar NAEP questionnaire?
 - Yes
 - No
- **2.** If yes, please provide your email address so that we may send access to the website.

Appendix I-3t: Summary of Revisions 2017-2018 NTPS Principal Questionnaire

*Note: This is the same table submitted to OMB by NTPS for their clearance under OMB #1850-0598 v.19

List of Updates to NTPS 2017-18 Questionnaires from March 2017 version to FINAL.

Questionnaire	Item	Update			
NTPS-2A	Front Cover	Endorsers were added;			
(Principal)		[Old]: "(ESRA, 20 U.S.C. § 9543)."			
		[New]: "(ESRA 2002, 20 U.S.C. §9543)."			
	Item 1-11				
		[New]: "2017-18"			
	Item 3-1				
		[New]: "toward"			
	Item 3-2	[Old]: "policies)"			
		[New]: "policies.)"			
	Items 4-2a, 4-2c, 4-3a, 4-3c	Added: '(apple icon) If none, please mark (X) the box.			
	Item 4-4	[Old]: "teamwide, gradewide, or schoolwide?"			
		[New]: "gradewide, teamwide, schoolwide, or districtwide?"'			
	Item 4-5	"Students DISTRICTWIDE" added to response option			
	Item 4-6;	Changed text to: 'Mark (X) one box on each line.'			
	Item 6-1a	Added "During the" to beginning of question stem			
	Item 6-1b	[Old]: "2015-16" [New]: "2017-18" [Old]: "for" [New]: "toward" [Old]: "policies)" [New]: "policies.)" Added: '(apple icon) If none, please mark (X) the box. [Old]: "teamwide, gradewide, or schoolwide?" [New]: "gradewide, teamwide, schoolwide, or districtwide?"' "Students DISTRICTWIDE" added to response option Changed text to: 'Mark (X) one box on each line.'			
		[Old]: "year,"			
	Item 6-2	Changed text to: 'Mark (X) one box on each line.'			
		[Old]: "in"			
		[New]: "on"			
	Item 7-1	[Old]: "this"			
		[New]: "THIS"			
	Item 7-2	Changed text to: 'Mark (X) one box on each line.'			
		[Old]: "in"			
		[New]: "on"			
	Item 7-4d	[Old]: "(e.g,"			
		[New]: "(e.g.,"			
		[Old]: "internet)"			
		[New]: "Internet)"			
	Item 8-1	Changed text to: 'Mark (X) one box on each line.'			
		[Old]: "in"			
		[New]: "on"			

Appendix I-3u: 2017-2018 NTPS Principal Questionnaire

Conducted by:
U.S. DEPARTMENT OF EDUCATION
NATIONAL CENTER FOR EDUCATION STATISTICS

OMB No. 1850-0598 Approval Expires 06/30/2020
Collected by:
U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

PRINCIPAL QUESTIONNAIRE NATIONAL TEACHER AND PRINCIPAL SURVEY 2017-18 SCHOOL YEAR



(Please correct any errors in name, address, and ZIP Code.)

THIS SURVEY HAS BEEN ENDORSED BY:

American Association of School Administrators
American Association of School Librarians
American Federation of Teachers
American Montessori Society
American School Counselors Association

Association for Middle Level Education (formerly National Middle School Association)
Association for Supervision and Curriculum Development Association of American Educators

Council of Chief State School Officers Council of the Great City Schools

National Association of Elementary School Principals
National Association of Secondary School Principals
National Parent Teacher Association

Please return your completed questionnaire in the pre-addressed, postage-paid envelope or mail it to:

U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001



The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct this survey by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543).

FORM **NTPS-2A** (07-05-2017)



- What is the average student-teacher ratio in the United States?
- What is the average salary of a beginning principal?
- Have teachers' views of their autonomy in the classroom changed over time?
- Have the characteristics of the principal and teacher workforces in the United States changed over time?

The answers to these questions help school districts and policy makers at the state, federal, and local levels set education policy and improve teacher and principal working conditions.

Since 1988, the National Teacher and Principal Survey and its precursor, the Schools and Staffing Survey, have provided the answers to these and other important education questions from the perspective of Principals and Teachers.

By selecting a statistically representative sample of schools, and teachers in those schools, we are able to provide representative data for the United States without going to every school.

Your school has been selected to participate in the 2017-18 National Teacher and Principal Survey. You will represent thousands of other principals, so it is important that you respond to this survey.

All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

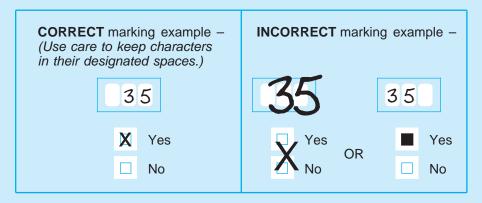
More information can be found on our website: http://nces.ed.gov/surveys/ntps

Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0598. The time required to complete this information collection is estimated to average 25 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or comments or concerns about the contents or the status of your individual submission of this questionnaire, please e-mail: ntps@census.gov, or write directly to: National Teacher and Principal Survey (NTPS), National Center for Education Statistics, Potomac Center Plaza, 550 12th Street, SW, Room 4014, Washington, DC 20202.

INSTRUCTIONS

The data you enter on this form will be captured through the use of imaging technology. Please print all information clearly in ordinary characters, using a **blue or black ballpoint pen**.



- **a.** It is important that this questionnaire be completed by the school PRINCIPAL, not by anyone else.
- **b.** Please do not write any comments by the answer boxes.
- **c.** If you are unsure about how to answer a question, please give the best answer you can rather than leaving it blank.
- **d.** If you have any questions, call the U.S. Census Bureau at 1-888-595-1338. Someone will be available to take your call Monday through Friday, between 8:00 a.m. and 8:00 p.m. (Eastern Time). The U.S. Census Bureau is also available to answer your questions via e-mail at: ntps@census.gov.

1. PR	INCIPAL EXPERIENCE AND TRAINING
1-1.	BEFORE you became a principal, how many years of elementary, middle, or secondary teaching experience did you have? • Count part of a year as 1 year. • If none, please mark (X) the box. None or Year(s) of teaching before becoming a principal
1-2.	BEFORE you became a principal, did you hold the position of an assistant principal or program director? Include temporary positions. Yes No
1-3.	BEFORE you became a principal, did you have any management experience outside of the field of education? Yes No
1-4.	BEFORE you became a principal, did you participate in any district or school training or development program for ASPIRING school principals? Yes No
1-5.	PRIOR to this school year, how many years did you serve as the principal of THIS OR ANY OTHER school? • Do NOT include any years you served as ASSISTANT principal. • Count part of a year as 1 year. • If none, please mark (X) the box. None or Year(s) as principal of this or any other school
1-6.	PRIOR to this school year, how many years did you serve as the principal of THIS school? Do NOT include any years you served as ASSISTANT principal. Count part of a year as 1 year. If none, please mark (X) the box. None or Year(s) as principal of this school

1-7.	What is the highest degree you have earned? • Mark (X) only one box.
	Associate's degree
	☐ Bachelor's degree (B.A., B.S., etc.)
	☐ Master's degree (M.A., M.A.T., M.B.A., M.Ed., M.S., etc.)
	Educational specialist or professional diploma (at least one year beyond master's level)
	Doctorate or first professional degree (Ph.D., Ed.D., M.D., L.L.B., J.D., D.D.S.)
	□ Do not have a degree → GO TO item 1-9 below.
1-8.	Which of the following best describes the highest degree you have earned? • Mark (X) only one box.
	It was awarded by your school's college of Education, school of Education, or department of Education
	☐ It was awarded by another college, school, or department, not in Education
1-9.	Do you currently hold a license or certification in "school administration"?
	□ Yes
	□ No
1-10.	WHILE serving as a principal, have you also regularly taught one or more classes at the elementary, middle, or secondary level? • Do not include time spent as a short-term substitute teacher.
_	Yes
	□ No → GO TO Section 2 on page 6.
\	
1-11.	While serving as a principal, how many YEARS did you regularly teach at the elementary, middle, or secondary level?
	 ♠ Count part of a year as 1 year. ♠ Include the 2017-18 school year in this count, if applicable. ♠ If none, please mark (X) the box.
	None → GO TO Section 2 on page 6.
↓	YEAR(S) of teaching since becoming a principal
↓ 1-12.	YEAR(S) of teaching since becoming a principal In addition to serving as principal, are you CURRENTLY teaching in THIS school? *Do not include time spent as a short-term substitute teacher.
1-12.	In addition to serving as principal, are you CURRENTLY teaching in THIS school?
1-12.	In addition to serving as principal, are you CURRENTLY teaching in THIS school? • Do not include time spent as a short-term substitute teacher.
1-12.	In addition to serving as principal, are you CURRENTLY teaching in THIS school? • Do not include time spent as a short-term substitute teacher. Yes

2. GOALS AND DECISION MAKING

- 2-1. We are interested in the importance you place on various educational goals. From the following ten goals, which do you consider the most important, the second most important, and the third most important? 1 - Building basic literacy skills (reading, math, writing, speaking) 2 - Encouraging academic excellence 3 - Preparing students for postsecondary education 4 - Promoting occupational or vocational skills 5 - Promoting good work habits and self-discipline 6 - Promoting personal growth (self-esteem, self-knowledge, etc.)7 - Promoting human relations skills

 - 8 Promoting specific moral values 9 - Promoting multicultural awareness or understanding
 - 10 Fostering religious or spiritual development

Most important
Second most important
Third most important

2-2. How much ACTUAL influence do you think you have as a principal on decisions concerning the following activities?

			★ Mark (X) one box on each line.					
		No influence	Minor influence	Moderate influence	Major influence	Not applicable		
a.	Setting performance standards for students of this school							
b.	Establishing curriculum at this school							
C.	Determining the content of in-service professional development programs for teachers of this school							
d.	Evaluating teachers of this school							
e.	Hiring new full-time teachers of this school							
f.	Setting discipline policy at this school							
g.	Deciding how your school budget will be spent							

3. SCHOOL CLIMATE AND SAFETY

3-1. To the best of your knowledge, how often do the following types of problems occur at this school?

riappone at at an		n each line.) one box o	Mark (X)		
b. Robbery or theft c. Vandalism d. Student use of alcohol e. Student use of illegal drugs f. Student possession of weapons g. Physical abuse of teachers h. Student racial tensions i. Student bullying j. Student verbal abuse of teachers k. Widespread disorder in classrooms l. Student acts of disrespect toward	Never happens	on	at least once	at least once		
c. Vandalism d. Student use of alcohol e. Student use of illegal drugs f. Student possession of weapons g. Physical abuse of teachers h. Student racial tensions i. Student bullying j. Student verbal abuse of teachers k. Widespread disorder in classrooms l. Student acts of disrespect toward					Physical conflicts among students	a.
d. Student use of alcohol					Robbery or theft	b.
e. Student use of illegal drugs					Vandalism	c.
f. Student possession of weapons g. Physical abuse of teachers h. Student racial tensions i. Student bullying j. Student verbal abuse of teachers k. Widespread disorder in classrooms l. Student acts of disrespect toward					Student use of alcohol	d.
g. Physical abuse of teachers					Student use of illegal drugs	e.
h. Student racial tensions i. Student bullying j. Student verbal abuse of teachers k. Widespread disorder in classrooms l. Student acts of disrespect toward					Student possession of weapons	f.
i. Student bullying					Physical abuse of teachers	g.
j. Student verbal abuse of teachers					Student racial tensions	h.
k. Widespread disorder in classrooms					Student bullying	i.
I. Student acts of disrespect toward					Student verbal abuse of teachers	j.
					Widespread disorder in classrooms	k.
m. Gang activities					Gang activities	m.

3-2.	LAST school year (2016-17), what percentage of students had at least one parent or guardian participating in the following events?						
			♠ Mark (X) one box on each line.				
			0-25%	26-50%	51-75%	76-100%	Not applicable
	a.	Open house or back-to-school night					
	b.	All regularly scheduled schoolwide parent-teacher conferences					
	C.	Special subject-area events (e.g., science fair, concerts)					
	d.	Parent education workshops or courses					
	e.	Signing of a school-parent compact (A school-parent compact is an agreement between school community members [e.g., parents, principals, teachers, and students] that acknowledges the shared responsibility for student learning and/or the school's policies.)					
	f.	Volunteer in the school as needed or on a regular basis					
	g.	Involvement in school instructional issues (e.g., planning classroom learning activities, providing feedback on curriculum)					
	h.	Involvement in governance (e.g., PTA or PTO meetings, school board, parent booster clubs)					
	i.	Involvement in budget decisions					
3-3.	Ar	e teachers at this school REQUIRED to de	o the follow	wing?			
		Help students with academic needs OUT Yes No					
	b.	Help students with social and emotiona Yes No	l needs OU	JTSIDE of r	egular sch	ool hours	
3-4.	Are BEGINNING teachers at this school enrolled in a formal schoolwide or districtwide program aimed to enhance teachers' effectiveness by providing systematic support (sometimes called a teacher induction program)?			le			
	(A	beginning teacher refers to a teacher who is	s in the firs	t or second	year of tea	ching.)	
		Yes					
		No					

4. TEACHER EVALUATION

4-1.	Du tea	ring the LAST school year (2016-17), which of the following sources of information on cher performance did THIS school use in teacher evaluations?
	a.	Classroom observations using a teacher professional practice rubric, conducted by the principal or other school administrator
		□ Yes
		□ No
	b.	Assessments by the principal or other school administrator that are NOT based on a teacher professional practice rubric
		□ Yes
		□ No
	c.	Videotaped classroom observation
		□ Yes
		□ No
	d.	Assessments by a peer or mentor teacher that are NOT based on a teacher professional practice rubric
		□ Yes
		□ No
	e.	Teacher self-assessment
		Yes
		□ No
	f.	Amount or content of professional development completed by the teacher
		Yes
		□ No
	g.	Artifacts of teacher professional practice or portfolios
		□ Yes
		□ No
	h.	Student surveys or other student feedback
		Yes
		□ No

4-1.	Co inf	entinued – During the LAST school year (2016-17), which of the following sources of ormation on teacher performance did THIS school use in teacher evaluations?
	i.	Parent surveys or other parent feedback
		Yes
		□ No
	j.	Teacher professional credentials including experience, education, and certification
		☐ Yes
		□ No
4-2.	a.	For a TENURED or EXPERIENCED teacher, on average, how many FORMAL observations were conducted during the LAST school year (2016-17) to evaluate performance?
		(A <u>formal observation</u> is one that is required by the school, district, or state in order to collect information for a performance evaluation.)
		★ If none, please mark (X) the box.
		□ None or Number of observations
		GO TO item 4-2c below.
	b.	For a TENURED or EXPERIENCED teacher, on average, how long is the typical FORMAL
		observation?
		Average surplies of minutes
		Average number of minutes
	C.	For a TENURED or EXPERIENCED teacher, on average, how many INFORMAL
	•	observations were conducted during the LAST school year (2016-17)?
		♠ If none, please mark (X) the box.
		□ None or Number of observations
		GO TO item 4-2e on page 11.
	d.	For a TENURED or EXPERIENCED teacher, on average, how long is the typical INFORMAL observation?
		Average number of minutes

	Continued – On average, how often do TENURED or EXPERIENCED teachers receive a summative evaluation? (A summative evaluation is a SUMMATIVE judgment about performance that is used for some administrative purposes and becomes a part of the record of a teacher's performance.) Mark (X) only one box. Two or more times a year Once a year Once every 2 years Once every 3 or more years No evaluations are conducted
	observations were conducted during the LAST school year (2016-17) to evaluate performance? (A formal observation is one that is required by the school, district, or state in order to collect information for a performance evaluation.) If none, please mark (X) the box. None or Number of observations GO TO item 4-3c below. Average number of minutes
C	For a NON-TENURED or INEXPERIENCED teacher, on average, how many INFORMAL observations were conducted during the LAST school year (2016-17)? If none, please mark (X) the box. None or Number of observations GO TO item 4-3e on page 12.
d	I. For a NON-TENURED or INEXPERIENCED teacher, on average, how long is the typical INFORMAL observation? Average number of minutes

4-3.	Cor	ntinued —		
	e.	On average, how often do NON-TENURED or INEXPERIENCED teachers receive a summative evaluation?		
		(A <u>summative evaluation</u> is a SUMMATIVE judgment about performance that is used for some administrative purposes and becomes a part of the record of a teacher's performance.)		
		Mark (X) only one box.		
		Two or more times a year		
		Once a year		
		Once every 2 years		
		Once every 3 or more years		
		□ No evaluations are conducted		
4-4.	ass in t	ring THIS school year (2017-18), is student achievement growth on standardized essments or student learning objectives used in the performance evaluation of teachers his school, whether it be within a classroom, gradewide, teamwide, schoolwide, or trictwide?		
	(<u>Stu</u> poir	udent achievement growth is the change in individual student achievement between two or more into in time.)		
		andardized assessments are assessments consistently administered and scored districtwide or ewide for all students in the same grades and subjects.)		
		udent learning objectives (SLOs) are measurable learning goals or objectives established for dents, which can be used to measure student growth over a set period of time.)		
	Mark (X) only one box.			
	Student achievement growth on standardized assessments or student learning objectives is used in the evaluation of:			
		ALL teachers in this school, including all grades, all subjects, special education, and special populations		
		MOST teachers in this school		
		SOME teachers in this school		
		NO teachers in this school → GO TO item 4-6 on page 13.		
4-5.		e teachers in this school are evaluated on the achievement growth of: Mark (X) all that apply.		
		Students they teach DIRECTLY		
		Students GRADEWIDE		
		Students TEAMWIDE		
		Students SCHOOLWIDE		
		Students DISTRICTWIDE		



4-6.	-6. During THIS school year (2017-18), to what extent will teachers' performance results be used to inform the following decisions about teacher professional				
			🍎 Mark (X	() one box on	each line.
			Not at all	Somewhat	A lot
	a.	Plan professional development for individual teachers			
		Identify low-performing teachers for coaching, mentoring, or peer assistance			
		Develop performance improvement plans for low-performing teachers			
		Set goals with teachers for student achievement growth for the next school year			
4-7.	info	ring THIS school year (2017-18), will teacher performance orm any of the following decisions about teachers in THIS	evaluation r school?	esults be us	ed to
	a.	Formally recognizing high-performing teachers			
		Yes			
		□ No			
	b.	Determining annual salary increases			
		Yes			
		□ No			
	c.	Determining bonuses or performance-based compensation	on other tha	n salary incr	eases
		Yes			
		□ No			
	d.	Determining teaching assignments			
		Yes			
		□ No			
	e.	Offering career advancement opportunities, such as teac	her leadersh	nip roles	
		Yes			
		□ No			
	f.	Granting job protection or tenure			
		Yes			
		□ No			

4-8.	Dur	ing THIS school year (2017-18), will teacher performance evaluation results be used to
		orm any of the following decisions about LOW-PERFORMING teachers in THIS school? Losing job protection or tenure
	۵.	☐ Yes
		□ No
	b.	Prioritizing teachers for layoffs
		Yes
		□ No
	C.	Determining teacher reassignment
		Yes
		□ No
	d.	Counseling a teacher out of the school, district, or profession due to poor performance
		Yes
		□ No
	e.	Not renewing teacher contract or terminating employment for cause
		Yes
		□ No

5. TEACHER PROFESSIONAL DEVELOPMENT

5-1.		what extent do you agree or disagree with the evelopment for TEACHERS in this school?	e following s	statements a	bout profess	sional
			🍅 N	Mark (X) one	box on each	line.
			Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree
	a.	An appropriate amount of time is provided for professional development				
	b.	Sufficient resources are available for professional development in this school				
	c.	Professional development offerings are based on best practices				
	d.	Professional development opportunities are aligned with the school's improvement plan				
	e.	Professional development is directly applicable to the content or curriculum being taught				

5-2.	In the past 12 months, professional	development w	as available to	TEACHERS a	t THIS
	school:	_			

Ť	Mark	(X)	all	that	an	nlv	/

	Be	fore	or	after	school	day	S
--	----	------	----	-------	--------	-----	---

g. Professional development enhances teachers' abilities to improve student learning

f. Professional development provides ongoing opportunities for teachers to refine instructional strategies

	During in-service day	s (teacher	planning o	r work days	s) when	students :	are NO	Γ in schoo
--	-----------------------	------------	------------	-------------	---------	------------	--------	------------

ı	During	regular	school (days v	when	stud	lents	are	in sc	hool

	During	summer	and oth	er extend	led sc	hool	breaks
--	--------	--------	---------	-----------	--------	------	--------

5-3.	a.	How often is teachers' input taken into consideration when planning professional development at THIS school?
		Mark (X) only one box.
		Never
		Sometimes
		☐ Always
	b.	How often is professional development for teachers at THIS school led by teachers in this SCHOOL or DISTRICT?
		★ Mark (X) only one box.
		□ Never
		Sometimes
		☐ Always
	C.	How often is professional development for teachers at THIS school evaluated for evidence of improvement in SCHOOLWIDE or DISTRICTWIDE achievement? • Mark (X) only one box.
		Never
		Sometimes
		Always

Yes	LAST school year (2016-17), were you	u evaluated	as a principa	ai at ihis sc	nooi?
□ No →	b. During the LAST school year (2 THIS school?	016-17), why	were you n	ot evaluated	at
	Mark (X) only one box.				
	☐ I was not a principal at this s	school last ye	ear.		
	☐ This district does not conduc	ct principal ev	/aluations.		
	☐ This district does not conduc	ct principal ev	aluations on	a yearly basis	s.
	☐ I was not evaluated because	e I am a tenu	red or experie	enced principa	al.
	☐ I was not evaluated for anot	her reason.			
	GO TO item 6-4 on page 18.				
	tent do you agree or disagree with th process LAST school year (2016-17)?		statements a Mark (X) one Somewhat	box on each	line.
evaluation	process LAST school year (2016-17)?	•	Mark (X) one	box on each	line. Stror
evaluation a. The eva		Strongly	Mark (X) one Somewhat	box on each Somewhat	line. Stror
a. The eva	process LAST school year (2016-17)?	Strongly Disagree	Mark (X) one Somewhat	box on each Somewhat Agree	line. Stror
a. The eva	process LAST school year (2016-17)? luator(s) accurately evaluated my as and weaknesses as a principal.	Strongly Disagree	Mark (X) one Somewhat Disagree	box on each Somewhat Agree	line. Stroi
a. The evastrength b. My eval c. Overall, d. I had a	process LAST school year (2016-17)? luator(s) accurately evaluated my as and weaknesses as a principal. uator(s) was fair and unbiased.	Strongly Disagree	Mark (X) one Somewhat Disagree	box on each Somewhat Agree	
 a. The evastrength b. My eval c. Overall, d. I had a be eval e. I had a 	process LAST school year (2016-17)? luator(s) accurately evaluated my as and weaknesses as a principal. uator(s) was fair and unbiased. the evaluation process was fair. strong understanding of how I would	Strongly Disagree	Mark (X) one Somewhat Disagree	Somewhat Agree	line. Stror

6-3.	 a. Thinking about your evaluation LAST school year (2016-17), did you receive any feedback on your work as a principal? Yes No → GO TO item 6-4 below. b. Thinking about your evaluation LAST school year (2016-17), have you used the feedback
	you received to try to improve YOUR performance? Yes No
	 c. Thinking about your evaluation LAST school year (2016-17), did you receive feedback on the processes or procedures you used to achieve THIS SCHOOL'S performance goals? Yes No
6-4.	During THIS school year (2017-18), is student achievement growth on standardized assessments used in your performance evaluation? (Student achievement growth is the change in individual student achievement between two or more points in time.) (Standardized assessments are assessments consistently administered and scored districtwide or statewide for all students in the same grades and subjects.) Yes No

FORM NTPS-2A



7. PRI	INCII	PAL PROFESSIONAL DEVELOPMENT			
7-1.	activ	ng the LAST school year (2016-17), did you participate in ities as a principal at THIS school? Yes No → GO TO Section 8 on page 22.	any profes	sional devel	opment
7-2 .		ng the LAST school year (2016-17), how often were the p	rofessional	developmen	nt
			🍎 Mark (2	X) one box or	each line.
			Never	Sometimes	Always
		esigned to support state or district standards nd/or assessments?			
		esigned as part of a school improvement plan to eet state, district, or school goals?			
7-3.		ng the LAST school year (2016-17), was participation in pidered as part of your evaluation?	orofessiona	l developme	nt
		Yes			
		No			
7-4.		ng the LAST school year (2016-17), have you participated	l in the follo	owing kinds	of
	a. L	Iniversity course(s) related to your role as principal			
		Yes			
		No			
	b. V	isits to other schools designed to improve your own wo	rk as princ	ipal	
		Yes			
	I	No			
	c. N	Mentoring and/or peer observation and coaching of princi	ipals		
		Yes			
		No			
		Participating in a principal network (e.g., a group of principal systems, by an outside agency, or through the Internet)	ipals organ	ized within s	chool
	I	Yes			
		No			

7-4.	Cor kin	ntinued – During the LAST school year (2016-17), have you participated in the following ds of professional development?
	e.	Workshops, conferences, or training in which you were a presenter
		□ Yes
		□ No
	f.	Other workshops or conferences in which you were not a presenter
		Yes
		□ No
7-5.	Dui	ring the LAST school year (2016-17), did you participate in professional development on of the following topics?
	a.	Analyzing and interpreting student achievement data
		□ Yes
		□ No
	b.	Human resource management
		Yes
		□ No
	c.	Student motivation and engagement
		□ Yes
		□ No
	Ч	Use of technology to support instruction
	ч.	☐ Yes
		□ No
		□ NO
	e.	School management and policy
		□ Yes
		□ No
	f.	School improvement planning
		□ Yes
		□ No

7-5.	Cor dev	ntinued – During the LAST school year (2016-17), did you participate in professional relopment on any of the following topics?
	g.	Social services for students
		□ Yes
		□ No
		LI INO
	h.	Safety or school climate
		Yes
		□ No
	i.	Supporting effective instruction
		Yes
		□ No

8. PRINCIPAL ENGAGEMENT

8-1. To what extent do you agree or disagree with the following statements?

		₾ <i>N</i>	1ark (X) one i	box on each l	line.
		Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree
a.	The stress and disappointments involved with being a principal at this school aren't really worth it.				
b.	I am generally satisfied with being principal at this school.				
C.	If I could get a higher paying job I'd leave this job as soon as possible.				
d.	I think about transferring to another school.				
e.	I don't seem to have as much enthusiasm now as I did when I began this job.				
f.	I think about staying home from school because I'm just too tired to go.				

9. PR	INCIPAL DEMOGRAPHIC INFORMATION
9-1.	Are you male or female? Male
	☐ Female
9-2.	Are you of Hispanic or Latino origin?
	□ Yes
9-3.	What is your race?
9-3.	Mark (X) one or more races to indicate what you consider yourself to be.
	White
	☐ Black or African-American ☐ Asian
	□ Native Hawaiian or Other Pacific Islander
	American Indian or Alaska Native
9-4.	What is your year of birth?
9-5.	What is your current ANNUAL salary for your position in this school before taxes and deductions? If your position includes multiple duties (e.g., you teach a class and serve as principal at this school), please include your entire salary before taxes and deductions. Please report in whole dollars. per year

10. SCHOOL LEADERSHIP AND RESOURCES

Your responses to this section of questions will help researchers and policymakers make international comparisons to principals in other countries.

10-1. Please indicate how frequently you engaged in the following activities in this school during the last 12 months.

	i last 12 months.	★ Mark (X) one box on each line.					
		Never or Rarely	Sometimes	Often	Very Often		
a.	I collaborated with teachers to solve classroom discipline problems.						
b.	I observed instruction in the classroom.						
c.	I provided feedback to teachers based on my observations.						
d.	I took actions to support cooperation among teachers to develop new teaching practices.						
e.	I took actions to ensure that teachers take responsibility for improving their teaching skills.						
f.	I took action to ensure that teachers feel responsible for their students' learning outcomes.						
g.	I provided parents or guardians with information on the school and student performance.						
h.	I reviewed school administrative procedures and reports.						
i.	I resolved problems with the lesson timetable in this school.						
j.	I collaborated with principals from other schools on challenging work tasks.						
k.	I worked on a professional development plan for this school.						
l.	I used student results to develop the school's education goals.						

10-2. T	To what extent do the following limit your effectiveness as a principal in this school?					
		★ Mark (X) one box on each line.				
		Never or Rarely	Sometimes	Often	Very Often	
а	. Inadequate school budget and resources					
k	. Government regulation and policy					
C	. Teachers' absences					
C	Lack of parent or guardian involvement and support					
ε	Teachers' career-based wage system (A <u>career-based wage system</u> is used when an employee's salary is determined mainly by his or her educational level and age or seniority rather than by his or her performance on the job.)					

f. Lack of opportunities and support for

my own professional development

g. Lack of opportunities and support for teachers' professional development

in my job

staff members

some subject areas

k. Other, please specify

h. High workload and level of responsibilities

i. Lack of shared leadership with other school

j. Difficulty to recruit qualified teachers in

10-3. To what extent is this school's capacity to provide quality instruction currently hindered by any of the following issues? Mark (X) one box on each line. Not at Verv To some A lot all little extent a. Shortage of qualified teachers b. Shortage of teachers with competence in teaching students with special needs c. Shortage of vocational teachers d. Shortage or inadequacy of instructional materials (e.g., textbooks) e. Shortage or inadequacy of digital technology for instruction (e.g., computers, tablets, iPads) f. Insufficient Internet access g. Shortage or inadequacy of digital software for instruction h. Shortage or inadequacy of library materials i. Shortage of support personnel j. Shortage or inadequacy of instructional space (e.g., classrooms) k. Shortage or inadequacy of classroom furniture for students (e.g., desks, chairs, materials storage) I. Shortage or inadequacy of physical infrastructure (e.g., school buildings, heating/cooling, and lighting) 10-4. For how many years do you want to continue to be a principal? • Count part of a year as 1 year. • If none, please mark (X) the box. None or Years

11. CONTACT INFORMATION

nu in ma	ease PRINT your name, your home address, you mbers, and your work and home e-mail address the event that we need to contact you for follow by be used only for statistical purposes and may m for any other purpose except as required by	ses. This information would only be v-up. All of the information you prov y not be disclosed, or used, in ident
a.	First name	
	Middle name	
	Last name	Suffix
b.	Street address	
C.	City	
d.	State	
	ZIP Code	
e.	ZIF Code	
f.	Work phone number	
	Area code Number	
g.	Cell phone number Area code Number	
	000-000-0000	
h.	Home phone number	
	Area code Number	
i.	Work e-mail address	
j.	Home e-mail address	

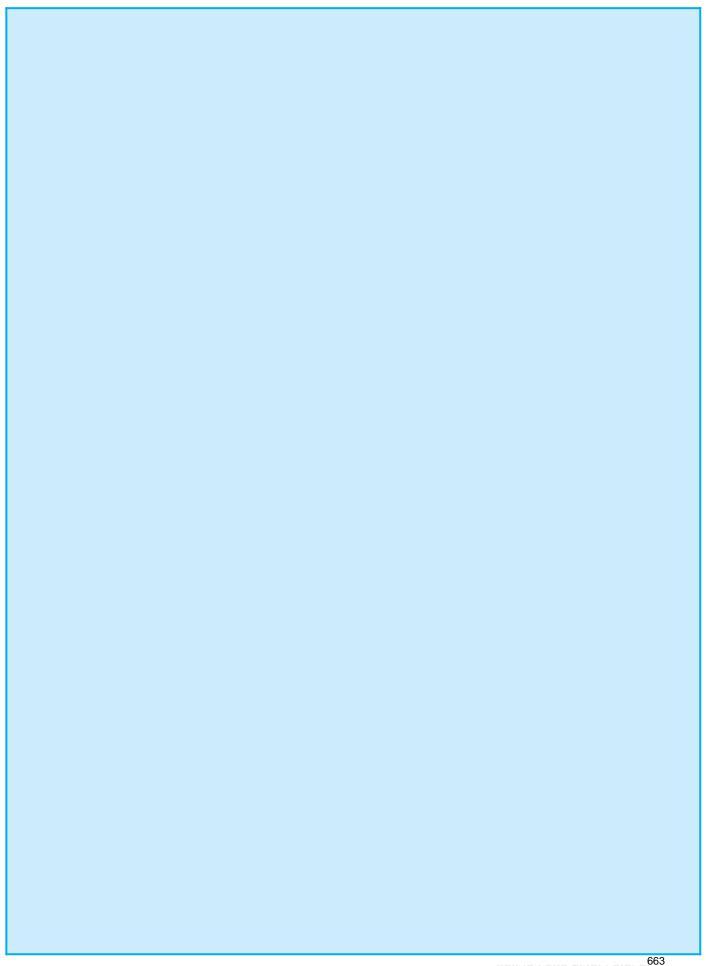
11-2.	 Please enter the date you completed this questionnaire. Report month as a number, that is, 01 for January, 02 for February, etc. 					
	Month	Day	Year			
			201			
11-3.	Please indi	cate how mucl cord the time in	h time it took you to complete this form, not counting interruptions. In minutes, e.g., 50 minutes, 65 minutes, etc.			
		Minutes				

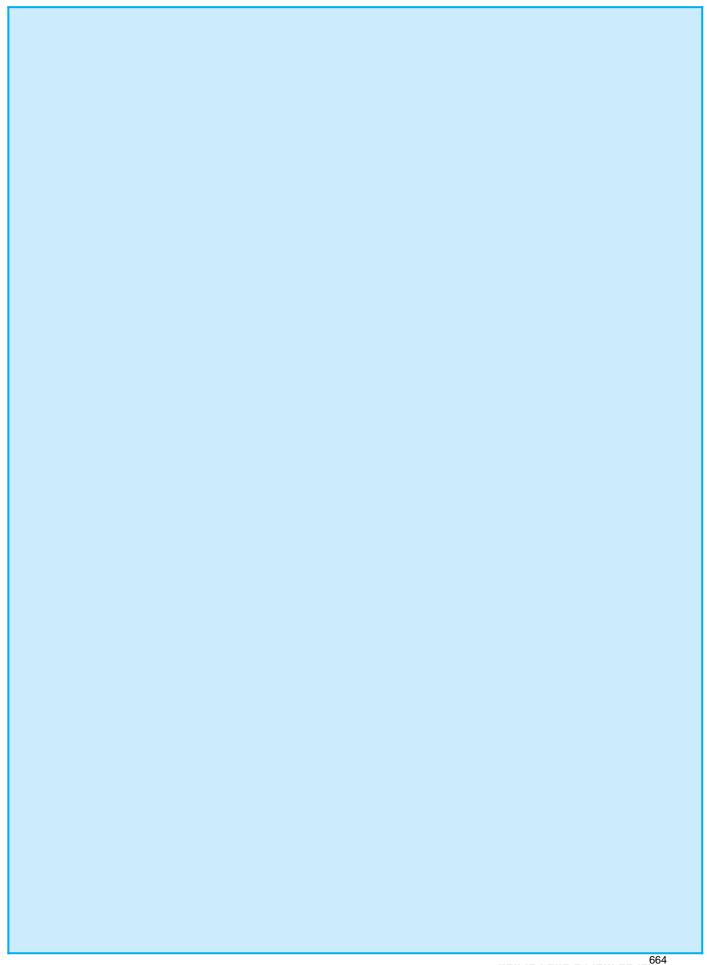
Thank you very much for your participation in this survey. If you have <u>any</u> questions, please contact us, toll-free, at: 1-888-595-1338 or by e-mail at: ntps@census.gov.

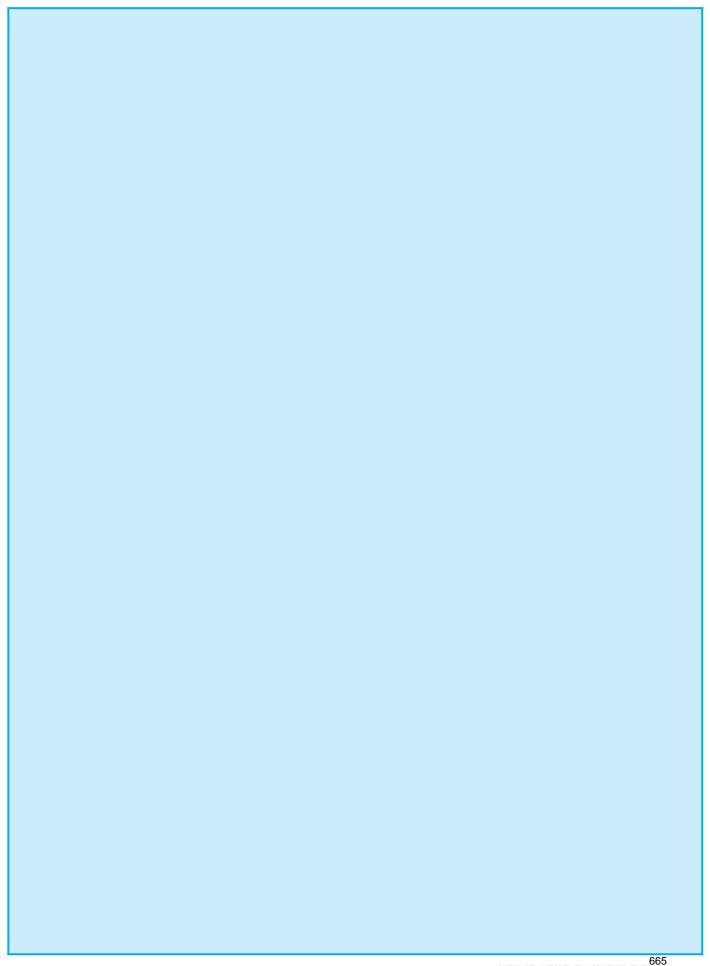
Please return your completed questionnaire in the enclosed pre-addressed, postage-paid envelope or mail it to:

U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001











To learn more about this survey and to access reports from earlier collections, see the National Teacher and Principal Survey (NTPS) website at: http://nces.ed.gov/surveys/ntps

Additional data collected by the National Center for Education Statistics (NCES) on a variety of topics in elementary, secondary, postsecondary, and international education are available from NCES' website at:

http://nces.ed.gov

For additional data collected by various Federal agencies, including the Department of Education, visit the Federal Statistics clearinghouse at:

http://fedstats.sites.usa.gov



Appendix I-3v: Summary of Revisions 2017-2018 NTPS School Questionnaire

*Note: This is the same table submitted to OMB by NTPS for their clearance under OMB #1850-0598 v.19

List of Updates to NTPS 2017-18 Questionnaires from March 2017 version to FINAL.

Questionnaire	Item	Update
NTPS-3A	Front Cover	Endorsers were added;
(School)		[Old]: "(ESRA, 20 U.S.C. § 9543)."
		[New]: "(ESRA 2002, 20 U.S.C. §9543)."
	item 1-2;	[Old]: "October,"
	item 1-10	[New]: "October 2017,"
	item 5-3a	
	item 5-6b	
	item 5-6c	
	item 5-7	
	item 5-10	
	Item 1-15a	[Old]: "mixed ability"
		[New]: "mixed-ability"
	Item 1-15b	[Old]: "dual language"
		[New]: "dual-language"
	item 2-2	[Old]: "MOST"
		[New]: "THIRD GRADE"
	Item 2-3	[Old]: "[ESL)"
		[New]: "[ESL])"
	item 3-1b;	[Old]: "(i.e.,"
	item 3-1d;	[New]: "(i.e."
	item 3-2a	
	item 5-2a	1 st bullet, changed '1-6' to '1-7'
		[Old]: "1-6,"
		[New]: "1-7,"
	item 5-6a	[Old]: "5-7a"
		[New]: "5-7"
	item 5-6e	[Old]: "FRPL-eligible students.Under"
		[New]: "NSLP-eligible students. Under"

Appendix I-3w: 2017-2018 NTPS School Questionnaire

Conducted by:
U.S. DEPARTMENT OF EDUCATION
NATIONAL CENTER FOR EDUCATION STATISTICS

OMB No. 1850-0598 Approval Expires 06/30/2020
Collected by:
U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

SCHOOL QUESTIONNAIRE NATIONAL TEACHER AND PRINCIPAL SURVEY 2017-18 SCHOOL YEAR



(Please correct any errors in name, address, and ZIP Code.)

THIS SURVEY HAS BEEN ENDORSED BY:

American Association of School Administrators
American Association of School Librarians
American Federation of Teachers
American Montessori Society
American School Counselors Association

Association for Middle Level Education (formerly National Middle School Association)
Association for Supervision and Curriculum Development Association of American Educators

Council of Chief State School Officers

Council of the Great City Schools National Association of Elementary School Principals National Association of Secondary School Principals National Parent Teacher Association

Please return your completed questionnaire in the pre-addressed, postage-paid envelope or mail it to:

U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001



The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct this survey by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543).

FORM **NTPS-3A** (07-05-2017)



- What is the average student-teacher ratio in the United States?
- What is the average salary of a beginning principal?
- Have teachers' views of their autonomy in the classroom changed over time?
- Have the characteristics of the principal and teacher workforces in the United States changed over time?

The answers to these questions help school districts and policy makers at the state, federal, and local levels set education policy and improve teacher and principal working conditions.

Since 1988, the National Teacher and Principal Survey and its precursor, the Schools and Staffing Survey, have provided the answers to these and other important education questions from the perspective of Principals and Teachers.

By selecting a statistically representative sample of schools, and teachers in those schools, we are able to provide representative data for the United States without going to every school.

Your school has been selected to participate in the 2017-18 National Teacher and Principal Survey. You will represent thousands of other schools, so it is important that you respond to this survey.

All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

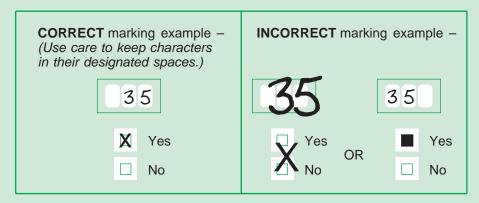
More information can be found on our website: http://nces.ed.gov/surveys/ntps

Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0598. The time required to complete this information collection is estimated to average 13 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or comments or concerns about the contents or the status of your individual submission of this questionnaire, please e-mail: ntps@census.gov, or write directly to: National Teacher and Principal Survey (NTPS), National Center for Education Statistics, Potomac Center Plaza, 550 12th Street, SW, Room 4014, Washington, DC 20202.

INSTRUCTIONS

The data you enter on this form will be captured through the use of imaging technology. Please print all information clearly in ordinary characters, using a blue or black ballpoint pen.



- a. This questionnaire may be completed by any staff member who has access to the school's records.
- **b.** Please do not write any comments by the answer boxes.
- c. If you are unsure about how to answer a question, please give the best answer you can rather than leaving it blank.
- d. If you have any questions, call the U.S. Census Bureau at 1-888-595-1338. Someone will be available to take your call Monday through Friday, between 8:00 a.m. and 8:00 p.m. (Eastern Time). The U.S. Census Bureau is also available to answer your questions via e-mail at: https@census.gov.

3

1. GENERAL INFORMATION ABOUT THIS SCHOOL

Please mark (X) Yes o			wing gra		vel.	1	
Prekindergarten			Yes		No		
Kindergarten			Yes		No		
1st			Yes		No		
2nd			Yes		No		
3rd			Yes		No		
4th			Yes		No		
5th			Yes		No		
6th			Yes		No		
7th			Yes		No		
8th			Yes		No		
9th			Yes		No		
10th			Yes		No		
11th			Yes		No		
12th			Yes		No		
Ungraded			Yes		No		
of October 2017, how m	s 17.	y stu	what is	the Av	rolled i	It education students, aro in this school? Daily Attendance (ADA) p	

1-4.	 What is the official start and end time for MOST students at this school? If the start and end times vary by day, record the start and end time for the longest day of the week. Do not include prekindergarten or transitional first grade programs. 							
	Start time a.m. p.m. End time a.m. p.m.							
1-5.	How many days are in a TYPICAL SCHOOL WEEK for students in this school? • Do not include prekindergarten, kindergarten, or transitional first grade programs. Days per SCHOOL WEEK							
1-6.	How many days are in the SCHOOL YEAR for students in this school? Days per SCHOOL YEAR							
1-7.	which of the following best describes this school? Mark (X) only one box. REGULAR school − elementary or secondary SPECIAL PROGRAM EMPHASIS school − such as a science or math school, performing arts school, talented or gifted school, foreign language immersion school, etc. SPECIAL EDUCATION school − primarily serves students with disabilities CAREER/TECHNICAL/VOCATIONAL school − primarily serves students being trained for occupations ALTERNATIVE/OTHER school − offers a curriculum designed to provide alternative or nontraditional education, does not specifically fall into the categories of regular, special program emphasis, special education, or vocational school − Please describe. Please describe.							

1-8.	Is this school a public CHARTER school?							
	(A <u>charter school</u> is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school or it may previously have been a public or private school.)							
_	Yes							
	□ No → GO TO item 1-10 below.							
1-9.	Which of the following best describes the governance structure of this public charter school? Mark (X) only one box.							
	☐ An independent or stand-alone charter school							
	Part of a non-profit charter management organization or network of schools that are managed by a central agency							
	Part of a for-profit charter management organization or network of schools that are managed by a central agency							
	Part of a traditional public school district							
	☐ Other – Please describe. →							
4.40								
1-10.	Around the first of October 2017, how many TEACHERS held full-time or part-time positions or assignments in this school?							
	 INCLUDE these types of teachers: Regular classroom teachers Special area or resource teachers (e.g., special education, Title I, art, music, physical education) Long-term substitute teachers 							
	 INCLUDE as part-time teachers: Itinerant teachers who teach part-time at this school or teachers who are shared with other schools Employees reported in other items of this section if they also have a part-time teaching 							
	assignment at this school • DO NOT INCLUDE:							
	 Student teachers Short-term substitute teachers Teachers who teach ONLY prekindergarten or adult education 							
	★ If none, please mark (X) the box.							
	a. Full-time							
	□ None or Full-time teachers							
	b. Part-time							
	□ None or Part-time teachers							
	c. TOTAL number of full- and part-time teachers							
	Total teachers							

1-11a.	Does this school currently have any students enrolled in kindergarten? • Please include regular kindergarten as well as transitional (or readiness) kindergarten and transitional first (or pre-first) grade students, if enrolled.
_	□ Yes
\downarrow	□ No → GO TO item 1-12 below.
b.	How long is the school day for a kindergarten, transitional kindergarten, or transitional first grade student?
	♠ Mark (X) only one box.
	☐ Full day (4 hours or more per day)
	☐ Half day (less than 4 hours per day)
	☐ Both full-day and half-day programs are offered
C.	How many days are in a TYPICAL SCHOOL WEEK for kindergarten, transitional kindergarten, or transitional first grade students in this school? • If the number of days per week varies, record the most days that a student would attend in a
	week.
	Days per SCHOOL WEEK
1-12.	Does this school have a library media center?
	(A <u>library media center</u> is an organized collection of printed and/or audiovisual and/or computer resources which is administered as a unit, is located in a designated place or places, and makes resources and services available to students, teachers, and administrators. A library media center may be called a school library, media center, resource center, information center, instructional materials center, learning resource center, or any other similar name.)
	□ Yes
	□ No
	LI NO

1-13a.	Does this school offer any courses that are taught entirely online?
_	Yes
	□ No → GO TO item 1-14a below.
+	
b.	Among all the courses you offer at this school, about how many of the courses are entirely online?
	Mark (X) only one box.
	One or a few courses
	Some courses but less than half
	About half
	☐ A majority
	☐ All courses
1-14a.	Does this school have a magnet program?
	(A <u>magnet program</u> offers enhancements such as special curricular themes or methods of instruction to attract students from outside their normal attendance area.)
_	Yes
	$\square No \rightarrow \boxed{GO \; TO \; item \; 1-15 \; on \; page \; 9.}$
+	
b.	Is this a school-wide magnet program in which all students in this school participate in the program?
	Yes
	□ No
•	Is the magnet program focused on?
C.	• Mark (X) for all that apply.
	☐ Science, Technology, Engineering, or Math
	☐ Performing Arts
	☐ Education for gifted or talented students
	☐ Foreign language immersion
	Other



1-15.	Doe	s this school offer the following?
	a.	Different instructional approaches (e.g., mixed-ability grouping, self-paced instruction, ungraded classrooms, etc.)
		☐ Yes
		□ No
	b.	A dual-language or foreign language immersion program (A program in which the goal of instruction is that students are proficient in two languages)
		७ Do not include English as a Second Language (ESL) programs or classes.
		Yes
		□ No
	c.	Distance learning course(s) (Taught primarily via Internet, e-mail, satellite, or television)
		□ Yes
		□ No
1-16.	Λ κο	the following before cobool or ofter cobool programs or convices currently evallable
1-10.	for s	the following before-school or after-school programs or services currently available students in any of grades K-12, or comparable ungraded levels, regardless of funding ree at this school?
	a.	A program or service providing instruction beyond the normal school day for students
	a.	who NEED academic ASSISTANCE
		Yes
		□ No
	b.	A program or service providing instruction beyond the normal school day for students
		who SEEK academic ADVANCEMENT or ENRICHMENT
		Yes
		□ No
	c.	Extended-day care
		Yes
		□ No
	d.	School-related activities and clubs (e.g., yearbook club, school dance committee, etc.)
		□ Yes
		□ No

2. INS	STRUCTIONAL TIME
2-1.	Does this school have students enrolled in the THIRD GRADE? Yes No → GO TO item 2-4 on page 12.
2-2.	What is the official start and end time for THIRD GRADE students at this school? If the start and end times vary by day, record the start and end time for the longest day of the week. Start time End time a.m. p.m.
2-3.	During a TYPICAL SCHOOL WEEK, approximately how many minutes per day do most THIRD GRADE students spend on the following activities at this school? If your school has 2 or more third grade classes, calculate the average minutes per day for all third grade classes. If most third grade students have courses taught on a rotational schedule, calculate typical course time based on the following example: For a course taught 60 minutes per day for half the year, respond with 30 minutes per day. a. English, reading, language arts (including reading and writing) Minutes per day Days per week None or for
	b. Arithmetic or mathematics Minutes per day Days per week None or for
	C. Social studies or history Minutes per day Days per week None or for
	d. Science Minutes per day Days per week None or for

2-3.	Coi do	ntinued – During a TYPICAL SCHOOL WEEK, approximately how many minutes per day most THIRD GRADE students spend on the following activities at this school?
		f your school has 2 or more third grade classes, calculate the average minutes per day for
		all third grade classes.
		f most third grade students have courses taught on a rotational schedule, calculate typical course time based on the following example: For a course taught 60 minutes per day for
		nalf the year, respond with 30 minutes per day.
		Foreign language (Not English as a Second Language [ESL])
		Minutes per day Days per week
		□ None or for
	f.	Physical education
		Minutes per day Days per week
		□ None or for
	g.	Music
		Minutes per day Days per week
		None or for
		□ None or for
	h.	Art
		Minutes per day Days per week
		□ None or for
		None of the second seco
	i.	Pagaga
	١.	Recess • Do NOT include time allocated for lunch.
		Minutes per day Days per week
		Milliotes per day Days per week
		□ None or for

2-4. ↓ 2-5.	Does this school have students enrolled in the EIGHTH GRADE? Yes No → GO TO Section 3 on page 13. What is the official start and end time for EIGHTH GRADE students at this school?
	If the start and end times vary by day, record the start and end time for the longest day of the week. Start time
2-6.	During a TYPICAL SCHOOL WEEK, approximately how many minutes per day do most EIGHTH GRADE students spend on the following activities at this school? If your school has 2 or more eighth grade classes, calculate the average minutes per day for all eighth grade classes. If most eighth grade students have courses taught on a rotational schedule, calculate typical course time based on the following example: For a course taught 60 minutes per day for half the year, respond with 30 minutes per day. 3. English, reading, language arts (including reading and writing) Minutes per day Days per week
	b. Arithmetic or mathematics Minutes per day Days per week None or for
	C. Social studies or history Minutes per day Days per week None or for
	Minutes per day None or for

3. STUDENTS AND CLASSROOM ORGANIZATION

3-1.	Du cla	ring THIS school year (2017-18), does this school use the following methods to organize sses or students?
	a.	Traditional grades (e.g., 1st grade, 2nd grade) or academic discipline-based departments (e.g., math, science)
		□ Yes
		□ No
	b.	Students are assigned based on their ability (i.e. tracking)
		□ Yes
		□ No
	C.	Grades subdivided into small groups such as "teams," "houses," or "families"
		Yes
		□ No
	d.	Student groups assigned to stay in classes together for two or more years with the
		SAME teacher (i.e. looping)
		Yes
		□ No
	e.	Student groups assigned to stay in classes together for two or more years with
	0.	DIFFERENT teachers
		□ Yes
		□ No
	f.	Multi-age grouping or composite classes (Most students normally in different grades
		placed together)
		□ Yes
		□ No
	g.	Block scheduling (Extended class periods scheduled to create blocks of instruction
	9.	time)
		□ Yes
		□ No

3-2a.	Do	students attend this school across 12 months (i.e. year-round)?
Г		Yes
		No → GO TO item 3-3 below.
♥ b.		all students attend on the same cycle?
D.		
	H	Yes
	Ш	No
3-3.	Doe	es this school have students enrolled in any grades 9-12?
		Yes → GO TO item 3-4 below.
		No → GO TO Section 4 on page 15.
3-4.		the following opportunities available for students in any grades 9-12 attending this ool?
	a.	Dual or concurrent enrollment that offers both high school and college credit
		☐ Yes → How is this funded?
	_	□ No • Mark (X) all that apply.
		☐ By the school, district, or state
		☐ By the family or the student
		☐ By some other entity → GO TO item 3-4b below.
		by come officer of the property of the propert
	b.	Specialized career academy
		(A <u>specialized career academy</u> is a program that offers a set of specialized curriculum
		organized around a specific career area, such as automotive, business, carpentry, communications, construction, cosmetology, culinary arts, education, electricity, engineering,
		health, hospitality, IT, manufacturing, plumbing, protective and legal services, repair, transportation, etc.)
		Yes
		□ No
	c.	Career and technical education courses
		□ Yes
		□ No
	d.	Work-based learning or internships outside of school, in which students earn COURSE
		CREDITS for supervised learning activities that occur in paid or unpaid workplace assignments
		□ Yes
		□ No

4. COMMUNITY SERVICE REQUIREMENTS

The questions in this section are about the DISTRICT that this school is a part of, not this specific school. You may wish to contact the district to obtain the information requested if it is not immediately known.

4-1. Does this DISTRICT grant high school diplomas?

• Do NOT include vocational certificates, certificates of attendance, or certificates of completion.

☐ Yes
☐ No → GO TO Section 5 on page 16.

4-2. For high school graduates of the class of 2018, does this school or district have a community service requirement for a standard diploma?

YesNo → GO TO Section 5 on page 16.

4-3. What is the minimum number of community service hours required of the high school graduates in the class of 2018?

Hours

5. SPECIAL PROGRAMS AND SERVICES		
5-1a.	Of the students enrolled in this school, do any have an Individual Education Plan (IEP) because they have special needs? • Do NOT include prekindergarten, postsecondary, or adult education students.	
Ţ	☐ Yes ☐ No → GO TO item 5-3a on page 17.	
b.	How many students have an Individual Education Plan (IEP) because they have special needs? • Do NOT include prekindergarten, postsecondary, or adult education students. Students	
5-2a.	Does this school primarily serve students with disabilities? • If you marked "SPECIAL EDUCATION school - primarily serves students with disabilities" for item 1-7, please mark "Yes" for this item.	
Ţ	Yes → GO TO item 5-3a on page 17.No	
b.	How many students with disabilities are in each of the following instructional settings? The sum of entries in item 5-2b should equal the entry in item 5-1b above. If none, please mark (X) the box.	
	(1) All day in a regular classroom (100 percent of the school day) None or Students	
	Most of the day in a regular classroom (80-99 percent of the school day) None or Students	
	Some of the day in a regular classroom (40-79 percent of the school day) None or Students	
	(4) Little or none of the day in a regular classroom (0-39 percent of the school day) None or Students	



5-3a.	Of the students enrolled in this school as of the first of October 2017, have any been identified as limited-English proficient, also known as English-language learners (ELLs)? (Limited-English proficient (LEP) or ELLs refers to students whose native or dominant language is other than English and who have sufficient difficulty speaking, reading, writing, or understanding the English language as to deny them the opportunity to learn successfully in an English-speaking-only classroom.) Do NOT include prekindergarten, postsecondary, or adult education students.
Г	Yes
↓ ↓	□ No → GO TO item 5-6a on page 18.
b.	How many limited-English proficient students or English-language learners are enrolled in this school?
	Students
5-4.	Does this school have instruction specifically designed to address the needs of students with limited-English proficiency, also known as English-language learners (ELLs)?
_	Yes
	□ No → GO TO item 5-6a on page 18.
▼ 5-5.	How are English-language learners taught English?
	Are any of them taught – a. Using ESL, bilingual, or immersion techniques?
	□ Yes
	□ No
	b. In regular English-speaking classrooms?
	□ Yes
	□ No

5-6a.	Does this school participate in the National School Lunch Program (that is, the federal free or reduced-price lunch program)?
_	Yes
	$\square No \rightarrow \boxed{GO \; TO \; item \; 5-7 \; on \; page \; 19.}$
b.	Around the first of October 2017, how many PREKINDERGARTEN students were enrolled in this school?
Г	□ None or Prekindergarten students
	(1) What was the percentage of PREKINDERGARTEN students at this school APPROVED for free or reduced-price lunches under the National School Lunch Program?
\downarrow	% of prekindergarten students approved
c.	Around the first of October 2017, what was the percentage of GRADES K-12 students at this school APPROVED for free or reduced-price lunches under the National School Lunch Program?
	% of K-12 students approved
d.	What is the count of students whose National School Lunch Program eligibility was determined through direct certification?
	(<u>Direct certification</u> deems students eligible for free meals under the National School Lunch Program (NSLP) by their families' participation in certain Federal assistance programs such as Supplemental Nutrition Assistance Program (SNAP), Temporary Assistance for Needy Families (TANF), or Food Distribution Program on Indian Reservations (FDPIR).)
	□ None or students
e.	Does this school provide a free lunch for ALL students as part of the National School Lunch Program's Community Eligibility Option?
	(The <u>Community Eligibility Program (CEP)</u> eliminates the requirement for eligibility information once a school has determined a baseline percentage of NSLP-eligible students. Under CEP, schools must serve all students free lunch and breakfast. All students in a school are therefore eligible for free lunches and there is no count of reduced-price lunch students.)
	□ Yes
	□ No

5-7.	Around the first of October 2017, did any students enrolled in this school receive Title I services at this school or at any other location?
	(<u>Title I</u> is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
_	□ Yes
	□ No → GO TO Section 6 on page 20.
▼ 5-8a.	How many PREKINDERGARTEN students at this school participate in the Title I program?
	□ None or Prekindergarten students
b.	How many students at this school in GRADES K-12 participate in the Title I program?
	□ None or K-12 students
5-9.	Are students receiving Title I services in –
	a. Reading or language arts?
	Yes
	□ No
	b. Mathematics?
	☐ Yes
	□ No
	c. English as a Second Language (ESL)?
	☐ Yes
	□ No
5-10.	How many designated Title I teachers were teaching AT THIS SCHOOL around the first of October 2017?
	□ None or □ □ □ Title I teachers

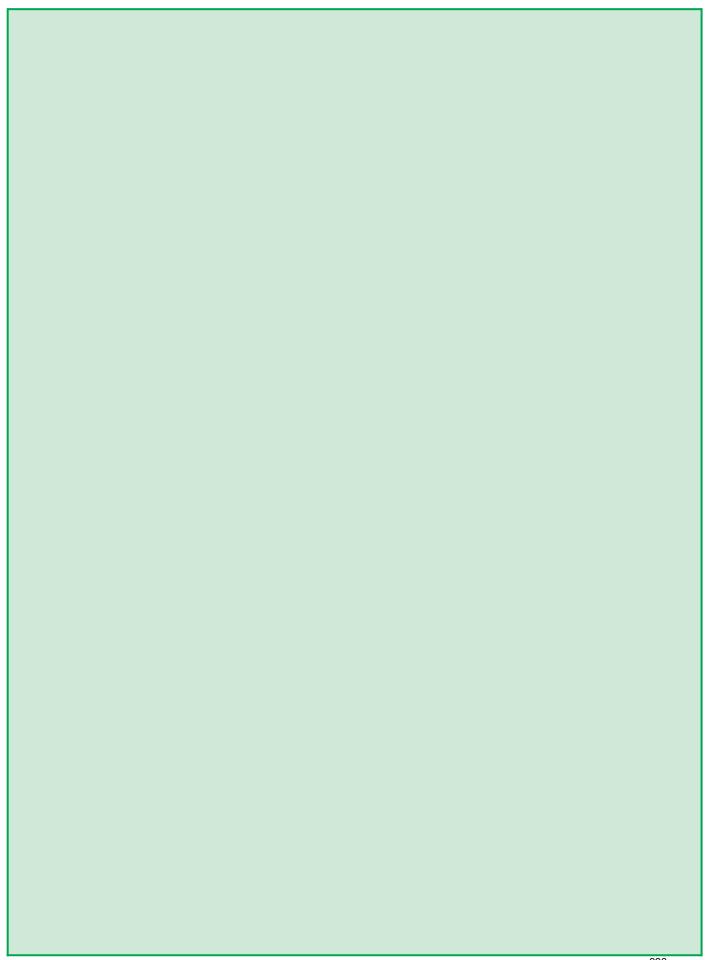
6. CONTACT INFORMATION		
6-1.	What is the name of the person who completed most of this questionnaire?	
6-2.	What is his or her job title?	
6-3.	What is his or her phone number? Area code Number	
6-4.	What is his or her work e-mail address?	
6-5.	Please enter the date you completed this questionnaire. • Report month as a number, that is, 01 for January, 02 for February, etc. Month Day Year 201	
6-6.	Please indicate how much time it took you to complete this form, not counting interruptions. Minutes	

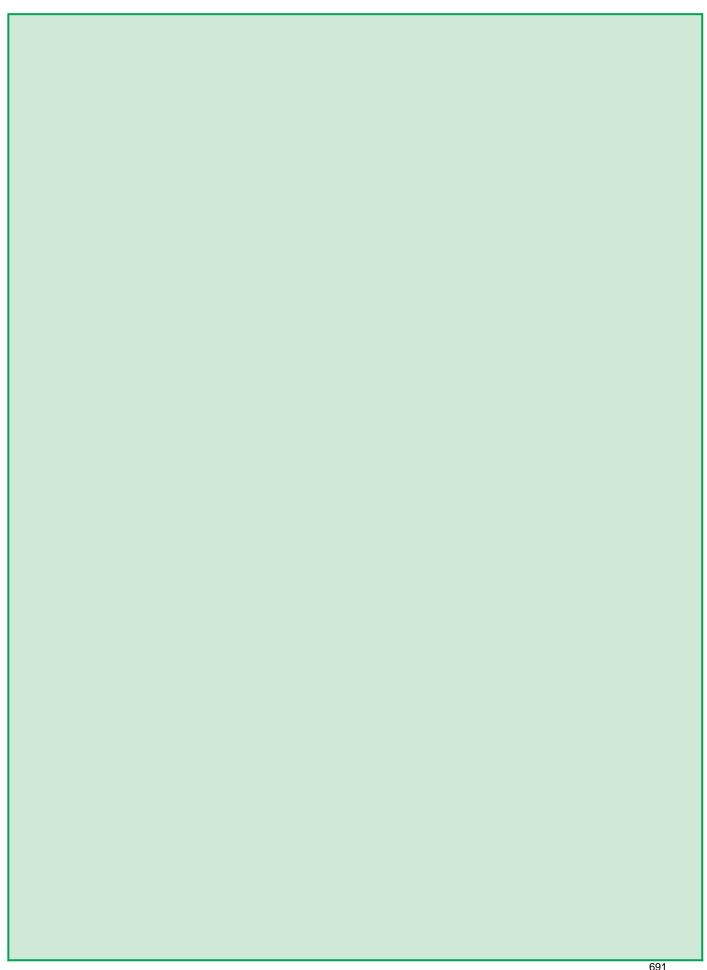
Thank you very much for your participation in this survey. If you have <u>any</u> questions, please contact us, toll-free, at: 1-888-595-1338 or by e-mail at: ntps@census.gov.

Please return your completed questionnaire in the enclosed pre-addressed, postage-paid envelope or mail it to:

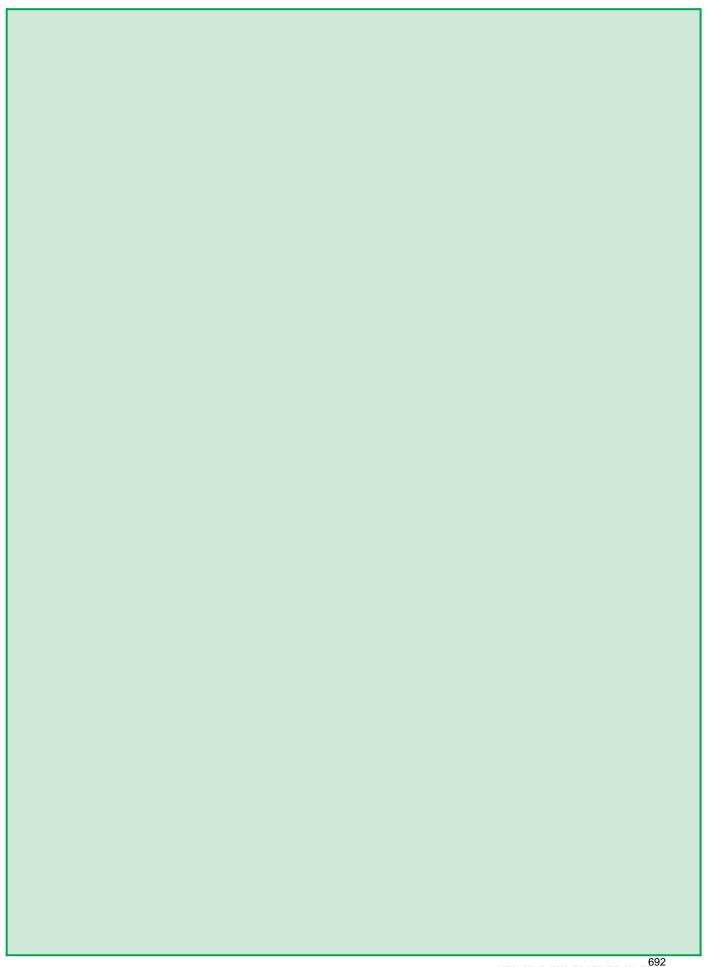
U.S. CENSUS BUREAU ATTN: DCB/PCSPU, BUILDING 60A 1201 E. 10TH STREET JEFFERSONVILLE, IN 47132-0001











To learn more about this survey and to access reports from earlier collections, see the National Teacher and Principal Survey (NTPS) website at: http://nces.ed.gov/surveys/ntps

Additional data collected by the National Center for Education Statistics (NCES) on a variety of topics in elementary, secondary, postsecondary, and international education are available from NCES' website at:

http://nces.ed.gov

For additional data collected by various Federal agencies, including the Department of Education, visit the Federal Statistics clearinghouse at:

http://fedstats.sites.usa.gov

