

*NATIONAL CENTER FOR EDUCATION STATISTICS  
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS*

*Appendix F*

*NAEP Survey Questionnaires*

*Request for Clearance for  
NAEP Assessments for 2017-2019*

*OMB# 1850-NEW v.1  
(previous OMB# 1850-0790 v.43)*



Appendix F contains the survey questionnaire items that will be administered with the NAEP assessments in 2017-2019. This appendix represents a “library” of NAEP items for each subject and respondent. Not all of the items presented will be given to an individual respondent or in a specific administration. The number of items selected for each respondent will be appropriate to the time allocated (as indicated in Part A.12). In addition, some of the items included in the appendix are being pilot tested in 2016. The data from the pilot will be used to determine the viability of these new items for future administration.

The appendix is structured by respondent: student, teacher, and then school. For each respondent, two tables are shown that help define what is included in the library. The first table for each respondent (Tables F.a, F.c, and F.e) indicates when each component will be administered and which Appendix parts comprise this portion of the library. The second table for each respondent (Tables F.b, F.d, and F.f) describe the source of each appendix part (i.e., the assessment from which the Appendix part was previously administered).

Note, given some of the previous administrations were from paper-and-pencil assessments and others were from digitally-based assessments, the item-level directions are not consistent (i.e., some items indicate to “fill in **one** oval” while others indicate to “select **one** answer choice” or “select **one** circle”). The final item-level directions that will be used in 2017-2019 will be appropriate to the mode of the testing, as indicated in Part A.12.

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## **Appendix 7-1: Student Questionnaires**

**Table F.a.** Assessment years for the student survey questionnaires and appendix parts.

	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Appendix Parts</b>
Grade 4 Core	X	X	X	F-1a, F-1b
Grade 8 Core	X	X	X	F-1c, F-1d
Grade 12 Core		X	X	F-1e, F-1f
Grade 4 Reading	X		X	F-1g
Grade 8 Reading	X		X	F-1h, F-1ag
Grade 12 Reading		X	X	F-1h, F-1i
Grade 4 Mathematics	X		X	F-1j
Grade 8 Mathematics	X		X	F-1k, F-1ah
Grade 12 Mathematics		X	X	F-1k, F-1l
Grade 4 Science		X	X	F-1m
Grade 8 Science		X	X	F-1n
Grade 12 Science		X	X	F-1o
Grade 4 Writing	X		X	F-1p
Grade 8 Writing	X		X	F-1q
Grade 12 Writing			X	F-1r, F-1s
Grade 8 Civics	X	X		F-1t, F-1aa
Grade 8 Geography	X	X		F-1u, F-1ab
Grade 8 U.S. History	X	X		F-1v, F-1ac
Grade 8 TEL		X		F-1w
Grade 4 & 8 KaSA	X		X	F-1x
Grade 4 NIES			X	F-1y
Grade 8 NIES			X	F-1z
Grade 4 CAFS	X			F-1ad
Grade 8 CAFS	X			F-1ae
Grade 12 CAFS	X			F-1af

**Table F.b.** Student survey questionnaires provided in the appendix parts.

	<b>Appendix Part</b>	<b>Survey Questionnaire</b>
Grade 4 Core	F-1a	2015 Operational Grade 4 Core
Grade 4 Core	F-1b	2016 Pilot Grade 4 Core
Grade 8 Core	F-1c	2015 Operational Grade 8 Core
Grade 8 Core	F-1d	2016 Pilot Grade 8 Core
Grade 12 Core	F-1e	2015 Operational Grade 12 Core
Grade 12 Core	F-1f	2016 Pilot Grade 12 Core
Grade 4 Reading	F-1g	2016 Pilot Grade 4 Reading
Grade 8 Reading	F-1h	2016 Pilot Grade 8 Reading
Grade 8 Reading	F-1ag	2016 Cognitive Interviews Grade 8 Reading
Grade 12 Reading	F-1i	2015 Operational Grade 12 Reading
Grade 4 Mathematics	F-1j	2016 Pilot Grade 4 Mathematics
Grade 8 Mathematics	F-1k	2016 Pilot Grade 8 Mathematics
Grade 8 Mathematics	F-1ah	2016 Cognitive Interviews Grade 8 Mathematics
Grade 12 Mathematics	F-1l	2015 Operational Grade 12 Mathematics
Grade 4 Science	F-1m	2015 Operational Grade 4 Science
Grade 8 Science	F-1n	2015 Operational Grade 8 Science
Grade 12 Science	F-1o	2015 Operational Grade 12 Science
Grade 4 Writing	F-1p	2012 Pilot Grade 4 Writing
Grade 8 Writing	F-1q	2016 Pilot Grade 8 Writing
Grade 12 Writing	F-1r	2011 Operational Grade 12 Writing
Grade 12 Writing	F-1s	2016 Pilot Grade 12 Writing
Grade 8 Civics	F-1t	2014 Operational Grade 8 Civics
Grade 8 Civics	F-1aa	2016 Cognitive Interviews Grade 8 Civics
Grade 8 Geography	F-1u	2014 Operational Grade 8 Geography
Grade 8 Geography	F-1ab	2016 Cognitive Interviews Grade 8 Geography
Grade 8 U.S. History	F-1v	2014 Operational Grade 8 U.S. History
Grade 8 U.S. History	F-1ac	2016 Cognitive Interviews Grade 8 U.S. History

Grade 8 TEL	F-1w	2014 Probe Grade 8 TEL
Grade 4 & 8 KaSA	F-1x	2015 Operational Grade 4 & 8 KaSA
Grade 4 NIES	F-1y	2015 Operational Grade 4 NIES
Grade 8 NIES	F-1z	2015 Operational Grade 8 NIES
Grade 4 CAFS	F-1ad	2015 Special Study Computer Access and Familiarity Study
Grade 8 CAFS	F-1ae	2015 Special Study Computer Access and Familiarity Study

## **Appendix H1a: 2015 Operational Grade 4 Core**



# SECTION 3

## Section 3

In this section, please tell us about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year. The section has 11 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VB331330

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

- Ⓐ 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.

VB331331

2. Which of the following best describes you? Fill in **one or more ovals**.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

Section 3

VB331335

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)

VB331336

4. Is there a computer at home that you use?

- Ⓐ Yes
- Ⓑ No

VF098664

5. Do you have the following in your home? Fill in ovals for **all** that apply.

- Ⓐ Access to the Internet
- Ⓑ Clothes dryer just for your family
- Ⓒ Dishwasher
- Ⓓ More than one bathroom
- Ⓔ Your own bedroom

TB001101

6. About how many pages a day do you have to read in school and for homework?

- Ⓐ 5 or fewer
- Ⓑ 6–10
- Ⓒ 11–15
- Ⓓ 16–20
- Ⓔ More than 20

VB331339

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

VB331447

8. 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

VB331451

9. How often do people in your home talk to each other in a language other than English?

- Ⓐ Never
- Ⓑ Once in a while
- Ⓒ About half of the time
- Ⓓ All or most of the time

VF095730

10. Do the following people live in your home? Fill in ovals for **all** that apply.

- Ⓐ Mother
- Ⓑ Stepmother
- Ⓒ Foster mother or other female legal guardian
- Ⓓ Father
- Ⓔ Stepfather
- Ⓕ Foster father or other male legal guardian

VE102537

11. Write the ZIP code of your home address in the boxes.

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## **Appendix H-1b: 2016 Pilot Grade 4 Core**

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.

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

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)

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	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. More than one bathroom with a bathtub or shower	<input type="radio"/> A	<input type="radio"/> B	VH336760
e. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
f. A desktop or laptop computer that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271108
g. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
h. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

5. In this school year, about how many pages a day do you have to read in school and for homework?

- A 5 or fewer
- B 6–10
- C 11–15
- D 16–20
- E More than 20

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

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

VH240192

7. How far in school did **your mother** go?
- Ⓐ She did not finish high school.
  - Ⓑ She graduated from high school.
  - Ⓒ She had some education after high school.
  - Ⓓ She graduated from college.
  - Ⓔ I don't know.

VH240193

8. How far in school did **your father** go?
- Ⓐ He did not finish high school.
  - Ⓑ He graduated from high school.
  - Ⓒ He had some education after high school.
  - Ⓓ He graduated from college.
  - Ⓔ I don't know.

VH271144

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

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

VH254028

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

VH336776

11. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336779

12. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336786

13. What does **your mother** do at work? (For example, She's a lawyer; She teaches 1st grade; She cooks in a restaurant; She does not work.) Use these lines to describe what **your mother** does at work.

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14. What does **your father** do at work? (For example, He’s a lawyer; He teaches 1st grade; He cooks in a restaurant; He does not work.) Use these lines to describe what **your father** does at work.

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15. What is **your mother** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don’t know.

16. What is **your father** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don't know.

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| Ⓐ Accountant              | Ⓐ Farmer             | Ⓐ Religious worker                 |
| Ⓑ Artist                  | Ⓑ Firefighter        | Ⓑ Repair technician                |
| Ⓒ Athlete                 | Ⓒ Grounds worker     | Ⓒ Salesperson                      |
| Ⓓ Carpenter               | Ⓓ Health aide        | Ⓓ Scientist                        |
| Ⓔ Cashier                 | Ⓔ Helper             | Ⓔ Secretary                        |
| Ⓕ Cleaner                 | Ⓕ Housekeeper        | Ⓕ Security guard                   |
| Ⓖ Clerk                   | Ⓖ Janitor            | Ⓖ Server                           |
| Ⓗ College professor       | Ⓗ Lawyer             | Ⓗ Social worker                    |
| Ⓘ Construction worker     | Ⓘ Librarian          | Ⓘ Software developer               |
| Ⓚ Cook                    | Ⓚ Manager            | Ⓚ Stocker                          |
| Ⓛ Customer service        | Ⓛ Marketing          | Ⓛ Supervisor                       |
| Ⓜ Day care worker         | Ⓜ Mechanic           | Ⓜ Surgeon                          |
| Ⓝ Dental hygienist        | Ⓝ Medical technician | Ⓝ Surveyor                         |
| Ⓟ Dentist                 | Ⓟ Military           | Ⓟ Taxi driver                      |
| Ⓠ Designer                | Ⓠ Miner              | Ⓠ Teacher                          |
| Ⓡ Doctor                  | Ⓡ Nurse              | Ⓡ Therapist                        |
| Ⓢ Education administrator | Ⓢ Office support     | Ⓢ Transportation                   |
| Ⓣ Electrician             | Ⓣ Painter            | Ⓣ Truck driver                     |
| Ⓤ Engineer                | Ⓤ Pharmacist         | Ⓤ Veterinarian                     |
| Ⓡ Executive               | Ⓡ Police             | Ⓡ Writer                           |
| Ⓚ Factory worker          | Ⓚ Receptionist       | Ⓚ Other (Please specify):<br>_____ |

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| Ⓐ Accountant              | Ⓐ Farmer             | Ⓐ Religious worker                 |
| Ⓑ Artist                  | Ⓑ Firefighter        | Ⓑ Repair technician                |
| Ⓒ Athlete                 | Ⓒ Grounds worker     | Ⓒ Salesperson                      |
| Ⓓ Carpenter               | Ⓓ Health aide        | Ⓓ Scientist                        |
| Ⓔ Cashier                 | Ⓔ Helper             | Ⓔ Secretary                        |
| Ⓕ Cleaner                 | Ⓕ Housekeeper        | Ⓕ Security guard                   |
| Ⓖ Clerk                   | Ⓖ Janitor            | Ⓖ Server                           |
| Ⓗ College professor       | Ⓗ Lawyer             | Ⓗ Social worker                    |
| Ⓘ Construction worker     | Ⓘ Librarian          | Ⓘ Software developer               |
| Ⓚ Cook                    | Ⓚ Manager            | Ⓚ Stocker                          |
| Ⓛ Customer service        | Ⓛ Marketing          | Ⓛ Supervisor                       |
| Ⓜ Day care worker         | Ⓜ Mechanic           | Ⓜ Surgeon                          |
| Ⓝ Dental hygienist        | Ⓝ Medical technician | Ⓝ Surveyor                         |
| Ⓟ Dentist                 | Ⓟ Military           | Ⓟ Taxi driver                      |
| Ⓠ Designer                | Ⓠ Miner              | Ⓠ Teacher                          |
| Ⓡ Doctor                  | Ⓡ Nurse              | Ⓡ Therapist                        |
| Ⓢ Education administrator | Ⓢ Office support     | Ⓢ Transportation                   |
| Ⓣ Electrician             | Ⓣ Painter            | Ⓣ Truck driver                     |
| Ⓤ Engineer                | Ⓤ Pharmacist         | Ⓤ Veterinarian                     |
| Ⓡ Executive               | Ⓡ Police             | Ⓡ Writer                           |
| Ⓚ Factory worker          | Ⓚ Receptionist       | Ⓚ Other (Please specify):<br>_____ |

19. Which of the following best describes where you are living?

- Ⓐ A single family home
- Ⓑ A townhouse
- Ⓒ An apartment
- Ⓓ A trailer or mobile home
- Ⓔ A community home or shelter
- Ⓕ Other (Please specify): \_\_\_\_\_

20. How often do the following things happen at home? 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. People at home ask what I am learning in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271260
b. I talk about things I have studied in school with someone in my family.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271261
c. People at home make sure that I make time for my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271262
d. People at home check if I do my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271263

VH271273

21. In your school, are there **laptop computers** that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271274

22. In this school year, how often did you use a **laptop or desktop computer** 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

VH271275

23. In your school, are there **tablets** (for example, Surface Pro, iPad, Kindle Fire) that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271276

24. 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

25. In your school, are there **desktop computers** that you can use?

- A No
- B Yes

26. 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.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271338
b. I try very hard even after making mistakes.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271339
c. I continue to work towards my goals, even when they take a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271341
d. I keep working hard even when I feel like quitting.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271342
e. I continue working on what I set out to do, even when it takes a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271344
f. I keep trying to improve myself, even when it takes a long time to get there.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271345

27. 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 came to class prepared.	(A)	(B)	(C)	(D)	(E)	VH271368
b. I remembered and followed directions.	(A)	(B)	(C)	(D)	(E)	VH271369
c. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
d. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
e. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
f. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375



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	Very much like me	
a. At school, I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH329466
b. At school, I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH329467
c. At school, I continue to work towards my goals, even when they take a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329468
d. At school, I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH329469
e. At school, I continue working on what I set out to do, even when it takes a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329470
f. At school, I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH329471

29. If you have a problem while working towards an important goal, how well can you keep working?

- (A) Not well at all
- (B) Slightly well
- (C) Somewhat well
- (D) Quite well
- (E) Extremely well

VH329413

30. How often do you stay focused on the same goal for more than 3 months at a time?

- Ⓐ Almost never
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Frequently
- Ⓔ Almost always

VH329415

31. When you are working on a project that matters a lot to you, how focused can you stay when there are lots of distractions?

- Ⓐ Not focused at all
- Ⓑ Slightly focused
- Ⓒ Somewhat focused
- Ⓓ Quite focused
- Ⓔ Extremely focused

VH329416

32. If you fail at an important goal, how likely are you to try again?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

33. If you need to do something you don't want, in order to reach an important goal, how likely are you to do it?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

34. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271750
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271752
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271753
d. I find satisfaction in thinking hard and for long hours.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271754
e. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271756
f. I like to think of my life as a puzzle that I must solve.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271758

35. Whether a person 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 you to change than others. In school, how possible is it for you to change each of the following? Select **one** answer choice on each row.

	<b>Not at all possible to change</b>	<b>A little possible to change</b>	<b>Somewhat possible to change</b>	<b>Quite possible to change</b>	<b>Completely possible to change</b>	
a. Putting forth a lot of effort	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329450
b. Behaving well in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329451

36. 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 left out of things at school.	(A)	(B)	(C)	(D)	(E)	VH271935
b. I felt like I belong at school.	(A)	(B)	(C)	(D)	(E)	VH271936
c. I felt that I was treated fairly by my teachers.	(A)	(B)	(C)	(D)	(E)	VH271937
d. I felt that teachers encouraged me to do my best.	(A)	(B)	(C)	(D)	(E)	VH271938
e. I worried about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH271940
f. I felt excited about something I learned in my classes.	(A)	(B)	(C)	(D)	(E)	VH271941
g. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH271942
h. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH271944
i. I looked forward to going to school in the morning.	(A)	(B)	(C)	(D)	(E)	VH336900
j. I felt lonely at school.	(A)	(B)	(C)	(D)	(E)	VH336901
k. I did not feel safe on my way to and from school.	(A)	(B)	(C)	(D)	(E)	VH336902
l. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH336903
m. I felt that I learned something that will help me in the future.	(A)	(B)	(C)	(D)	(E)	VH336904
n. I felt that I would like to go to a different school if I could.	(A)	(B)	(C)	(D)	(E)	VH336905

37. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

38. When did you first use a **tablet** (for example, Surface Pro, iPad, Kindle Fire)?

- Ⓐ Never until this assessment
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

39. When did you first use a **smartphone** (for example, iPhone, Samsung Galaxy, HTC One)?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

40. How many days did you use the Internet for homework at home in the last month?
- Ⓐ None
  - Ⓑ 1 or 2
  - Ⓒ 3 or 4
  - Ⓓ 5 to 10
  - Ⓔ More than 10 days

41. 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

## **Appendix H-1c: 2015 Operational Grade 8 Core**



# SECTION 3

## Section 3

In this section, please tell us about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year. The section has 13 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VB331330

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

- Ⓐ 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.

VB331331

2. Which of the following best describes you? Fill in **one or more ovals**.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

Section 3

VB331335

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)

VB331336

4. Is there a computer at home that you use?

- Ⓐ Yes
- Ⓑ No

VF098664

5. Do you have the following in your home? Fill in ovals for **all** that apply.

- Ⓐ Access to the Internet
- Ⓑ Clothes dryer just for your family
- Ⓒ Dishwasher
- Ⓓ More than one bathroom
- Ⓔ Your own bedroom

TB001101

6. About how many pages a day do you have to read in school and for homework?

- Ⓐ 5 or fewer
- Ⓑ 6–10
- Ⓒ 11–15
- Ⓓ 16–20
- Ⓔ More than 20

VB331339

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

VB331447

8. 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

VB330870

9. How far in school did your mother go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

VB330871

10. How far in school did your father go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

VB331451

11. How often do people in your home talk to each other in a language other than English?

- Ⓐ Never
- Ⓑ Once in a while
- Ⓒ About half of the time
- Ⓓ All or most of the time

VF095730

12. Do the following people live in your home? Fill in ovals for **all** that apply.

- Ⓐ Mother
- Ⓑ Stepmother
- Ⓒ Foster mother or other female legal guardian
- Ⓓ Father
- Ⓔ Stepfather
- Ⓕ Foster father or other male legal guardian

VE102537

13. Write the ZIP code of your home address in the boxes.

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## **Appendix H-1d: 2016 Pilot Grade 8 Core**

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.

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

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)

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	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. More than one bathroom with a bathtub or shower	<input type="radio"/> A	<input type="radio"/> B	VH336760
e. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
f. A desktop or laptop computer that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271108
g. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
h. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

5. In this school year, about how many pages a day do you have to read in school and for homework?

- A 5 or fewer
- B 6–10
- C 11–15
- D 16–20
- E More than 20

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

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

VH240192

7. How far in school did **your mother** go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

VH240193

8. How far in school did **your father** go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

VH271144

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

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

VH254028

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

VH336776

11. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336779

12. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336786

13. What does **your mother** do at work? (For example, She's a lawyer; She teaches 1st grade; She cooks in a restaurant; She does not work.) Use these lines to describe what **your mother** does at work.

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14. What does **your father** do at work? (For example, He’s a lawyer; He teaches 1st grade; He cooks in a restaurant; He does not work.) Use these lines to describe what **your father** does at work.

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15. What is **your mother** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don’t know.

16. What is **your father** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don't know.

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| Ⓐ Accountant              | Ⓐ Farmer             | Ⓐ Religious worker                 |
| Ⓑ Artist                  | Ⓑ Firefighter        | Ⓑ Repair technician                |
| Ⓒ Athlete                 | Ⓒ Grounds worker     | Ⓒ Salesperson                      |
| Ⓓ Carpenter               | Ⓓ Health aide        | Ⓓ Scientist                        |
| Ⓔ Cashier                 | Ⓔ Helper             | Ⓔ Secretary                        |
| Ⓕ Cleaner                 | Ⓕ Housekeeper        | Ⓕ Security guard                   |
| Ⓖ Clerk                   | Ⓖ Janitor            | Ⓖ Server                           |
| Ⓗ College professor       | Ⓗ Lawyer             | Ⓗ Social worker                    |
| Ⓘ Construction worker     | Ⓘ Librarian          | Ⓘ Software developer               |
| Ⓚ Cook                    | Ⓚ Manager            | Ⓚ Stocker                          |
| Ⓛ Customer service        | Ⓛ Marketing          | Ⓛ Supervisor                       |
| Ⓜ Day care worker         | Ⓜ Mechanic           | Ⓜ Surgeon                          |
| Ⓝ Dental hygienist        | Ⓝ Medical technician | Ⓝ Surveyor                         |
| Ⓟ Dentist                 | Ⓟ Military           | Ⓟ Taxi driver                      |
| Ⓠ Designer                | Ⓠ Miner              | Ⓠ Teacher                          |
| Ⓡ Doctor                  | Ⓡ Nurse              | Ⓡ Therapist                        |
| Ⓢ Education administrator | Ⓢ Office support     | Ⓢ Transportation                   |
| Ⓣ Electrician             | Ⓣ Painter            | Ⓣ Truck driver                     |
| Ⓤ Engineer                | Ⓤ Pharmacist         | Ⓤ Veterinarian                     |
| Ⓡ Executive               | Ⓡ Police             | Ⓡ Writer                           |
| Ⓚ Factory worker          | Ⓚ Receptionist       | Ⓚ Other (Please specify):<br>_____ |

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| Ⓐ Accountant              | Ⓐ Farmer             | Ⓐ Religious worker                 |
| Ⓑ Artist                  | Ⓑ Firefighter        | Ⓑ Repair technician                |
| Ⓒ Athlete                 | Ⓒ Grounds worker     | Ⓒ Salesperson                      |
| Ⓓ Carpenter               | Ⓓ Health aide        | Ⓓ Scientist                        |
| Ⓔ Cashier                 | Ⓔ Helper             | Ⓔ Secretary                        |
| Ⓕ Cleaner                 | Ⓕ Housekeeper        | Ⓕ Security guard                   |
| Ⓖ Clerk                   | Ⓖ Janitor            | Ⓖ Server                           |
| Ⓗ College professor       | Ⓗ Lawyer             | Ⓗ Social worker                    |
| Ⓘ Construction worker     | Ⓘ Librarian          | Ⓘ Software developer               |
| Ⓚ Cook                    | Ⓚ Manager            | Ⓚ Stocker                          |
| Ⓛ Customer service        | Ⓛ Marketing          | Ⓛ Supervisor                       |
| Ⓜ Day care worker         | Ⓜ Mechanic           | Ⓜ Surgeon                          |
| Ⓝ Dental hygienist        | Ⓝ Medical technician | Ⓝ Surveyor                         |
| Ⓟ Dentist                 | Ⓟ Military           | Ⓟ Taxi driver                      |
| Ⓠ Designer                | Ⓠ Miner              | Ⓠ Teacher                          |
| Ⓡ Doctor                  | Ⓡ Nurse              | Ⓡ Therapist                        |
| Ⓢ Education administrator | Ⓢ Office support     | Ⓢ Transportation                   |
| Ⓣ Electrician             | Ⓣ Painter            | Ⓣ Truck driver                     |
| Ⓤ Engineer                | Ⓤ Pharmacist         | Ⓤ Veterinarian                     |
| Ⓡ Executive               | Ⓡ Police             | Ⓡ Writer                           |
| Ⓛ Factory worker          | Ⓛ Receptionist       | Ⓛ Other (Please specify):<br>_____ |

19. Which of the following best describes where you are living?

- Ⓐ A single family home
- Ⓑ A townhouse
- Ⓒ An apartment
- Ⓓ A trailer or mobile home
- Ⓔ A community home or shelter
- Ⓕ Other (Please specify): \_\_\_\_\_

20. How often do the following things happen at home? 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. People at home ask what I am learning in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271260
b. I talk about things I have studied in school with someone in my family.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271261
c. People at home make sure that I make time for my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271262
d. People at home check if I do my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271263

VH271273

21. In your school, are there **laptop computers** that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271274

22. In this school year, how often did you use a **laptop or desktop computer** 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

VH271275

23. In your school, are there **tablets** (for example, Surface Pro, iPad, Kindle Fire) that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271276

24. 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

25. In your school, are there **desktop computers** that you can use?

- A No
- B Yes

26. 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.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271338
b. I try very hard even after making mistakes.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271339
c. I continue to work towards my goals, even when they take a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271341
d. I keep working hard even when I feel like quitting.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271342
e. I continue working on what I set out to do, even when it takes a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271344
f. I keep trying to improve myself, even when it takes a long time to get there.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271345

27. 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 came to class prepared.	(A)	(B)	(C)	(D)	(E)	VH271368
b. I remembered and followed directions.	(A)	(B)	(C)	(D)	(E)	VH271369
c. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
d. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
e. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
f. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375



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	Very much like me	
a. At school, I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH329466
b. At school, I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH329467
c. At school, I continue to work towards my goals, even when they take a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329468
d. At school, I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH329469
e. At school, I continue working on what I set out to do, even when it takes a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329470
f. At school, I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH329471

29. If you have a problem while working towards an important goal, how well can you keep working?

- (A) Not well at all
- (B) Slightly well
- (C) Somewhat well
- (D) Quite well
- (E) Extremely well

VH329413

30. How often do you stay focused on the same goal for more than 3 months at a time?

- Ⓐ Almost never
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Frequently
- Ⓔ Almost always

VH329415

31. When you are working on a project that matters a lot to you, how focused can you stay when there are lots of distractions?

- Ⓐ Not focused at all
- Ⓑ Slightly focused
- Ⓒ Somewhat focused
- Ⓓ Quite focused
- Ⓔ Extremely focused

VH329416

32. If you fail at an important goal, how likely are you to try again?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

33. If you need to do something you don't want, in order to reach an important goal, how likely are you to do it?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

34. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271750
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271752
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271753
d. I find satisfaction in thinking hard and for long hours.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271754
e. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271756
f. I like to think of my life as a puzzle that I must solve.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271758

35. Whether a person 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 you to change than others. In school, how possible is it for you to change each of the following? Select **one** answer choice on each row.

	<b>Not at all possible to change</b>	<b>A little possible to change</b>	<b>Somewhat possible to change</b>	<b>Quite possible to change</b>	<b>Completely possible to change</b>	
a. Putting forth a lot of effort	(A)	(B)	(C)	(D)	(E)	VH329450
b. Behaving well in class	(A)	(B)	(C)	(D)	(E)	VH329451

36. 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 left out of things at school.	(A)	(B)	(C)	(D)	(E)	VH271935
b. I felt like I belong at school.	(A)	(B)	(C)	(D)	(E)	VH271936
c. I felt that I was treated fairly by my teachers.	(A)	(B)	(C)	(D)	(E)	VH271937
d. I felt that teachers encouraged me to do my best.	(A)	(B)	(C)	(D)	(E)	VH271938
e. I worried about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH271940
f. I felt excited about something I learned in my classes.	(A)	(B)	(C)	(D)	(E)	VH271941
g. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH271942
h. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH271944
i. I looked forward to going to school in the morning.	(A)	(B)	(C)	(D)	(E)	VH336900
j. I felt lonely at school.	(A)	(B)	(C)	(D)	(E)	VH336901
k. I did not feel safe on my way to and from school.	(A)	(B)	(C)	(D)	(E)	VH336902
l. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH336903
m. I felt that I learned something that will help me in the future.	(A)	(B)	(C)	(D)	(E)	VH336904
n. I felt that I would like to go to a different school if I could.	(A)	(B)	(C)	(D)	(E)	VH336905

37. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

38. When did you first use a **tablet** (for example, Surface Pro, iPad, Kindle Fire)?

- Ⓐ Never until this assessment
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

39. When did you first use a **smartphone** (for example, iPhone, Samsung Galaxy, HTC One)?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

40. How many days did you use the Internet for homework at home in the last month?
- Ⓐ None
  - Ⓑ 1 or 2
  - Ⓒ 3 or 4
  - Ⓓ 5 to 10
  - Ⓔ More than 10 days

41. 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

## **Appendix H-1e: 2015 Operational Grade 12 Core**



# SECTION 3

## Section 3

In this section, please tell us about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year. The section has 15 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VB331330

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

- Ⓐ 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.

VB331331

2. Which of the following best describes you? Fill in **one or more ovals**.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

Section 3

VB331335

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)

VB331336

4. Is there a computer at home that you use?

- Ⓐ Yes
- Ⓑ No

VF098664

5. Do you have the following in your home? Fill in ovals for **all** that apply.

- Ⓐ Access to the Internet
- Ⓑ Clothes dryer just for your family
- Ⓒ Dishwasher
- Ⓓ More than one bathroom
- Ⓔ Your own bedroom

TB001101

6. About how many pages a day do you have to read in school and for homework?

- Ⓐ 5 or fewer
- Ⓑ 6–10
- Ⓒ 11–15
- Ⓓ 16–20
- Ⓔ More than 20

VB331339

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

VB331447

8. 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

VB330870

9. How far in school did your mother go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

VB330871

10. How far in school did your father go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

VB331451

11. How often do people in your home talk to each other in a language other than English?

- Ⓐ Never
- Ⓑ Once in a while
- Ⓒ About half of the time
- Ⓓ All or most of the time

VF095730

12. Do the following people live in your home? Fill in ovals for **all** that apply.

- Ⓐ Mother
- Ⓑ Stepmother
- Ⓒ Foster mother or other female legal guardian
- Ⓓ Father
- Ⓔ Stepfather
- Ⓕ Foster father or other male legal guardian

Section 3

VF291224

13. During this school year, which of the following have you done? Fill in ovals for **all** that apply.

- Ⓐ Taken the SAT or ACT College Entrance Exams
- Ⓑ Submitted the Free Application for Federal Student Aid (FAFSA)
- Ⓒ Applied to a 2-year college
- Ⓓ Been accepted to a 2-year college
- Ⓔ Applied to a 4-year college
- Ⓕ Been accepted to a 4-year college
- Ⓖ Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)
- Ⓗ Been accepted to a technical training program
- Ⓘ Talked with a military recruiter
- Ⓝ Enlisted in the military
- Ⓚ Applied for a full-time job
- Ⓛ Been interviewed for a full-time job
- Ⓜ None of the above

HE002549

14. Which of the following best describes your high school program?

- Ⓐ General
- Ⓑ Academic or college preparatory
- Ⓒ Vocational or technical

VE102537

15. Write the ZIP code of your home address in the boxes.

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## **Appendix F-1f: 2016 Pilot Grade 12 Core**

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.

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

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)

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	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. More than one bathroom with a bathtub or shower	<input type="radio"/> A	<input type="radio"/> B	VH336760
e. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
f. A desktop or laptop computer that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271108
g. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
h. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

5. In this school year, about how many pages a day do you have to read in school and for homework?

- A 5 or fewer
- B 6–10
- C 11–15
- D 16–20
- E More than 20

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

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

VH240192

7. How far in school did **your mother** go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

VH240193

8. How far in school did **your father** go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

VH271144

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

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

VH254028

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



11. During this school year, which of the following have you done? Select **all** that apply.
- Ⓐ Taken the SAT or ACT College Entrance Exams
  - Ⓑ Submitted the Free Application for Federal Student Aid (FAFSA)
  - Ⓒ Applied to a 2-year college
  - Ⓓ Been accepted to a 2-year college
  - Ⓔ Applied to a 4-year college
  - Ⓕ Been accepted to a 4-year college
  - Ⓖ Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)
  - Ⓗ Been accepted to a technical training program
  - Ⓘ Talked with a military recruiter
  - Ⓙ Enlisted in the military
  - Ⓚ Applied for a full-time job
  - Ⓛ Been interviewed for a full-time job
  - Ⓜ None of the above

12. Which of the following best describes your high school program?
- Ⓐ General
  - Ⓑ Academic or college preparatory
  - Ⓒ Vocational or technical

VH336776

13. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336779

14. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336786

15. What does **your mother** do at work? (For example, She's a lawyer; She teaches 1st grade; She cooks in a restaurant; She does not work.) Use these lines to describe what **your mother** does at work.

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16. What does **your father** do at work? (For example, He’s a lawyer; He teaches 1st grade; He cooks in a restaurant; He does not work.) Use these lines to describe what **your father** does at work.

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17. What is **your mother** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don’t know.

18. What is **your father** currently doing? Select **all** that apply.

- Ⓐ Works full-time
- Ⓑ Works part-time
- Ⓒ Takes care of the home and family
- Ⓓ Studies to get a degree at a college or university
- Ⓔ Other (Please specify): \_\_\_\_\_
- Ⓕ I don't know.

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| ① Accountant              | ② Farmer             | ③ Religious worker                 |
| ④ Artist                  | ⑤ Firefighter        | ⑥ Repair technician                |
| ⑦ Athlete                 | ⑧ Grounds worker     | ⑨ Salesperson                      |
| ⑩ Carpenter               | ⑪ Health aide        | ⑫ Scientist                        |
| ⑬ Cashier                 | ⑭ Helper             | ⑮ Secretary                        |
| ⑯ Cleaner                 | ⑰ Housekeeper        | ⑱ Security guard                   |
| ⑲ Clerk                   | ⑳ Janitor            | ㉑ Server                           |
| ㉒ College professor       | ㉓ Lawyer             | ㉔ Social worker                    |
| ㉕ Construction worker     | ㉖ Librarian          | ㉗ Software developer               |
| ㉘ Cook                    | ㉙ Manager            | ㉚ Stocker                          |
| ㉛ Customer service        | ㉜ Marketing          | ㉝ Supervisor                       |
| ㉞ Day care worker         | ㉟ Mechanic           | ㊱ Surgeon                          |
| ㊲ Dental hygienist        | ㊳ Medical technician | ㊴ Surveyor                         |
| ㊵ Dentist                 | ㊶ Military           | ㊷ Taxi driver                      |
| ㊸ Designer                | ㊹ Miner              | ㊺ Teacher                          |
| ㊻ Doctor                  | ㊼ Nurse              | ㊽ Therapist                        |
| ㊾ Education administrator | ㊿ Office support     | ① Transportation                   |
| ② Electrician             | ③ Painter            | ④ Truck driver                     |
| ⑤ Engineer                | ⑥ Pharmacist         | ⑦ Veterinarian                     |
| ⑧ Executive               | ⑨ Police             | ⑩ Writer                           |
| ⑪ Factory worker          | ⑫ Receptionist       | ⑬ Other (Please specify):<br>_____ |

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

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| ① Accountant              | ② Farmer             | ③ Religious worker                 |
| ② Artist                  | ③ Firefighter        | ④ Repair technician                |
| ③ Athlete                 | ④ Grounds worker     | ⑤ Salesperson                      |
| ④ Carpenter               | ⑤ Health aide        | ⑥ Scientist                        |
| ⑤ Cashier                 | ⑥ Helper             | ⑦ Secretary                        |
| ⑥ Cleaner                 | ⑦ Housekeeper        | ⑧ Security guard                   |
| ⑦ Clerk                   | ⑧ Janitor            | ⑨ Server                           |
| ⑧ College professor       | ⑨ Lawyer             | ⑩ Social worker                    |
| ⑨ Construction worker     | ⑩ Librarian          | ⑪ Software developer               |
| ⑩ Cook                    | ⑪ Manager            | ⑫ Stocker                          |
| ⑪ Customer service        | ⑫ Marketing          | ⑬ Supervisor                       |
| ⑫ Day care worker         | ⑬ Mechanic           | ⑭ Surgeon                          |
| ⑬ Dental hygienist        | ⑭ Medical technician | ⑮ Surveyor                         |
| ⑭ Dentist                 | ⑮ Military           | ⑯ Taxi driver                      |
| ⑮ Designer                | ⑯ Miner              | ⑰ Teacher                          |
| ⑯ Doctor                  | ⑰ Nurse              | ⑱ Therapist                        |
| ⑰ Education administrator | ⑱ Office support     | ⑲ Transportation                   |
| ⑱ Electrician             | ⑲ Painter            | ⑳ Truck driver                     |
| ⑲ Engineer                | ⑳ Pharmacist         | ㉑ Veterinarian                     |
| ⑳ Executive               | ㉑ Police             | ㉒ Writer                           |
| ㉑ Factory worker          | ㉒ Receptionist       | ㉓ Other (Please specify):<br>_____ |

21. Which of the following best describes where you are living?

- Ⓐ A single family home
- Ⓑ A townhouse
- Ⓒ An apartment
- Ⓓ A trailer or mobile home
- Ⓔ A community home or shelter
- Ⓕ Other (Please specify): \_\_\_\_\_

22. How often do the following things happen at home? 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. People at home ask what I am learning in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271260
b. I talk about things I have studied in school with someone in my family.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271261
c. People at home make sure that I make time for my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271262
d. People at home check if I do my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271263

VH271273

23. In your school, are there **laptop computers** that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271274

24. In this school year, how often did you use a **laptop or desktop computer** 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

VH271275

25. In your school, are there **tablets** (for example, Surface Pro, iPad, Kindle Fire) that you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take one home with me.
- Ⓒ Yes, and I can take one home with me.

VH271276

26. 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



27. In your school, are there **desktop computers** that you can use?

- A No
- B Yes

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	Very much like me	
a. I finish whatever I begin.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271338
b. I try very hard even after making mistakes.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271339
c. I continue to work towards my goals, even when they take a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271341
d. I keep working hard even when I feel like quitting.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271342
e. I continue working on what I set out to do, even when it takes a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271344
f. I keep trying to improve myself, even when it takes a long time to get there.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271345

29. 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 came to class prepared.	(A)	(B)	(C)	(D)	(E)	VH271368
b. I remembered and followed directions.	(A)	(B)	(C)	(D)	(E)	VH271369
c. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
d. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
e. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
f. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375

30. 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. At school, I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH329466
b. At school, I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH329467
c. At school, I continue to work towards my goals, even when they take a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329468
d. At school, I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH329469
e. At school, I continue working on what I set out to do, even when it takes a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329470
f. At school, I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH329471

31. If you have a problem while working towards an important goal, how well can you keep working?

- (A) Not well at all
- (B) Slightly well
- (C) Somewhat well
- (D) Quite well
- (E) Extremely well

32. How often do you stay focused on the same goal for more than 3 months at a time?

- Ⓐ Almost never
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Frequently
- Ⓔ Almost always

33. When you are working on a project that matters a lot to you, how focused can you stay when there are lots of distractions?

- Ⓐ Not focused at all
- Ⓑ Slightly focused
- Ⓒ Somewhat focused
- Ⓓ Quite focused
- Ⓔ Extremely focused

34. If you fail at an important goal, how likely are you to try again?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

35. If you need to do something you don't want, in order to reach an important goal, how likely are you to do it?

- Ⓐ Not at all likely
- Ⓑ Slightly likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

36. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271750
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271752
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271753
d. I find satisfaction in thinking hard and for long hours.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271754
e. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271756
f. I like to think of my life as a puzzle that I must solve.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271758

37. Whether a person 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 you to change than others. In school, how possible is it for you to change each of the following? Select **one** answer choice on each row.

	<b>Not at all possible to change</b>	<b>A little possible to change</b>	<b>Somewhat possible to change</b>	<b>Quite possible to change</b>	<b>Completely possible to change</b>	
a. Putting forth a lot of effort	(A)	(B)	(C)	(D)	(E)	VH329450
b. Behaving well in class	(A)	(B)	(C)	(D)	(E)	VH329451

38. 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 left out of things at school.	(A)	(B)	(C)	(D)	(E)	VH271935
b. I felt like I belong at school.	(A)	(B)	(C)	(D)	(E)	VH271936
c. I felt that I was treated fairly by my teachers.	(A)	(B)	(C)	(D)	(E)	VH271937
d. I felt that teachers encouraged me to do my best.	(A)	(B)	(C)	(D)	(E)	VH271938
e. I worried about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH271940
f. I felt excited about something I learned in my classes.	(A)	(B)	(C)	(D)	(E)	VH271941
g. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH271942
h. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH271944
i. I looked forward to going to school in the morning.	(A)	(B)	(C)	(D)	(E)	VH336900
j. I felt lonely at school.	(A)	(B)	(C)	(D)	(E)	VH336901
k. I did not feel safe on my way to and from school.	(A)	(B)	(C)	(D)	(E)	VH336902
l. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH336903
m. I felt that I learned something that will help me in the future.	(A)	(B)	(C)	(D)	(E)	VH336904
n. I felt that I would like to go to a different school if I could.	(A)	(B)	(C)	(D)	(E)	VH336905

39. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

40. When did you first use a **tablet** (for example, Surface Pro, iPad, Kindle Fire)?

- Ⓐ Never until this assessment
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

41. When did you first use a **smartphone** (for example, iPhone, Samsung Galaxy, HTC One)?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school



42. How many days did you use the Internet for homework at home in the last month?

- Ⓐ None
- Ⓑ 1 or 2
- Ⓒ 3 or 4
- Ⓓ 5 to 10
- Ⓔ More than 10 days

43. 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

## **Appendix H1g: 2016 Pilot Grade 4 Reading**

1. For school this year, how often do you use the following devices to read a story, article, or book? 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	Several times a day	
a. Desktop computer	(A)	(B)	(C)	(D)	(E)	(F)	VH260200
b. Laptop computer	(A)	(B)	(C)	(D)	(E)	(F)	VH260201
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	(F)	VH260202

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

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

3. In this school year, how often do you borrow reading materials (such as books or magazines) from your school library or media center?

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

VH332842

4. How often does your teacher ask you to read silently?

- Ⓐ 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

VH239975

5. How often does your teacher ask you to read silently?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VH332850

6. 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

VH239976

7. How often does your teacher ask you to read a book you have chosen yourself?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VH332853

8. 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

VH239978

9. How often does your teacher ask you to discuss new or difficult vocabulary?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VH332862

10. For school this year, how often do you work in pairs or small groups to talk about something that you have read?

- Ⓐ 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

11. For school this year, how often do you work in pairs or small groups to talk about something that you have read?
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week

12. For school this year, how often do you have a class discussion about something that the class has read?
- Ⓐ 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

13. For school this year, how often do you have a class discussion about something that the class has read?
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week

14. 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 to five times
  - Ⓔ More than five times

15. For school this year, how often have you been asked to write long answers to questions on tests or assignments that involved reading?
- Ⓐ Never
  - Ⓑ Once or twice this year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week

16. 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 read only if I have to.	(A)	(B)	(C)	(D)	(E)	VH260270
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
c. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
d. I find it difficult to finish books.	(A)	(B)	(C)	(D)	(E)	VH260273
e. I feel happy if I receive a book as a present.	(A)	(B)	(C)	(D)	(E)	VH260274
f. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
g. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277
h. I read only to get information that I need.	(A)	(B)	(C)	(D)	(E)	VH260278
i. I like to exchange books with my friends.	(A)	(B)	(C)	(D)	(E)	VH260281

17. 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	
a. Read for fun on your own time	(A)	(B)	(C)	(D)	(E)	VH333224
b. Talk with your friends or family about something you have read	(A)	(B)	(C)	(D)	(E)	VH333225



VH240406

18. How often do you do each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Read for fun on your own time	(A)	(B)	(C)	(D)	VH240411
b. Talk with your friends or family about something you have read	(A)	(B)	(C)	(D)	VH240408

VH333180

19. Please indicate how much you agree with the following statements about reading. Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. When I read books, I learn a lot.	(A)	(B)	(C)	(D)	(E)	(F)	VH333182
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	(F)	VH333181
c. Reading is enjoyable.	(A)	(B)	(C)	(D)	(E)	(F)	VH333183

VH240399

20. Please indicate how much you DISAGREE or AGREE with the following statements about reading and writing. Select **one** answer choice on each row.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. When I read books, I learn a lot.	(A)	(B)	(C)	(D)	VH240404
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	VH240400
c. Reading is enjoyable.	(A)	(B)	(C)	(D)	VH240402

21. Besides doing homework, how much time do you spend reading **outside of school**?

- Ⓐ 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

22. 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
- Ⓑ 30 minutes up to 1 hour
- Ⓒ 1 up to 2 hours
- Ⓓ 2 up to 3 hours
- Ⓔ 3 up to 4 hours
- Ⓕ More than 4 hours

23. Which of the following statements are true about the ways in which you and your teachers use computers or other digital devices in your English/language arts class? Select **one** answer choice on each row.

	Yes	No	
a. There are computers or other digital devices that I can use for my English/language arts schoolwork.	Ⓐ	Ⓑ	VH260664
b. There is Wi-Fi or some other Internet connection that I can use for my English/language arts schoolwork.	Ⓐ	Ⓑ	VH260665
c. My English/language arts teacher uses computers or other digital devices when teaching my class.	Ⓐ	Ⓑ	VH260666
d. My English/language arts teacher requires us to use computers or other digital devices to complete assignments.	Ⓐ	Ⓑ	VH260667

24. 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)	(B)	(C)	(D)	(E)	VH337051
b. Explain the meaning of something you have read	(A)	(B)	(C)	(D)	(E)	VH337068
c. Understand the feelings of characters in a story	(A)	(B)	(C)	(D)	(E)	VH337053
d. Figure out the main idea of a text	(A)	(B)	(C)	(D)	(E)	VH337054
e. Figure out the theme of a text	(A)	(B)	(C)	(D)	(E)	VH337055
f. Find text in a reading passage to help you answer a question on a test	(A)	(B)	(C)	(D)	(E)	VH337062
g. Recognize when you don't understand something you are reading	(A)	(B)	(C)	(D)	(E)	VH337063
h. Recognize the difference between fact and opinion in a text	(A)	(B)	(C)	(D)	(E)	VH337064

25. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH260907
b. Go to my local library to borrow books (print or online)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH260911
c. Read blogs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH333261
e. Help friends with reading homework	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH260917

26. In this school year, did you participate in a book club?

- A Yes
- B No

27. Have you ever participated in a summer reading program?

- A Yes
- B No

28. Last summer, did you participate in a summer reading program?

- A Yes
- B No

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. I want other students to think I am good at reading.	(A)	(B)	(C)	(D)	(E)	VH260928
b. I want to show others that my English/language arts schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH260929
c. I want to look smart in comparison to the other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260930
d. I want to learn as much as possible in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260931
e. I want to master a lot of new skills in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260932
f. I want to pass my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260933
g. I want to become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
h. I want to get better grades than most other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260935
i. I want to get good grades in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260936
j. I want to avoid making mistakes in front of my classmates in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260937
k. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938
l. I want to hide how nervous I am about reading.	(A)	(B)	(C)	(D)	(E)	VH333328

30. In your English/language arts class 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 came to my English/language arts class prepared.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260952
b. I remembered and followed directions from my English/language arts teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260953
c. I started working on reading assignments right away rather than waiting until the last minute.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260954
d. I paid attention and resisted distractions during English/language arts class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260955
e. I stayed on task without reminders from my English/language arts teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260957
f. I paid attention in my English/language arts class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260958

31. 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)	(B)	(C)	(D)	(E)	VH261066
b. Poems	(A)	(B)	(C)	(D)	(E)	VH261067
c. Plays	(A)	(B)	(C)	(D)	(E)	VH261068
d. Autobiographies	(A)	(B)	(C)	(D)	(E)	VH261069
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. Blogs or personal web pages	(A)	(B)	(C)	(D)	(E)	VH261073
h. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
i. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

32. How hard was this test compared to most other tests you have taken this year in school?

- (A) Easier than other tests
- (B) About as hard as other tests
- (C) Harder than other tests
- (D) Much harder than other tests

33. 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?

- (A) Not as hard as on other tests
- (B) About as hard as on other tests
- (C) Harder than on other tests
- (D) Much harder than on other tests



VH240003

34. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

VH260313

35. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

VH260314

36. How many questions do you think you answered correctly on this test?

- Ⓐ None or almost none
- Ⓑ Some but less than half
- Ⓒ About half
- Ⓓ More than half but not all
- Ⓔ All or almost all

37. How similar were the questions on this test to the questions on your **English/language arts** quizzes and tests at school?

- Ⓐ Not similar at all
- Ⓑ Not similar
- Ⓒ Somewhat similar
- Ⓓ Quite similar
- Ⓔ Extremely similar

38. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	<b>Strongly disagree</b>	<b>Disagree</b>	<b>Somewhat disagree</b>	<b>Somewhat agree</b>	<b>Agree</b>	<b>Strongly agree</b>	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

39. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

VH333659

40. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

VH333660

41. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

VH333661

42. 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

## **Appendix H-1h: 2016 Pilot Grade 8 Reading**

1. For school this year, how often do you use the following devices to read a story, article, or book? 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	Several times a day	
a. Desktop computer	(A)	(B)	(C)	(D)	(E)	(F)	VH260200
b. Laptop computer	(A)	(B)	(C)	(D)	(E)	(F)	VH260201
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	(F)	VH260202

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

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

3. In this school year, how often do you borrow reading materials (such as books or magazines) from your school library or media center?

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

4. 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 to five times
- Ⓔ More than five times

5. For school this year, how often have you been asked to write long answers to questions on tests or assignments that involved reading?

- Ⓐ Never
- Ⓑ Once or twice this year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

6. 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	
a. Have a class discussion about something that the whole class has read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332888
b. Work in pairs or small groups to talk about something that you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332889

VH240413

7. Now think about reading and writing you do for school. For your **English** class this year, how often do you do each of the following? Select **one** answer choice on each row.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Have a class discussion about something that the whole class has read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240416
b. Work in pairs or small groups to talk about something that you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240415

VH332903

8. 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	Two or three times	Four to five times	More than five times	
a. Completed a project about something that you have read (for example, written a play, created a website)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332905
b. Conducted research for reading and writing projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332904

VH240417

9. For your **English** 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. Done a project about something that you have read (for example, written a play, created a website)	(A)	(B)	(C)	(D)	(E)	VH240421
b. Conducted research for reading and writing projects	(A)	(B)	(C)	(D)	(E)	VH240419

VH333044

10. In your English/language arts class this year, how often does your class 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	
a. Read silently	(A)	(B)	(C)	(D)	(E)	VH333046
b. Explain what we have read	(A)	(B)	(C)	(D)	(E)	VH333052
c. Read books we have chosen ourselves	(A)	(B)	(C)	(D)	(E)	VH333050

VH240422

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

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Read silently	(A)	(B)	(C)	(D)	VH240424
b. Explain what we have read	(A)	(B)	(C)	(D)	VH240426
c. Read books we have chosen ourselves	(A)	(B)	(C)	(D)	VH240428



VH333074

12. 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)	(B)	(C)	(D)	(E)	VH333075
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	(E)	VH333076
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	(E)	VH333079
d. Identify the main ideas of the passage	(A)	(B)	(C)	(D)	(E)	VH333078
e. Identify the themes of the passage	(A)	(B)	(C)	(D)	(E)	VH333094
f. Analyze two or more texts on the same topic	(A)	(B)	(C)	(D)	(E)	VH333077

VH240437

13. 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 or twice a month	Once or twice a week	Every day or almost every day	
a. Summarize the passage	(A)	(B)	(C)	(D)	VH240438
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	VH240439
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	VH240440
d. Identify the main themes or main ideas of the passage	(A)	(B)	(C)	(D)	VH240443

14. In your English/language arts class this year, how often do you use a computer or other digital device to 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	
a. Learn and practice vocabulary	(A)	(B)	(C)	(D)	(E)	VH333112
b. Practice spelling and grammar	(A)	(B)	(C)	(D)	(E)	VH333113
c. Access reading-related websites (for example, websites with book reviews and lists of recommended books)	(A)	(B)	(C)	(D)	(E)	VH333116
d. Conduct research for reading and writing projects	(A)	(B)	(C)	(D)	(E)	VH333120
e. Read books or articles	(A)	(B)	(C)	(D)	(E)	VH333115

15. In your English/language arts class this year, how often do you use a computer to do each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Learn and practice vocabulary	(A)	(B)	(C)	(D)	VH240448
b. Practice spelling and grammar	(A)	(B)	(C)	(D)	VH240449
c. Access reading-related websites (for example, websites with book reviews and lists of recommended books)	(A)	(B)	(C)	(D)	VH240459
d. Conduct research for reading and writing projects	(A)	(B)	(C)	(D)	VH240454
e. Read books or articles using a computer or other digital technology	(A)	(B)	(C)	(D)	VH240453

16. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260256
b. Analyze the author's organization of information in a passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333142
c. Critique the author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH333144

17. 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 or twice a month	Once or twice a week	I don't know.	
a. Evaluate the main arguments or evidence in a persuasive passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240434
b. Analyze the author's organization of information in a passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240436
c. Critique the author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240435

18. 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 read only if I have to.	(A)	(B)	(C)	(D)	(E)	VH260270
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
c. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
d. I find it difficult to finish books.	(A)	(B)	(C)	(D)	(E)	VH260273
e. I feel happy if I receive a book as a present.	(A)	(B)	(C)	(D)	(E)	VH260274
f. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
g. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277
h. I read only to get information that I need.	(A)	(B)	(C)	(D)	(E)	VH260278
i. I like to exchange books with my friends.	(A)	(B)	(C)	(D)	(E)	VH260281

19. 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	
a. Read for fun on your own time	(A)	(B)	(C)	(D)	(E)	VH333224
b. Talk with your friends or family about something you have read	(A)	(B)	(C)	(D)	(E)	VH333225

VH240406

20. How often do you do each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Read for fun on your own time	(A)	(B)	(C)	(D)	VH240411
b. Talk with your friends or family about something you have read	(A)	(B)	(C)	(D)	VH240408

VH333180

21. Please indicate how much you agree with the following statements about reading. Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. When I read books, I learn a lot.	(A)	(B)	(C)	(D)	(E)	(F)	VH333182
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	(F)	VH333181
c. Reading is enjoyable.	(A)	(B)	(C)	(D)	(E)	(F)	VH333183

VH240399

22. Please indicate how much you DISAGREE or AGREE with the following statements about reading and writing. Select **one** answer choice on each row.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. When I read books, I learn a lot.	(A)	(B)	(C)	(D)	VH240404
b. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	VH240400
c. Reading is enjoyable.	(A)	(B)	(C)	(D)	VH240402

23. Besides doing homework, how much time do you spend reading **outside of school**?

- Ⓐ 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

24. 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
- Ⓑ 30 minutes up to 1 hour
- Ⓒ 1 up to 2 hours
- Ⓓ 2 up to 3 hours
- Ⓔ 3 up to 4 hours
- Ⓕ More than 4 hours

25. Which of the following statements are true about the ways in which you and your teachers use computers or other digital devices in your English/language arts class? Select **one** answer choice on each row.

	Yes	No	
a. There are computers or other digital devices that I can use for my English/language arts schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH260664
b. There is Wi-Fi or some other Internet connection that I can use for my English/language arts schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH260665
c. My English/language arts teacher uses computers or other digital devices when teaching my class.	<input type="radio"/> A	<input type="radio"/> B	VH260666
d. My English/language arts teacher requires us to use computers or other digital devices to complete assignments.	<input type="radio"/> A	<input type="radio"/> B	VH260667

26. 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)	(B)	(C)	(D)	(E)	VH260848
b. Explain the meaning of something you have read	(A)	(B)	(C)	(D)	(E)	VH260849
c. Understand the feelings of characters in a story	(A)	(B)	(C)	(D)	(E)	VH260850
d. Figure out the main idea of a text	(A)	(B)	(C)	(D)	(E)	VH260851
e. Figure out the theme of a text	(A)	(B)	(C)	(D)	(E)	VH260852
f. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	(A)	(B)	(C)	(D)	(E)	VH260857
g. Credit others for their ideas (for example, citing sources, using endnotes and footnotes in reports)	(A)	(B)	(C)	(D)	(E)	VH260858
h. Find text in a reading passage to help you answer a question on a test	(A)	(B)	(C)	(D)	(E)	VH260859
i. Recognize when you don't understand something you are reading	(A)	(B)	(C)	(D)	(E)	VH260861
j. Recognize the difference between fact and opinion in a text	(A)	(B)	(C)	(D)	(E)	VH260863
k. Critique an author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH260866
l. Use evidence in a text to support my answer	(A)	(B)	(C)	(D)	(E)	VH260867
m. Identify the author's perspective in a persuasive text	(A)	(B)	(C)	(D)	(E)	VH260868



27. 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)	(B)	(C)	(D)	(E)	VH260907
b. Go to my local library to borrow books (print or online)	(A)	(B)	(C)	(D)	(E)	VH260911
c. Read blogs	(A)	(B)	(C)	(D)	(E)	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	(A)	(B)	(C)	(D)	(E)	VH333261
e. Help friends with reading homework	(A)	(B)	(C)	(D)	(E)	VH260917

28. In this school year, did you participate in a book club?

- (A) Yes
- (B) No

29. Have you ever participated in a summer reading program?

- (A) Yes
- (B) No

30. Last summer, did you participate in a summer reading program?

- (A) Yes
- (B) No

31. 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)	(B)	(C)	(D)	(E)	VH260928
b. I want to show others that my English/language arts schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH260929
c. I want to look smart in comparison to the other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260930
d. I want to learn as much as possible in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260931
e. I want to master a lot of new skills in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260932
f. I want to pass my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260933
g. I want to become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
h. I want to get better grades than most other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260935
i. I want to get good grades in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260936
j. I want to avoid making mistakes in front of my classmates in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260937
k. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938
l. I want to hide how nervous I am about reading.	(A)	(B)	(C)	(D)	(E)	VH333328

32. In your English/language arts class 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 came to my English/ language arts class prepared.	(A)	(B)	(C)	(D)	(E)	VH260952
b. I remembered and followed directions from my English/ language arts teacher.	(A)	(B)	(C)	(D)	(E)	VH260953
c. I started working on reading assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH260954
d. I paid attention and resisted distractions during English/ language arts class.	(A)	(B)	(C)	(D)	(E)	VH260955
e. I stayed on task without reminders from my English/ language arts teacher.	(A)	(B)	(C)	(D)	(E)	VH260957
f. I paid attention in my English/language arts class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH260958

33. 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)	(B)	(C)	(D)	(E)	VH261066
b. Poems	(A)	(B)	(C)	(D)	(E)	VH261067
c. Plays	(A)	(B)	(C)	(D)	(E)	VH261068
d. Autobiographies	(A)	(B)	(C)	(D)	(E)	VH261069
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. Blogs or personal web pages	(A)	(B)	(C)	(D)	(E)	VH261073
h. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
i. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

VH240001

34. 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

VH240002

35. 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

VH240003

36. How important was it to you to do well on this test?
- Ⓐ Not very important
  - Ⓑ Somewhat important
  - Ⓒ Important
  - Ⓓ Very important

37. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

38. How many questions do you think you answered correctly on this test?

- Ⓐ None or almost none
- Ⓑ Some but less than half
- Ⓒ About half
- Ⓓ More than half but not all
- Ⓔ All or almost all

39. How similar were the questions on this test to the questions on your **English/language arts** quizzes and tests at school?

- Ⓐ Not similar at all
- Ⓑ Not similar
- Ⓒ Somewhat similar
- Ⓓ Quite similar
- Ⓔ Extremely similar

40. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

41. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

42. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

43. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

44. 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



## **Appendix H1i: 2015 Operational Grade 12 Reading**

# SECTION 4

## Section 4

This section has 13 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VB345622

1. Please indicate how much you **DISAGREE** or **AGREE** with the following statements about reading and writing. Fill in **one** oval on each line.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. When I read books, I learn a lot.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VB345623
b. Reading is one of my favorite activities.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VB345624
c. Reading is enjoyable.	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VE633189

VB379288

2. How often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Read for fun on your own time	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VB379289
b. Talk with your friends or family about something you have read	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VB379290

VB345648

3. For your **English** class so far this year, how many times have you done each of the following? Fill in **one** oval on each line.

	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	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	VB345650
b. Done a project about something that you have read (for example, written a play, created a website)	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	VB345651

Section 4

VE634877

4. How often do you receive help or tutoring with reading outside of your regular English/language arts class?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VC504013

5. In your English/language arts class this year, how often does your class do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Read aloud	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504014
b. Read silently	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504015
c. Discuss new or difficult vocabulary	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504016
d. Explain what we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504017
e. Work in pairs or small groups to talk about something that we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE589600
f. Read books we have chosen ourselves	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504019
g. Write a paragraph or more about what we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE589602
h. Discuss different interpretations of what we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504021



VC504022

6. 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? Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Summarize the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504023
b. Interpret the meaning of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504024
c. Question the motives or feelings of the characters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC504025
d. Identify the main themes or main ideas of the passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE589611
e. Evaluate the main arguments or evidence in a persuasive passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE589612
f. Analyze the author's organization of information in a passage	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE589613
g. Critique the author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607938

Section 4

VC504027

7. In your English/language arts class this year, how often do you use a computer to do each of the following? Fill in **one** oval on each line.

- |   | Never or hardly ever    | Once or twice a month   | Once or twice a week    | Every day or almost every day |          |
|---|-------------------------|-------------------------|-------------------------|-------------------------------|----------|
| a. Learn and practice vocabulary  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VC504028 |
| b. Write fictional stories  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VE589642 |
| c. Write informational reports  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VE589649 |
| d. Produce multimedia reports/projects  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VC504031 |
| e. Access reading-related websites (for example, websites with book reviews and lists of recommended books) | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VC504033 |
| f. Conduct research for reading and writing projects  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VC504034 |
| g. Read books or articles using a digital media device, such as an e-book reader or tablet computer         | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D       | VE589651 |

VE626880

8. Are you currently enrolled in or have you taken an Advanced Placement (AP®) course in English/language arts? Fill in ovals for **all** that apply.

- Ⓐ 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.
- Ⓒ No, I have never taken an Advanced Placement (AP) English/language arts course.

VE589658

9. Are you currently enrolled in or have you taken the International Baccalaureate® (IB) Language A1 course?

- Ⓐ Yes
- Ⓑ No

VC293008

10. Are you currently enrolled in or have you taken any online English/language arts courses for high school or college credit?

- Ⓐ Yes
- Ⓑ No

VB595182

11. 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

VC034559

12. 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

VB595184

13. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important



## **Appendix H-1j: 2016 Pilot Grade 4 Mathematics**

1. How often do you use a computer or other digital device (excluding hand-held calculators) for math **at 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

2. How often do you use a computer or other digital device for math homework?

- Ⓐ 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. How often do you use a computer or other digital device for 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



VH336228

4. How often do you use the Internet to learn things about 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

VH336231

5. How often do you **use a calculator**?

- Ⓐ 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

VH240035

6. How often do you **use a calculator**?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Almost every day

7. 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

8. How often do you receive help or tutoring with math outside of school or after school?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

9. This school year, how often do you use the following digital devices to work on math problems, including homework? 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. Hand-held calculator	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266782
b. Desktop or laptop computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266783
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266786
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266788
e. Other device (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266789

10. 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)	(B)	(C)	(D)	(E)	VH266809
b. Calculator app on a smartphone	(A)	(B)	(C)	(D)	(E)	VH266811
c. Calculator on a tablet	(A)	(B)	(C)	(D)	(E)	VH266812
d. Calculator on a desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH266813

11. 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.	(A)	(B)	(C)	(D)	(E)	VH267416
b. I used the Internet for my math work.	(A)	(B)	(C)	(D)	(E)	VH267417
c. My teacher used desktop or laptop computers when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH267418
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

12. In this school year, how often have you used a computer or other digital device (excluding hand-held 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

13. In this school year, how often have you used a computer or other digital device (excluding hand-held 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

14. In this school year, how often have you used a computer or other digital device (excluding hand-held calculators) to take an online practice test?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four to five times
  - Ⓔ More than five times

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	Exactly like me	
a. I enjoy doing math.	(A)	(B)	(C)	(D)	(E)	VH267479
b. I look forward to my math class.	(A)	(B)	(C)	(D)	(E)	VH267481
c. I am interested in the things I learned in math.	(A)	(B)	(C)	(D)	(E)	VH267483
d. I think making an effort in math is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH267485
e. I think math will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH267486
f. I think it is important to do well in math.	(A)	(B)	(C)	(D)	(E)	VH267487

16. 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	(A)	(B)	(C)	(D)	(E)	VH267499
b. Working with geometric figures like rectangles and squares	(A)	(B)	(C)	(D)	(E)	VH267505
c. Looking at patterns, graphs, and charts	(A)	(B)	(C)	(D)	(E)	VH267507

17. 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. Estimate the weight of 5 apples using pounds (lbs)	(A)	(B)	(C)	(D)	(E)	VH267674
b. Divide 42 stickers by 6 students	(A)	(B)	(C)	(D)	(E)	VH267675
c. Calculate how many square feet of tile you need to cover your classroom floor	(A)	(B)	(C)	(D)	(E)	VH267676
d. Estimate the area of your classroom floor using square feet	(A)	(B)	(C)	(D)	(E)	VH267680
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	(A)	(B)	(C)	(D)	(E)	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	(A)	(B)	(C)	(D)	(E)	VH267683

18. Thinking about math, do you think that you would be able to do each of the following **without a calculator**? 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. Estimate the weight of 5 apples using pounds (lbs)	(A)	(B)	(C)	(D)	(E)	VH336062
b. Divide 42 stickers by 6 students	(A)	(B)	(C)	(D)	(E)	VH336063
c. Calculate how many square feet of tile you need to cover your classroom floor	(A)	(B)	(C)	(D)	(E)	VH336064
d. Estimate the area of your classroom floor using square feet	(A)	(B)	(C)	(D)	(E)	VH336068
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	(A)	(B)	(C)	(D)	(E)	VH336070
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	(A)	(B)	(C)	(D)	(E)	VH336066

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

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Attend after-school tutoring with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268958
c. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

21. Have you ever helped your friends with their math homework?

- Ⓐ 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.

VH269015

23. Have you ever participated in a summer program for math?

- A Yes  
 B No

VH269016

24. Last summer, did you participate in a summer program for math?

- A Yes  
 B No

VH336087

25. Have you ever participated in a math study group?

- A Yes  
 B No

VH269039

26. Over the past seven days, how many days have you participated in a math study group? Enter the number of days.

27. 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)	(B)	(C)	(D)	(E)	VH269049
b. I want to show others that my math schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH269050
c. I want to look smart in comparison to the other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269053
d. I want to master a lot of new skills in my math class.	(A)	(B)	(C)	(D)	(E)	VH269055
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to get better grades than most other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269058
g. I want to learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
h. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060
i. I want to pass my math class.	(A)	(B)	(C)	(D)	(E)	VH327502
j. I want to get good grades in my math class.	(A)	(B)	(C)	(D)	(E)	VH327503
k. I want to hide how nervous I am about math.	(A)	(B)	(C)	(D)	(E)	VH327504
l. I want to avoid making mistakes in front of my classmates in my math class.	(A)	(B)	(C)	(D)	(E)	VH327505

28. In your math class 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 came to my math class prepared.	(A)	(B)	(C)	(D)	(E)	VH336093
b. I remembered and followed directions from my math teacher.	(A)	(B)	(C)	(D)	(E)	VH336094
c. I started working on my math assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH336095
d. I paid attention and resisted distractions during math class.	(A)	(B)	(C)	(D)	(E)	VH336096
e. I stayed on task without reminders from my math teacher.	(A)	(B)	(C)	(D)	(E)	VH336097
f. I paid attention in my math class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH336099

29. 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 math?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

30. For school this year, how often do you work in pairs or small groups to talk about something that you have done in 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.

31. 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

VH240002

32. 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

VH240003

33. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

VH260313

34. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

35. How many questions do you think you answered correctly on this test?

- Ⓐ None or almost none
- Ⓑ Some but less than half
- Ⓒ About half
- Ⓓ More than half but not all
- Ⓔ All or almost all

36. How similar were the questions on this test to the questions on your **math** quizzes and tests at school?

- Ⓐ Not similar at all
- Ⓑ Not similar
- Ⓒ Somewhat similar
- Ⓓ Quite similar
- Ⓔ Extremely similar

37. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

38. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

39. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

40. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

41. 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



## **Appendix H-1k: 2016 Pilot Grade 8 Mathematics**

1. How often do you use a computer or other digital device (excluding hand-held calculators) for math **at 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

2. 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

3. How often do you receive help or tutoring with math outside of school or after school?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

4. What math class are you taking this year? Select **one or more** answer choices.

- Ⓐ Eighth-grade math
- Ⓑ General eighth-grade math
- Ⓒ Algebra I course
- Ⓓ First year of a two-year algebra course
- Ⓔ Second year of a two-year algebra course
- Ⓕ Algebra I (one-year course)
- Ⓖ Algebra II
- Ⓗ Geometry
- Ⓘ Other

5. What math class do you expect to take next year?

- Ⓐ Geometry
- Ⓑ Algebra II
- Ⓒ Algebra I (one-year course)
- Ⓓ First year of a two-year Algebra I course
- Ⓔ Second year of a two-year Algebra I course
- Ⓕ Introduction to algebra or pre-algebra
- Ⓖ Basic or general math
- Ⓗ Business or consumer math
- Ⓘ Other math class
- Ⓚ I don't know.

6. When you are doing math for school or homework, how often do you use these **different types of computer programs**? Select **one** answer choice on each row.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. A spreadsheet program for math class assignments	(A)	(B)	(C)	(D)	(E)	VH240802
b. A program to practice or drill on math facts (addition, subtraction, multiplication, division)	(A)	(B)	(C)	(D)	(E)	VH240785
c. A program that presents new math lessons with problems to solve	(A)	(B)	(C)	(D)	(E)	VH240787
d. A calculator program to solve or check problems for math class	(A)	(B)	(C)	(D)	(E)	VH240788
e. A graphing program to make charts or graphs for math class	(A)	(B)	(C)	(D)	(E)	VH240789
f. A statistical program to calculate patterns such as correlations or cross tabulations	(A)	(B)	(C)	(D)	(E)	VH240791
g. A word processing program to write papers for math class	(A)	(B)	(C)	(D)	(E)	VH240783
h. A program to work with geometric shapes for math class	(A)	(B)	(C)	(D)	(E)	VH240792
i. The Internet to learn things for math class	(A)	(B)	(C)	(D)	(E)	VH240786

7. How often do you use e-mail, instant messages, blogs, or text messages to do any of the following? Select **one** answer choice on each row.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Talk online with friends about math work	(A)	(B)	(C)	(D)	(E)	VH240805
b. Get help with math from someone other than your teacher, family, classmates, or friends	(A)	(B)	(C)	(D)	(E)	VH240806

8. This school year, how often do you use the following digital devices to work on math problems, including homework? 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. Hand-held calculator	(A)	(B)	(C)	(D)	(E)	VH266782
b. Desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH266783
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH266786
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	(A)	(B)	(C)	(D)	(E)	VH266788
e. Other device (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH266789

9. 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)	(B)	(C)	(D)	(E)	VH266809
b. Graphing calculator	(A)	(B)	(C)	(D)	(E)	VH266810
c. Calculator app on a smartphone	(A)	(B)	(C)	(D)	(E)	VH266811
d. Calculator on a tablet	(A)	(B)	(C)	(D)	(E)	VH266812
e. Calculator on a desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH266813

10. 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.	(A)	(B)	(C)	(D)	(E)	VH267416
b. I used the Internet for my math work.	(A)	(B)	(C)	(D)	(E)	VH267417
c. My teacher used desktop or laptop computers when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH267418
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

11. In this school year, how often have you used a computer or other digital device (excluding hand-held 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

12. In this school year, how often have you used a computer or other digital device (excluding hand-held 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

13. In this school year, how often have you used a computer or other digital device (excluding hand-held calculators) to take an online practice test?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four to five times
  - Ⓔ More than five times

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	Exactly like me	
a. I enjoy doing math.	(A)	(B)	(C)	(D)	(E)	VH267479
b. I look forward to my math class.	(A)	(B)	(C)	(D)	(E)	VH267481
c. I am interested in the things I learned in math.	(A)	(B)	(C)	(D)	(E)	VH267483
d. I think making an effort in math is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH267485
e. I think math will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH267486
f. I think it is important to do well in math.	(A)	(B)	(C)	(D)	(E)	VH267487



15. 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	(A)	(B)	(C)	(D)	(E)	VH267499
b. Finding areas of shapes and figures	(A)	(B)	(C)	(D)	(E)	VH267501
c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	(A)	(B)	(C)	(D)	(E)	VH267502
d. Solving equations or simplifying expressions	(A)	(B)	(C)	(D)	(E)	VH267503
e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	(A)	(B)	(C)	(D)	(E)	VH267504
f. Working with geometric figures like rectangles and squares	(A)	(B)	(C)	(D)	(E)	VH267505
g. Looking at patterns, graphs, and charts	(A)	(B)	(C)	(D)	(E)	VH267507

16. 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. Estimate the weight of 5 apples using pounds (lbs)	(A)	(B)	(C)	(D)	(E)	VH267674
b. Divide 42 stickers by 6 students	(A)	(B)	(C)	(D)	(E)	VH267675
c. Calculate how many square feet of tile you need to cover your classroom floor	(A)	(B)	(C)	(D)	(E)	VH267676
d. Determine a 20 percent tip of a 67 dollar restaurant dinner bill	(A)	(B)	(C)	(D)	(E)	VH267679
e. Estimate the area of your classroom floor using square feet	(A)	(B)	(C)	(D)	(E)	VH267680
f. Describe the properties shared by every isosceles right triangle	(A)	(B)	(C)	(D)	(E)	VH267681
g. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	(A)	(B)	(C)	(D)	(E)	VH267682
h. 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	(A)	(B)	(C)	(D)	(E)	VH267683

17. Thinking about math, do you think that you would be able to do each of the following **without a calculator**? 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. Estimate the weight of 5 apples using pounds (lbs)	(A)	(B)	(C)	(D)	(E)	VH336062
b. Divide 42 stickers by 6 students	(A)	(B)	(C)	(D)	(E)	VH336063
c. Calculate how many square feet of tile you need to cover your classroom floor	(A)	(B)	(C)	(D)	(E)	VH336064
d. Determine a 20 percent tip of a 67 dollar restaurant dinner bill	(A)	(B)	(C)	(D)	(E)	VH336067
e. Estimate the area of your classroom floor using square feet	(A)	(B)	(C)	(D)	(E)	VH336068
f. Describe the properties shared by every isosceles right triangle	(A)	(B)	(C)	(D)	(E)	VH336069
g. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	(A)	(B)	(C)	(D)	(E)	VH336070
h. 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	(A)	(B)	(C)	(D)	(E)	VH336066

18. 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

19. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Program computers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268949
c. Attend after-school tutoring with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268958
d. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
e. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

20. Have you ever helped your friends with their math homework?

- Ⓐ Yes
- Ⓑ No

VH269037

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

VH269015

22. Have you ever participated in a summer program for math?

- A Yes  
 B No

VH269016

23. Last summer, did you participate in a summer program for math?

- A Yes  
 B No

VH336087

24. Have you ever participated in a math study group?

- A Yes  
 B No

VH269039

25. Over the past seven days, how many days have you participated in a math study group? Enter the number of days.

26. 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)	(B)	(C)	(D)	(E)	VH269049
b. I want to show others that my math schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH269050
c. I want to look smart in comparison to the other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269053
d. I want to master a lot of new skills in my math class.	(A)	(B)	(C)	(D)	(E)	VH269055
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to get better grades than most other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269058
g. I want to learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
h. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060
i. I want to pass my math class.	(A)	(B)	(C)	(D)	(E)	VH327502
j. I want to get good grades in my math class.	(A)	(B)	(C)	(D)	(E)	VH327503
k. I want to hide how nervous I am about math.	(A)	(B)	(C)	(D)	(E)	VH327504
l. I want to avoid making mistakes in front of my classmates in my math class.	(A)	(B)	(C)	(D)	(E)	VH327505

27. In your math class 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 came to my math class prepared.	(A)	(B)	(C)	(D)	(E)	VH336093
b. I remembered and followed directions from my math teacher.	(A)	(B)	(C)	(D)	(E)	VH336094
c. I started working on my math assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH336095
d. I paid attention and resisted distractions during math class.	(A)	(B)	(C)	(D)	(E)	VH336096
e. I stayed on task without reminders from my math teacher.	(A)	(B)	(C)	(D)	(E)	VH336097
f. I paid attention in my math class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH336099

28. For school this year, how often do you work in pairs or small groups to talk about something that you have done in 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.

29. 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

30. 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



31. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

32. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

33. How many questions do you think you answered correctly on this test?

- Ⓐ None or almost none
- Ⓑ Some but less than half
- Ⓒ About half
- Ⓓ More than half but not all
- Ⓔ All or almost all

34. How similar were the questions on this test to the questions on your **math** quizzes and tests at school?
- Ⓐ Not similar at all
  - Ⓑ Not similar
  - Ⓒ Somewhat similar
  - Ⓓ Quite similar
  - Ⓔ Extremely similar

35. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

36. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

37. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

38. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

39. 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

## **Appendix H-11: 2015 Operational Grade 12 Mathematics**

# SECTION 4

## Section 4

This section has 18 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VC298762

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. Fill in **one** oval on each line. **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).

	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. <b>Basic</b> or <b>general</b> mathematics course	(A)	(B)	(C)	(D)	(E)	(F)	VC298769
b. <b>Tech-prep</b> mathematics, <b>business</b> mathematics, <b>consumer</b> mathematics, or other <b>applied mathematics</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC298847
c. <b>Introduction to algebra</b> or <b>pre-algebra</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC299007
d. <b>Algebra I</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC299008
e. <b>Geometry</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC299009
f. <b>Algebra II</b> course, <b>with or without trigonometry</b>	(A)	(B)	(C)	(D)	(E)	(F)	VC299010
g. <b>Trigonometry</b> (as a separate course)	(A)	(B)	(C)	(D)	(E)	(F)	VC299012
h. <b>Pre-calculus</b> course (also called introductory analysis)	(A)	(B)	(C)	(D)	(E)	(F)	VE593389
i. <b>Integrated</b> mathematics 1 (first year of a multi-year course)	(A)	(B)	(C)	(D)	(E)	(F)	VF269035
j. <b>Integrated</b> mathematics 2 (second year of a multi-year course)	(A)	(B)	(C)	(D)	(E)	(F)	VF269036

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	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.	
k. <b>Integrated</b> mathematics 3 (third year of a multi-year course)	(A)	(B)	(C)	(D)	(E)	(F)	VF269037
l. <b>Integrated</b> mathematics 4 (fourth year of a multi-year course)	(A)	(B)	(C)	(D)	(E)	(F)	VF269038
m. <b>Probability or statistics</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC299032
n. <b>Calculus</b> course	(A)	(B)	(C)	(D)	(E)	(F)	VC299033
o. <b>Computer programming</b> course (such as C++, Visual Basic, etc.)	(A)	(B)	(C)	(D)	(E)	(F)	VE593398
p. <b>Other</b> mathematics course (specify): _____ _____	(A)	(B)	(C)	(D)	(E)	(F)	VE593395



VE593403

2. Are you currently enrolled in or have you taken any of the following Advanced Placement (AP®) courses? Fill in ovals for **all** that apply.

- Ⓐ Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.
- Ⓑ Yes, I am enrolled in or have taken Advanced Placement (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.

VE593756

3. Are you currently enrolled in or have you taken an International Baccalaureate® (IB) mathematics course?

- Ⓐ Yes
- Ⓑ No

VB543297

4. Are you currently enrolled in or have you taken any **online** mathematics courses for **high school or college credit**?

- Ⓐ Yes
- Ⓑ No

VC288225

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.



VC189706

6. Please indicate how much you DISAGREE or AGREE with the following statements. Fill in **one** oval on each line.

- |   | Strongly<br>disagree | Disagree | Agree | Strongly<br>agree |          |
|---|----------------------|----------|-------|-------------------|----------|
| a. Mathematics is one of my favorite subjects.                        | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VC189711 |
| b. I take mathematics because it will help me in the future.          | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VC189713 |
| c. I take mathematics to meet my high school graduation requirements. | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VE634987 |

VB517284

7. Are you currently taking a mathematics course?

- Ⓐ Yes → Go to Question 8.  
 Ⓑ No → Skip to Question 15.

VE634875

8. How often do you receive help or tutoring with mathematics outside of your regular mathematics class?

- Ⓐ Never or hardly ever  
 Ⓑ Once or twice a month  
 Ⓒ Once or twice a week  
 Ⓓ Every day or almost every day

VC497572

9. How often do you feel the following way in your mathematics class? Fill in **one** oval on each line.

- |  | Never<br>or hardly<br>ever | Sometimes | Often | Always<br>or almost<br>always |          |
|--|----------------------------|-----------|-------|-------------------------------|----------|
| a. I have a clear understanding of what my mathematics teacher is asking me to do. | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC497573 |
| b. The mathematics work is too easy.   | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC497574 |
| c. The mathematics work is challenging.  | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC497575 |
| d. The mathematics work is engaging and interesting.                               | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC497576 |
| e. I am learning mathematics.  | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VE593449 |

VB517159

10. How often do you use these different types of calculators in your mathematics class? Fill in **one** oval on each line.

	Never Use	Sometimes, but not often	Usually use	
a. Basic four-function (addition, subtraction, multiplication, division)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB517160
b. Scientific (not graphing)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB517161
c. Graphing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB517282

VE593461

11. How often do you use a calculator to perform the following tasks for the mathematics course you are currently taking? Fill in **one** oval on each line.

	Never or hardly ever	Sometimes	Often	Always or almost always	
a. To perform basic numeric operations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593464
b. To graph equations or inequalities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593465
c. To evaluate functions (e.g., exponential, logarithmic, trigonometric)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593466
d. To calculate probabilities or statistical measures	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593467
e. To create statistical representations (charts and graphs, etc.)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593469
f. To use a computer algebra system (CAS)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593471
g. To perform matrix operations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593472
h. To perform business/financial calculations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593473
i. To explore geometric concepts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE593474

Section 4

VB517158

12. When you take a mathematics test or quiz, how often do you use a calculator?

- Ⓐ Never
- Ⓑ Sometimes
- Ⓒ Always

VB543155

13. When you are doing mathematics for school or homework, how often do you use these **different types of computer programs**? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. A spreadsheet program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VF094885
b. A database program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VF094889
c. A mathematics tutorial program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE593747
d. A graphing program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE593748
e. A statistical program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE593749
f. A dynamic geometry program	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE593753
g. A computer algebra system (CAS)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE593754

VC189613

14. How often do you use e-mail, instant messages, blogs, or text messages to do any of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day
--	----------------------------	----------------------------	-------------------------	---------------------------------	-------------------------------------

a. Talk online with friends  
about mathematics work

(A)       (B)       (C)       (D)       (E)

VC299268

b. Get help with mathematics  
from someone other than  
your teacher, family,  
classmates, or friends

(A)       (B)       (C)       (D)       (E)

VC189627

VE593425

15. What kind of calculator did you use for  
this test?

- (A) I did not use a calculator for this  
test.
- (B) NAEP-provided scientific  
calculator
- (C) Scientific (not graphing) calculator
- (D) Graphing calculator (with or  
without a computer algebra  
system [CAS])

VB595182

16. How hard was this test compared to  
most other tests you have taken this  
year in school?

- (A) Easier than other tests
- (B) About as hard as other tests
- (C) Harder than other tests
- (D) Much harder than other tests

VC034559

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?

- (A) Not as hard as on other tests
- (B) About as hard as on other tests
- (C) Harder than on other tests
- (D) Much harder than on other tests

VB595184

18. How important was it to you to do well  
on this test?

- (A) Not very important
- (B) Somewhat important
- (C) Important
- (D) Very important



## **Appendix H-1m: 2015 Operational Grade 4 Science**

# SECTION 4

## Section 4

This section has 32 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

1. In this school year, how often have you done activities or projects in science? VC315287
- Ⓐ Never or hardly ever
  - Ⓑ Once every few weeks
  - Ⓒ About once a week
  - Ⓓ Two or three times a week
  - Ⓔ Every day or almost every day
2. In this school year, have you done activities or projects to learn about living things (for example, plants, animals, bacteria)? VH157864
- Ⓐ Yes
  - Ⓑ No
3. In this school year, have you done activities or projects to learn about electricity (for example, circuits, batteries, and light bulbs)? VH157868
- Ⓐ Yes
  - Ⓑ No
4. In this school year, have you done activities or projects to learn about chemicals (for example, mixing sugar or salt in water)? VH157871
- Ⓐ Yes
  - Ⓑ No

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VH157875

5. In this school year, have you done activities or projects to learn about rocks or minerals (for example, looking at different rocks)?

- Ⓐ Yes
- Ⓑ No

VH157879

6. In this school year, how often have you done science activities using scientific tools (for example, telescopes, microscopes, thermometers, or weighing scales)?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315232

7. In this school year, how often have you read a science textbook?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315239

8. In this school year, how often have you read a book or magazine about 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

VC519400

9. In this school year, how often have you read about science on the computer?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315248

10. In this school year, how often have you watched a movie, video, or DVD about 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

VC315249

11. In this school year, how often have you discussed news stories about 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

VC315270

12. In this school year, how often have you worked with other students on a science activity or project?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315259

13. In this school year, how often have you presented what you learned about science to your class?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315256

14. In this school year, how often have you taken a science test or quiz?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC315288

15. In this school year, how often have you talked about measurements or results from your science activities or projects?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VF633162

16. In this school year, how often have you been asked to write about your science activities or projects (such as reports, science journals, or lab write-ups)?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day



Section 4

VH142438

17. In 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

VC546453

18. In this school year, how often have you talked with your teacher about how you are doing in 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

VH157884

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)?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC546463

20. In this school year, how often have you used computers 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

VC315410

21. How often do you do science activities that are not for schoolwork?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VC315291

22. How often do you feel you can understand what the teacher talks about in science class?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

23. How often do you feel you can do a good job on your science tests?  
VC315292
- Ⓐ Never or hardly ever
  - Ⓑ Sometimes
  - Ⓒ Often
  - Ⓓ Always or almost always
24. How often do you feel you can do a good job on your science assignments?  
VC315294
- Ⓐ Never or hardly ever
  - Ⓑ Sometimes
  - Ⓒ Often
  - Ⓓ Always or almost always
25. How much do you like studying science?  
VC315299
- Ⓐ Very little
  - Ⓑ Some
  - Ⓒ Quite a bit
  - Ⓓ Very much
26. How often do you feel science is one of your favorite subjects?  
VC315302
- Ⓐ Never or hardly ever
  - Ⓑ Sometimes
  - Ⓒ Often
  - Ⓓ Always or almost always
27. In this school year, have you participated in a science club, a science fair, or a science competition?  
VF640468
- Ⓐ Yes
  - Ⓑ No
28. In this school year, have you visited a museum, zoo, or aquarium to learn about science on a school trip?  
VF633304
- Ⓐ Yes
  - Ⓑ No
29. In this school year, have you visited a museum, zoo, or aquarium to learn about science that was **not** on a school trip?  
VF633276
- Ⓐ Yes
  - Ⓑ No
30. How hard was this test compared to most other tests you have taken this year in school?  
VB595182
- Ⓐ Easier than other tests
  - Ⓑ About as hard as other tests
  - Ⓒ Harder than other tests
  - Ⓓ Much harder than other tests

Section 4

VC034559

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?

- Ⓐ 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

VB595184

32. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important



## **Appendix H-1n: 2015 Operational Grade 8 Science**

# SECTION 4

## Section 4

This section has 19 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VC304978

1. In your science class this year, which of the following topics have been covered? Fill in **one** oval on each line.

	Yes	No	
a. Life science (for example, biology, the human body, or ecology)	<input type="radio"/> A	<input type="radio"/> B	VC304982
b. Physical science (for example, energy, physics, or chemistry)	<input type="radio"/> A	<input type="radio"/> B	VC304983
c. Earth and space science (for example, geology or astronomy)	<input type="radio"/> A	<input type="radio"/> B	VC304984
d. Engineering and technology (for example, designing solutions to problems)	<input type="radio"/> A	<input type="radio"/> B	VC304985

VF633079

2. In your science class this year, how often have you done hands-on activities or projects with any of the following? Fill in **one** oval on each line.

	Never	Rarely	Sometimes	Often	
a. Living things (for example, plants, animals, bacteria)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633080
b. Electricity (for example, circuits, batteries, and light bulbs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633083
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633082
d. Rocks or minerals (for example, identifying types)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633087
e. Simple machines (for example, pulleys and levers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633086
f. Magnifying glass or microscope (for looking at small things)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633084
g. Thermometer or barometer (for making measurements)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633085

Section 4

VC305292

3. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Read a science textbook, in class or at home	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC546510
b. Read a book or magazine about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF633095
c. Use the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF633097
d. Watch a movie, video, or DVD about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF633099

VC304769

4. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Discuss events in the news that are related to what you are learning in science class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC304771
b. Work with other students on a science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC304772
c. Present what you learned about science to your class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC304778
d. Take a science test or quiz	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720564



5. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Identify questions that can be addressed through science experiments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720623
b. Design a science experiment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720634
c. Talk about measurements you took for your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720635
d. Talk about the results of your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720636
e. Watch your teacher do a science experiment or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720638
f. Make graphs or charts of the results from your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720639
g. Write about your science activities or projects (such as reports, science journals, or lab write-ups)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF633111

Section 4

VH142438

6. In 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

VC546453

7. In this school year, how often have you talked with your teacher about how you are doing in 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

VH157884

8. 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)?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC546463

9. In this school year, how often have you used computers 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





VC315291

10. How often do you feel you can understand what the teacher talks about in science class?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VC315294

12. How often do you feel you can do a good job on your science assignments?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

VC315292

11. How often do you feel you can do a good job on your science tests?

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

Section 4

VC305330

13. Please indicate how much you DISAGREE or AGREE with the following statements about science. Fill in **one** oval on each line.

- |   | Strongly disagree       | Disagree                | Agree                   | Strongly agree          |          |
|---|-------------------------|-------------------------|-------------------------|-------------------------|----------|
| a. I do science-related activities that are not for schoolwork. | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VC305348 |
| b. I like science.  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VC305350 |
| c. Science is one of my favorite subjects.                      | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VC305351 |
| d. I take science only because I have to.                       | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VC305352 |
| e. I need to do well in science to get the job I want.          | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VH142495 |
| f. I would like a job that involves using science.              | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | VH142499 |

VF633128

14. In this school year, have you participated in any of the following activities? Fill in **one** oval on each line.

- |                        | Yes                     | No                      |          |
|------------------------|-------------------------|-------------------------|----------|
| a. Science fair        | <input type="radio"/> A | <input type="radio"/> B | VF633132 |
| b. Science club        | <input type="radio"/> A | <input type="radio"/> B | VF633134 |
| c. Science competition | <input type="radio"/> A | <input type="radio"/> B | VF633135 |

VF633304

VF633276

15. In this school year, have you visited a museum, zoo, or aquarium to learn about science on a school trip?

- A Yes
- B No

16. In this school year, have you visited a museum, zoo, or aquarium to learn about science that was **not** on a school trip?

- A Yes
- B No



VB595182

17. 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

VC034559

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?

- Ⓐ 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

VB595184

19. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important



## **Appendix H-1o: 2015 Operational Grade 12 Science**

# SECTION 4

## Section 4

This section has 23 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

VC305768

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. Fill in **one** oval on each line. **INCLUDE** courses taken in summer school, but **DO NOT INCLUDE** topics that were only taught as part of a longer course.

	Course not taken	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. Earth and space science	(A)	(B)	(C)	(D)	(E)	(F)	VC305813
b. Life science (other than biology)	(A)	(B)	(C)	(D)	(E)	(F)	VC305814
c. Physical science (other than chemistry or physics)	(A)	(B)	(C)	(D)	(E)	(F)	VC305815
d. General science	(A)	(B)	(C)	(D)	(E)	(F)	VC305817
e. First-year biology	(A)	(B)	(C)	(D)	(E)	(F)	VC305819
f. Second-year biology	(A)	(B)	(C)	(D)	(E)	(F)	VC305820
g. First-year chemistry	(A)	(B)	(C)	(D)	(E)	(F)	VC305821
h. Second-year chemistry	(A)	(B)	(C)	(D)	(E)	(F)	VC305822
i. First-year physics	(A)	(B)	(C)	(D)	(E)	(F)	VC305823
j. Second-year physics	(A)	(B)	(C)	(D)	(E)	(F)	VC305825
k. Engineering and technology	(A)	(B)	(C)	(D)	(E)	(F)	VC305826
l. Other science course	(A)	(B)	(C)	(D)	(E)	(F)	VC305829

Section 4

ID110276

2. Are you currently enrolled in or have you taken International Baccalaureate® courses in science?

- Ⓐ Yes
- Ⓑ No

VC304768

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

- Ⓐ Yes
- Ⓑ No

ID110275

4. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for **all** that apply.

- Ⓐ Yes, I am enrolled in or have taken Advanced Placement Biology.
- Ⓑ Yes, I am enrolled in or have taken Advanced Placement Environmental Science.
- Ⓒ Yes, I am enrolled in or have taken Advanced Placement Chemistry.
- Ⓓ Yes, I am enrolled in or have taken Advanced Placement Physics B or C.
- Ⓔ Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB.
- Ⓕ No, I have never taken an Advanced Placement science course.

VC305330

5. Please indicate how much you DISAGREE or AGREE with the following statements about science. Fill in **one** oval on each line.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. I do science-related activities that are not for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305348
b. I like science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305350
c. Science is one of my favorite subjects.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305351
d. I take science only because I have to.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305352
e. I need to do well in science to get the job I want.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142495
f. I would like a job that involves using science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142499

VC720597

6. Are you currently taking a science course?

- A Yes → Go to Question 7.
- B No → Skip to Question 18.

VF633079

7. In your science class this year, how often have you done hands-on activities or projects with any of the following? Fill in **one** oval on each line.

	Never	Rarely	Sometimes	Often	
a. Living things (for example, plants, animals, bacteria)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633080
b. Electricity (for example, circuits, batteries, and light bulbs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633083
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633082
d. Rocks or minerals (for example, identifying types)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633087
e. Simple machines (for example, pulleys and levers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633086
f. Magnifying glass or microscope (for looking at small things)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633084
g. Thermometer or barometer (for making measurements)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633085

VC305292

8. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Read a science textbook, in class or at home	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC546510
b. Read a book or magazine about science topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VF633095
c. Use the Internet to learn about science topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VF633097
d. Watch a movie, video, or DVD about science topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VF633099



VC304769

9. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Discuss events in the news that are related to what you are learning in science class	(A)	(B)	(C)	(D)	(E)	VC304771
b. Work with other students on a science project or activity	(A)	(B)	(C)	(D)	(E)	VC304772
c. Present what you learned about science to your class	(A)	(B)	(C)	(D)	(E)	VC304778
d. Take a science test or quiz	(A)	(B)	(C)	(D)	(E)	VC720564

10. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Identify questions that can be addressed through science experiments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720623
b. Design a science experiment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720634
c. Talk about measurements you took for your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720635
d. Talk about the results of your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720636
e. Watch your teacher do a science experiment or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720638
f. Make graphs or charts of the results from your science project or activity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC720639
g. Write about your science activities or projects (such as reports, science journals, or lab write-ups)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF633111

VH142438

11. In 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

VC546453

12. In this school year, how often have you talked with your teacher about how you are doing in 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

VH157884

13. 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)?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day or almost every day

VC546463

14. In this school year, how often have you used computers 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

Section 4

15. How often do you feel you can understand what the teacher talks about in science class?

VC315291

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

17. How often do you feel you can do a good job on your science assignments?

VC315294

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

16. How often do you feel you can do a good job on your science tests?

VC315292

- Ⓐ Never or hardly ever
- Ⓑ Sometimes
- Ⓒ Often
- Ⓓ Always or almost always

18. In this school year, have you participated in any of the following activities? Fill in **one** oval on each line.

VF633128

a. Science fair

Yes

No

Ⓐ

Ⓑ

VF633132

b. Science club

Ⓐ

Ⓑ

VF633134

c. Science competition

Ⓐ

Ⓑ

VF633135

VF633304

19. In this school year, have you visited a museum, zoo, or aquarium to learn about science on a school trip?

- A Yes
- B No

VF633276

20. In this school year, have you visited a museum, zoo, or aquarium to learn about science that was **not** on a school trip?

- A Yes
- B No

VB595182

21. How hard was this test compared to most other tests you have taken this year in school?

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

VC034559

22. 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?

- A Not as hard as on other tests
- B About as hard as on other tests
- C Harder than on other tests
- D Much harder than on other tests

VB595184

23. How important was it to you to do well on this test?

- A Not very important
- B Somewhat important
- C Important
- D Very important



## **Appendix H-1p: 2012 Pilot Grade 4 Writing**

# SECTION 4

## Section 4

This section has 19 questions. Select only **one** circle for each question except where instructed otherwise.

1. In a day, about how much time do you spend writing **on paper** for school assignments? <sup>VE588764</sup>
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour
2. In a day, about how much time do you spend writing **on a computer** for school assignments? <sup>VE594192</sup>
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour
3. In a day, about how much time do you spend writing **on paper** on your own and not for school—for example, writing stories or keeping a journal? <sup>VE588767</sup>
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour
4. In a day, about how much time do you spend writing **on a computer** on your own and not for school—for example, writing stories, keeping a journal, e-mailing, or blogging? <sup>VE594203</sup>
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour
5. For school this year, how often do you write to explain something you have read or know about? <sup>VE634283</sup>
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
6. For school this year, how often do you write about your own experiences? <sup>VE588769</sup>
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week

Section 4

7. For school this year, how often do you write to convince or persuade someone? VE607040
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
8. For school this year, how often do you write letters? VE588781
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
9. For school this year, how often do you write stories? VE588783
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
10. For school this year, how often do you write reports? VE607045
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
11. For school this year, how often do you look for information on the Internet to include in your writing? VE588793
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week
12. For school this year, how often do you look for pictures, sounds, or video files on the Internet to help you with your writing? VE607048
- Ⓐ Never or hardly ever
  - Ⓑ A few times a year
  - Ⓒ Once or twice a month
  - Ⓓ At least once a week





13. How often do you write to your friends or family using the Internet—for example, e-mails, blogs, text messages, instant messages, or personal web pages?  
VE588797
- Ⓐ Never or hardly ever
  - Ⓑ Once or twice a month
  - Ⓒ Once or twice a week
  - Ⓓ Every day or almost every day
14. Writing is one of my favorite activities.  
VE588804
- Ⓐ This is not like me.
  - Ⓑ This is a little like me.
  - Ⓒ This is a lot like me.
15. Writing allows me to express my ideas.  
VE588806
- Ⓐ This is not like me.
  - Ⓑ This is a little like me.
  - Ⓒ This is a lot like me.
16. How do you prefer to take a writing test?  
VE634284
- Ⓐ On computer
  - Ⓑ On paper
  - Ⓒ It does not matter.
17. How hard was this test compared to most other tests you have taken this year in school?  
VE401773
- Ⓐ Easier than other tests
  - Ⓑ About as hard as other tests
  - Ⓒ Harder than other tests
  - Ⓓ Much harder than other tests
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?  
VE401776
- Ⓐ 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
19. How important was it to you to do well on this test?  
VE401779
- Ⓐ Not very important
  - Ⓑ Somewhat important
  - Ⓒ Important
  - Ⓓ Very important



## **Appendix H-1q: 2016 Pilot Grade 8 Writing**

1. When you work on a **longer writing assignment** (for example, an assignment of two or more pages), how often do you typically do 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. Organize my ideas before I write (for example, by creating an outline)	(A)	(B)	(C)	(D)	(E)	VH312137
b. Write a first draft	(A)	(B)	(C)	(D)	(E)	VH312140
c. Reread and revise my draft writing	(A)	(B)	(C)	(D)	(E)	VH312141
d. Use word processing software to revise my own writing (for example, to use the backspace key or cut, copy, and paste text using the computer keyboard)	(A)	(B)	(C)	(D)	(E)	VH312791
e. Use a spell-check in word processing software	(A)	(B)	(C)	(D)	(E)	VH312792
f. Use a thesaurus or dictionary in word processing software	(A)	(B)	(C)	(D)	(E)	VH312795

2. In your English/language arts class this year, how often do you get the following **writing** 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. Assignments that you have to complete under a strict time limit	(A)	(B)	(C)	(D)	(E)	VH311859
b. Assignments that you have to complete within one session	(A)	(B)	(C)	(D)	(E)	VH311876
c. Assignments that you can work on over extended periods of time (for example, several class periods)	(A)	(B)	(C)	(D)	(E)	VH311881
d. Assignments that you have to complete together with other students	(A)	(B)	(C)	(D)	(E)	VH312058
e. Assignments that you have to complete on a desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH312062
f. Assignments of two or more pages (for example, a paper or report)	(A)	(B)	(C)	(D)	(E)	VH312074

3. In your English/language arts class this year, how often do you **practice** 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	
a. Using correct grammar in writing	(A)	(B)	(C)	(D)	(E)	VH312797
b. Using new vocabulary in writing	(A)	(B)	(C)	(D)	(E)	VH312801
c. Typing on a keyboard	(A)	(B)	(C)	(D)	(E)	VH312802
d. Using word processing software to edit and revise text	(A)	(B)	(C)	(D)	(E)	VH312803
e. Organizing ideas in writing (for example, outlining the order of my ideas before writing, re-organizing my ideas when I revise)	(A)	(B)	(C)	(D)	(E)	VH312806
f. Writing for different audiences or readers	(A)	(B)	(C)	(D)	(E)	VH312807
g. Writing for different purposes (for example, writing to persuade or writing to explain)	(A)	(B)	(C)	(D)	(E)	VH312808
h. Writing different forms of text (for example, an essay, letter, or story)	(A)	(B)	(C)	(D)	(E)	VH313344
i. Citing sources correctly in writing	(A)	(B)	(C)	(D)	(E)	VH313380
j. Improving writing by revising first drafts	(A)	(B)	(C)	(D)	(E)	VH313384
k. Using details to develop ideas in writing	(A)	(B)	(C)	(D)	(E)	VH313385

4. In your English/language arts class this year, how often do you use each of the following for writing? 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. Paper and pen/pencil	(A)	(B)	(C)	(D)	(E)	VH314232
b. Desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH314234
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314235
d. Other digital device (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314238

5. How often do you use each of the following for writing **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. Paper and pen/pencil	(A)	(B)	(C)	(D)	(E)	VH314383
b. Desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH314385
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314386
d. Other digital device (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314387

6. During this school year, how often do you do each of the following **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. Participate in online discussions on a website (for example, in forums or social networks)	(A)	(B)	(C)	(D)	(E)	VH314694
b. Write for a blog, website, or online newspaper	(A)	(B)	(C)	(D)	(E)	VH314695
c. Practice my keyboarding skills	(A)	(B)	(C)	(D)	(E)	VH314701
d. Write journal entries	(A)	(B)	(C)	(D)	(E)	VH314702
e. Get tutoring to improve my writing	(A)	(B)	(C)	(D)	(E)	VH314703
f. Help others with their writing	(A)	(B)	(C)	(D)	(E)	VH314708
g. Engage in other writing activities outside of school (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314715

7. In a typical week, how many days do you spend writing **on your own and not for school**—for example, writing stories or keeping a journal at home? Fill in a number **between 0 and 7**.

days

8. In a typical school week, on about how many days do you get **writing assignments of a paragraph or more** during each of the following classes? Fill in a number **between 0 and 5** on each row.

English/language arts class \_\_\_\_ days

Social studies class such as history, civics, government, or geography \_\_\_\_ days

Science class \_\_\_\_ days

Mathematics class \_\_\_\_ days

9. During this school year, how often do you get **writing assignments of a paragraph or more** during each of the following classes? Select **one** answer choice on each row.

	I don't take this class.	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. English/language arts class	(A)	(B)	(C)	(D)	(E)	(F)	VH312230
b. Social studies class such as history, civics, government, or geography	(A)	(B)	(C)	(D)	(E)	(F)	VH312231
c. Science class	(A)	(B)	(C)	(D)	(E)	(F)	VH312232
d. Mathematics class	(A)	(B)	(C)	(D)	(E)	(F)	VH312233



10. For school this year, how often do you typically write for each of the following purposes? 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. To explain something that you know or have read	(A)	(B)	(C)	(D)	(E)	VH312245
b. To convince or persuade someone	(A)	(B)	(C)	(D)	(E)	VH312246
c. To describe a real experience (for example, write about factual events or personal experiences)	(A)	(B)	(C)	(D)	(E)	VH312247
d. To describe an imagined experience (for example, tell a fictional story)	(A)	(B)	(C)	(D)	(E)	VH312248
e. To summarize (for example, write a summary of a longer text or story)	(A)	(B)	(C)	(D)	(E)	VH312249
f. To analyze (for example, collect and describe evidence for an issue or argument)	(A)	(B)	(C)	(D)	(E)	VH312250

11. For school this year, how often do you write for each of the following purposes? The writing could be on paper or on a computer. Select **one** answer choice on each row.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. To explain something that you know or have read	(A)	(B)	(C)	(D)	VH242614
b. To convince or persuade someone	(A)	(B)	(C)	(D)	VH242615
c. To convey a real or imagined experience	(A)	(B)	(C)	(D)	VH242616

12. For school this year, how often do you use each of the following when you write a paper or report? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Use the Internet to look for information to include in the paper or report	(A)	(B)	(C)	(D)	(E)	VH312325
b. Use a computer or other digital device from the beginning to write the paper or report (for example, use a computer to write the first draft and final draft)	(A)	(B)	(C)	(D)	(E)	VH312326
c. Use a computer or other digital device to make changes to the paper or report (for example, spell-check or cut and paste)	(A)	(B)	(C)	(D)	(E)	VH312327
d. Use a computer or other digital device to complete your writing	(A)	(B)	(C)	(D)	(E)	VH312328

13. For school this year, how often do you use each of the following when you write a paper or report? Select **one** answer choice on each row.

	Never or hardly ever	Sometimes	Very often	Always or almost always	
a. Use the Internet to look for information to include in the paper or report	(A)	(B)	(C)	(D)	VH242653
b. Use a computer from the beginning to write the paper or report (for example, use a computer to write the first draft)	(A)	(B)	(C)	(D)	VH242651
c. Use a computer to make changes to the paper or report (for example, spell-check or cut and paste)	(A)	(B)	(C)	(D)	VH242654
d. Use a computer to complete your writing	(A)	(B)	(C)	(D)	VH242652

14. In a typical week, how many pages are you assigned to write **for homework** in each of the following subjects? Select **one** answer choice on each row.

	I don't take this class.	None	Up to one page	One to three pages	Four to five pages	More than five pages	
a. English/language arts	(A)	(B)	(C)	(D)	(E)	(F)	VH312340
b. Social studies	(A)	(B)	(C)	(D)	(E)	(F)	VH312341
c. Science	(A)	(B)	(C)	(D)	(E)	(F)	VH312342
d. Mathematics	(A)	(B)	(C)	(D)	(E)	(F)	VH312343

15. 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. Write a paper using correct grammar	(A)	(B)	(C)	(D)	(E)	VH315010
b. Write a paper without spelling mistakes	(A)	(B)	(C)	(D)	(E)	VH315014
c. Write clear and complete sentences	(A)	(B)	(C)	(D)	(E)	VH315016
d. Choose words in my writing that will effectively communicate my ideas	(A)	(B)	(C)	(D)	(E)	VH315032
e. Judge the reliability of an online source for use in my writing (for example, whether a source from the Internet is biased)	(A)	(B)	(C)	(D)	(E)	VH312010
f. Cite others for their ideas in my writing (for example, citing sources, providing the references I used in my reports)	(A)	(B)	(C)	(D)	(E)	VH312011

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

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Create an outline prior to writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311951
b. Write a well-organized essay with an introduction, body, and conclusion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311952
c. Write a paragraph with a clear topic sentence	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311953
d. Quickly come up with ideas about what to write for a timed writing task	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311954
e. Start an essay with a clear introduction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311956
f. End an essay with a strong conclusion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311957
g. Complete a first draft of an essay within a class period	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311958

17. 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 something in my writing	(A)	(B)	(C)	(D)	(E)	VH311982
b. Convince someone about something in my writing	(A)	(B)	(C)	(D)	(E)	VH311983
c. Tell an imaginary story in my writing	(A)	(B)	(C)	(D)	(E)	VH311984
d. Present a clear position in my writing	(A)	(B)	(C)	(D)	(E)	VH311985
e. Support a position with reasons and examples in my writing	(A)	(B)	(C)	(D)	(E)	VH311986
f. Take different points of view into account in my persuasive writing	(A)	(B)	(C)	(D)	(E)	VH311987

18. Thinking about your English/language arts class this year, 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 to improve how I express my ideas.	(A)	(B)	(C)	(D)	(E)	VH312038
b. I want to keep people from thinking I'm a poor writer.	(A)	(B)	(C)	(D)	(E)	VH312039
c. I want to get a good grade in the class.	(A)	(B)	(C)	(D)	(E)	VH312040
d. I want to hide that I have a hard time writing.	(A)	(B)	(C)	(D)	(E)	VH312041
e. I want to become a better writer.	(A)	(B)	(C)	(D)	(E)	VH312042
f. I want to have my classmates believe I can write well.	(A)	(B)	(C)	(D)	(E)	VH312043
g. I want to pass my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH312044
h. I want to avoid making mistakes in front of my classmates.	(A)	(B)	(C)	(D)	(E)	VH312045
i. I want to be a better writer than my classmates.	(A)	(B)	(C)	(D)	(E)	VH312048
j. I want to hide how nervous I am about writing.	(A)	(B)	(C)	(D)	(E)	VH312049
k. I want my teacher to think I am a good writer.	(A)	(B)	(C)	(D)	(E)	VH312050
l. I want to better organize my ideas when writing.	(A)	(B)	(C)	(D)	(E)	VH312051

19. 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. Writing is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH312353
b. Writing is easy for me.	(A)	(B)	(C)	(D)	(E)	VH312356
c. I don't like to write.	(A)	(B)	(C)	(D)	(E)	VH312358
d. I enjoy expressing my thoughts in writing.	(A)	(B)	(C)	(D)	(E)	VH314723
e. I try to avoid writing as much as possible.	(A)	(B)	(C)	(D)	(E)	VH314729
f. I enjoy sharing my writing with others.	(A)	(B)	(C)	(D)	(E)	VH314733

20. Which best describes the way you type on a keyboard?

- (A) I don't know how to type using a keyboard.
- (B) I have to search for where the letter keys are.
- (C) I know where most of the letter keys are.
- (D) I can type without looking at the keyboard.
- (E) I type using a way other than both hands.

21. Which best describes the way you type on a keyboard?

- (A) I don't know how to type using a keyboard.
- (B) I can type with one or two fingers, but I have to search for where the letter keys are.
- (C) I can type with one or two fingers, and I know where most of the letter keys are.
- (D) I can type with all ten fingers when I look at the keyboard.
- (E) I can type with all ten fingers without looking at the keyboard.
- (F) I type using a way other than both hands.



VH242642

22. Did you use the paper and pencil you were given to make notes, plan, or organize your writing for this test? Select **one** answer choice on each row.

	Yes	No	
a. For the first writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242643
b. For the second writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242645

VH242646

23. Did you use the computer to make notes, plan, or organize your writing for this test? Select **one** answer choice on each row.

	Yes	No	
a. For the first writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242647
b. For the second writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242649

VH240001

24. How hard was this test compared to most other tests you have taken this year in school?

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

VH240002

25. 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?

- A Not as hard as on other tests
- B About as hard as on other tests
- C Harder than on other tests
- D Much harder than on other tests

VH240003

26. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

VH260313

27. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

VH337141

28. How similar were the questions on this test to the questions on your **writing** quizzes and tests at school?

- Ⓐ Not similar at all
- Ⓑ Not similar
- Ⓒ Somewhat similar
- Ⓓ Quite similar
- Ⓔ Extremely similar

29. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

30. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

31. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

32. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

33. 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

## **Appendix H1r: 2011 Operational Grade 12 Writing**

# SECTION 4

## Section 4

This section has 16 questions. Select only **one** circle for each question except where instructed otherwise.

1. In a typical school day, about how much time do you spend on writing assignments of a paragraph or more during each of the following classes? The writing could be on paper or on a computer. Select **one** circle on each line.

VE087975

	I don't take this class.	0 minutes	Up to 15 minutes	Between 15 and 30 minutes	Between 30 and 60 minutes	More than 60 minutes	
a. English/language arts class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE087986
b. Social studies class such as history, civics, government, or geography	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE087989
c. Science class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE087992
d. Mathematics class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE087994

2. In a typical day, about how much time do you spend writing on your own and not for school—for example, writing stories or keeping a journal at home? The writing could be on paper or on a computer.

VE036761

- A 0 minutes
- B Up to 15 minutes
- C Between 15 and 30 minutes
- D Between 30 and 60 minutes
- E More than 60 minutes

Section 4

VE088001

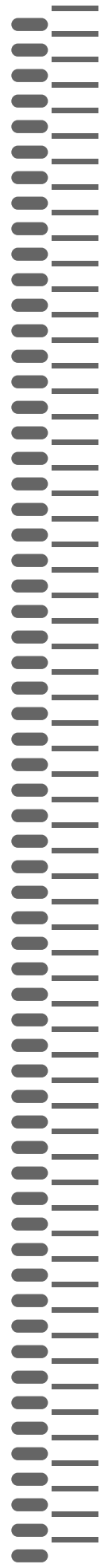
3. How often do you write, in and out of school, for each of the following activities? Include only the writing that you do on paper. Select **one** circle on each line.

- |  | Never or<br>hardly<br>ever | Once or<br>twice a<br>month | Once or<br>twice a<br>week | Every<br>day or<br>almost<br>every day |          |
|--|----------------------------|-----------------------------|----------------------------|--|----------|
| a. Writing for school assignments (for example, reports, essays, or letters) | <input type="radio"/> A    | <input type="radio"/> B     | <input type="radio"/> C    | <input type="radio"/> D                | VE088004 |
| b. Writing that is not part of your schoolwork                               | <input type="radio"/> A    | <input type="radio"/> B     | <input type="radio"/> C    | <input type="radio"/> D                | VE088005 |

VE126298

4. For school this year, how often do you write for each of the following purposes? The writing could be on paper or on a computer. Select **one** circle on each line.

- |  | Never or<br>hardly<br>ever | A few<br>times a<br>year | Once or<br>twice a<br>month | At least<br>once a<br>week |          |
|--|----------------------------|--------------------------|-----------------------------|----------------------------|----------|
| a. To explain something that you know or have read | <input type="radio"/> A    | <input type="radio"/> B  | <input type="radio"/> C     | <input type="radio"/> D    | VE126301 |
| b. To convince or persuade someone                 | <input type="radio"/> A    | <input type="radio"/> B  | <input type="radio"/> C     | <input type="radio"/> D    | VE126302 |
| c. To convey a real or imagined experience         | <input type="radio"/> A    | <input type="radio"/> B  | <input type="radio"/> C     | <input type="radio"/> D    | VE126304 |



5. For school this year, how often do you write for each of the following audiences? The writing could be on paper or on a computer. Select **one** circle on each line. VE088007

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Family members	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088009
b. School officials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088012
c. Other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088013
d. Community organizations, government officials, or businesses	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE450490

6. For school this year, how often do you write each of the following? The writing could be on paper or on a computer. Select **one** circle on each line. VE088022

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Informational essays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE107515
b. Letters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088029
c. Speeches	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088030
d. Personal essays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088031
e. Stories	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088032
f. Poems	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088033
g. Journal entries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088035
h. Book reviews	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE450485
i. Job applications or résumés	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088036
j. Explanations of how you solved a mathematics or science problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088037



Section 4

VE126329

7. Did you use the paper and pencil you were given to make notes, plan, or organize your writing for this test? Select **one** circle on each line.

Yes No

a. For the first writing task on this test

(A) (B)

VE126345

b. For the second writing task on this test

(A) (B)

VE126346

VE126358

8. Did you use the computer to make notes, plan, or organize your writing for this test? Select **one** circle on each line.

Yes No

a. For the first writing task on this test

(A) (B)

VE126360

b. For the second writing task on this test

(A) (B)

VE126361

VE036314

9. For school this year, how often do you use each of the following when you write a paper or report? Select **one** circle on each line.

Never or hardly ever Sometimes Very often Always or almost always

a. Use the Internet to look for information to include in the paper or report

(A) (B) (C) (D)

VE036318

b. Use a computer from the beginning to write the paper or report (for example, use a computer to write the first draft)

(A) (B) (C) (D)

VE036315

c. Use a computer to make changes to the paper or report (for example, spell-check or cut and paste)

(A) (B) (C) (D)

VE036316

d. Use a computer to complete your writing

(A) (B) (C) (D)

VE088274



VE088349

10. How often do you use a computer, in and out of school, for each of the following activities? Select **one** circle on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Writing for school assignments (for example, reports, essays, or letters)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE107503
b. Writing that is not part of your schoolwork	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE107504
c. Writing e-mails	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE107505
d. Writing using the Internet (for example, for blogs or personal web pages)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE107507

VE036713

11. In a typical week, about how many pages do you write for English/language arts homework?

- A None
- B Up to one page
- C One to three pages
- D Four to five pages
- E More than five pages

Section 4

VE035611

12. Please indicate how much you disagree or agree with the following statements about writing. Select **one** circle on each line.

**Strongly disagree**      **Disagree**      **Agree**      **Strongly agree**

- a. Writing is one of my favorite activities.      (A)      (B)      (C)      (D)      VE035613
- b. Writing allows me to express my ideas.      (A)      (B)      (C)      (D)      VE035628

VE110951

13. If you had a choice, which of the following would you most prefer to write?

- (A) Stories
- (B) Letters or e-mails
- (C) Plays
- (D) Poems
- (E) Song lyrics
- (F) Comic books

VE401773

14. How hard was this test compared to most other tests you have taken this year in school?

- (A) Easier than other tests
- (B) About as hard as other tests
- (C) Harder than other tests
- (D) Much harder than other tests



VE401776

15. 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

16. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important



## **Appendix H-1s: 2016 Pilot Grade 12 Writing**

1. When you work on a **longer writing assignment** (for example, an assignment of two or more pages), how often do you typically do 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. Organize my ideas before I write (for example, by creating an outline)	(A)	(B)	(C)	(D)	(E)	VH312137
b. Write a first draft	(A)	(B)	(C)	(D)	(E)	VH312140
c. Reread and revise my draft writing	(A)	(B)	(C)	(D)	(E)	VH312141
d. Use word processing software to revise my own writing (for example, to use the backspace key or cut, copy, and paste text using the computer keyboard)	(A)	(B)	(C)	(D)	(E)	VH312791
e. Use a spell-check in word processing software	(A)	(B)	(C)	(D)	(E)	VH312792
f. Use a thesaurus or dictionary in word processing software	(A)	(B)	(C)	(D)	(E)	VH312795

2. In your English/language arts class this year, how often do you get the following **writing** 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. Assignments that you have to complete under a strict time limit	(A)	(B)	(C)	(D)	(E)	VH311859
b. Assignments that you have to complete within one session	(A)	(B)	(C)	(D)	(E)	VH311876
c. Assignments that you can work on over extended periods of time (for example, several class periods)	(A)	(B)	(C)	(D)	(E)	VH311881
d. Assignments that you have to complete together with other students	(A)	(B)	(C)	(D)	(E)	VH312058
e. Assignments that you have to complete on a desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH312062
f. Assignments of two or more pages (for example, a paper or report)	(A)	(B)	(C)	(D)	(E)	VH312074

3. In your English/language arts class this year, how often do you **practice** 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	
a. Using correct grammar in writing	(A)	(B)	(C)	(D)	(E)	VH312797
b. Using new vocabulary in writing	(A)	(B)	(C)	(D)	(E)	VH312801
c. Typing on a keyboard	(A)	(B)	(C)	(D)	(E)	VH312802
d. Using word processing software to edit and revise text	(A)	(B)	(C)	(D)	(E)	VH312803
e. Organizing ideas in writing (for example, outlining the order of my ideas before writing, re-organizing my ideas when I revise)	(A)	(B)	(C)	(D)	(E)	VH312806
f. Writing for different audiences or readers	(A)	(B)	(C)	(D)	(E)	VH312807
g. Writing for different purposes (for example, writing to persuade or writing to explain)	(A)	(B)	(C)	(D)	(E)	VH312808
h. Writing different forms of text (for example, an essay, letter, or story)	(A)	(B)	(C)	(D)	(E)	VH313344
i. Citing sources correctly in writing	(A)	(B)	(C)	(D)	(E)	VH313380
j. Improving writing by revising first drafts	(A)	(B)	(C)	(D)	(E)	VH313384
k. Using details to develop ideas in writing	(A)	(B)	(C)	(D)	(E)	VH313385



4. In your English/language arts class this year, how often do you use each of the following for writing? 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. Paper and pen/pencil	(A)	(B)	(C)	(D)	(E)	VH314232
b. Desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH314234
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314235
d. Other digital device (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314238

5. How often do you use each of the following for writing **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. Paper and pen/pencil	(A)	(B)	(C)	(D)	(E)	VH314383
b. Desktop or laptop computer	(A)	(B)	(C)	(D)	(E)	VH314385
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314386
d. Other digital device (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314387

6. During this school year, how often do you do each of the following **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. Participate in online discussions on a website (for example, in forums or social networks)	(A)	(B)	(C)	(D)	(E)	VH314694
b. Write for a blog, website, or online newspaper	(A)	(B)	(C)	(D)	(E)	VH314695
c. Practice my keyboarding skills	(A)	(B)	(C)	(D)	(E)	VH314701
d. Write journal entries	(A)	(B)	(C)	(D)	(E)	VH314702
e. Get tutoring to improve my writing	(A)	(B)	(C)	(D)	(E)	VH314703
f. Help others with their writing	(A)	(B)	(C)	(D)	(E)	VH314708
g. Engage in other writing activities outside of school (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH314715

7. In a typical week, how many days do you spend writing **on your own and not for school**—for example, writing stories or keeping a journal at home? Fill in a number **between 0 and 7**.

days

8. In a typical school week, on about how many days do you get **writing assignments of a paragraph or more** during each of the following classes? Fill in a number **between 0 and 5** on each row.

English/language arts class \_\_\_\_ days

Social studies class such as history, civics, government, or geography \_\_\_\_ days

Science class \_\_\_\_ days

Mathematics class \_\_\_\_ days

9. During this school year, how often do you get **writing assignments of a paragraph or more** during each of the following classes? Select **one** answer choice on each row.

	I don't take this class.	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. English/language arts class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312230
b. Social studies class such as history, civics, government, or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312231
c. Science class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312232
d. Mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312233

10. For school this year, how often do you typically write for each of the following purposes? 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. To explain something that you know or have read	(A)	(B)	(C)	(D)	(E)	VH312245
b. To convince or persuade someone	(A)	(B)	(C)	(D)	(E)	VH312246
c. To describe a real experience (for example, write about factual events or personal experiences)	(A)	(B)	(C)	(D)	(E)	VH312247
d. To describe an imagined experience (for example, tell a fictional story)	(A)	(B)	(C)	(D)	(E)	VH312248
e. To summarize (for example, write a summary of a longer text or story)	(A)	(B)	(C)	(D)	(E)	VH312249
f. To analyze (for example, collect and describe evidence for an issue or argument)	(A)	(B)	(C)	(D)	(E)	VH312250

11. For school this year, how often do you write for each of the following purposes? The writing could be on paper or on a computer. Select **one** answer choice on each row.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. To explain something that you know or have read	(A)	(B)	(C)	(D)	VH242614
b. To convince or persuade someone	(A)	(B)	(C)	(D)	VH242615
c. To convey a real or imagined experience	(A)	(B)	(C)	(D)	VH242616

12. For school this year, how often do you use each of the following when you write a paper or report? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Use the Internet to look for information to include in the paper or report	(A)	(B)	(C)	(D)	(E)	VH312325
b. Use a computer or other digital device from the beginning to write the paper or report (for example, use a computer to write the first draft and final draft)	(A)	(B)	(C)	(D)	(E)	VH312326
c. Use a computer or other digital device to make changes to the paper or report (for example, spell-check or cut and paste)	(A)	(B)	(C)	(D)	(E)	VH312327
d. Use a computer or other digital device to complete your writing	(A)	(B)	(C)	(D)	(E)	VH312328

13. For school this year, how often do you use each of the following when you write a paper or report? Select **one** answer choice on each row.

	Never or hardly ever	Sometimes	Very often	Always or almost always	
a. Use the Internet to look for information to include in the paper or report	(A)	(B)	(C)	(D)	VH242653
b. Use a computer from the beginning to write the paper or report (for example, use a computer to write the first draft)	(A)	(B)	(C)	(D)	VH242651
c. Use a computer to make changes to the paper or report (for example, spell-check or cut and paste)	(A)	(B)	(C)	(D)	VH242654
d. Use a computer to complete your writing	(A)	(B)	(C)	(D)	VH242652

14. In a typical week, how many pages are you assigned to write **for homework** in each of the following subjects? Select **one** answer choice on each row.

	I don't take this class.	None	Up to one page	One to three pages	Four to five pages	More than five pages	
a. English/language arts	(A)	(B)	(C)	(D)	(E)	(F)	VH312340
b. Social studies	(A)	(B)	(C)	(D)	(E)	(F)	VH312341
c. Science	(A)	(B)	(C)	(D)	(E)	(F)	VH312342
d. Mathematics	(A)	(B)	(C)	(D)	(E)	(F)	VH312343

15. 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. Write a paper using correct grammar	(A)	(B)	(C)	(D)	(E)	VH315010
b. Write a paper without spelling mistakes	(A)	(B)	(C)	(D)	(E)	VH315014
c. Write clear and complete sentences	(A)	(B)	(C)	(D)	(E)	VH315016
d. Choose words in my writing that will effectively communicate my ideas	(A)	(B)	(C)	(D)	(E)	VH315032
e. Judge the reliability of an online source for use in my writing (for example, whether a source from the Internet is biased)	(A)	(B)	(C)	(D)	(E)	VH312010
f. Cite others for their ideas in my writing (for example, citing sources, providing the references I used in my reports)	(A)	(B)	(C)	(D)	(E)	VH312011

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

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Create an outline prior to writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311951
b. Write a well-organized essay with an introduction, body, and conclusion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311952
c. Write a paragraph with a clear topic sentence	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311953
d. Quickly come up with ideas about what to write for a timed writing task	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311954
e. Start an essay with a clear introduction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311956
f. End an essay with a strong conclusion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311957
g. Complete a first draft of an essay within a class period	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311958



17. 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 something in my writing	(A)	(B)	(C)	(D)	(E)	VH311982
b. Convince someone about something in my writing	(A)	(B)	(C)	(D)	(E)	VH311983
c. Tell an imaginary story in my writing	(A)	(B)	(C)	(D)	(E)	VH311984
d. Present a clear position in my writing	(A)	(B)	(C)	(D)	(E)	VH311985
e. Support a position with reasons and examples in my writing	(A)	(B)	(C)	(D)	(E)	VH311986
f. Take different points of view into account in my persuasive writing	(A)	(B)	(C)	(D)	(E)	VH311987

18. Thinking about your English/language arts class this year, 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 to improve how I express my ideas.	(A)	(B)	(C)	(D)	(E)	VH312038
b. I want to keep people from thinking I'm a poor writer.	(A)	(B)	(C)	(D)	(E)	VH312039
c. I want to get a good grade in the class.	(A)	(B)	(C)	(D)	(E)	VH312040
d. I want to hide that I have a hard time writing.	(A)	(B)	(C)	(D)	(E)	VH312041
e. I want to become a better writer.	(A)	(B)	(C)	(D)	(E)	VH312042
f. I want to have my classmates believe I can write well.	(A)	(B)	(C)	(D)	(E)	VH312043
g. I want to pass my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH312044
h. I want to avoid making mistakes in front of my classmates.	(A)	(B)	(C)	(D)	(E)	VH312045
i. I want to be a better writer than my classmates.	(A)	(B)	(C)	(D)	(E)	VH312048
j. I want to hide how nervous I am about writing.	(A)	(B)	(C)	(D)	(E)	VH312049
k. I want my teacher to think I am a good writer.	(A)	(B)	(C)	(D)	(E)	VH312050
l. I want to better organize my ideas when writing.	(A)	(B)	(C)	(D)	(E)	VH312051

19. 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. Writing is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH312353
b. Writing is easy for me.	(A)	(B)	(C)	(D)	(E)	VH312356
c. I don't like to write.	(A)	(B)	(C)	(D)	(E)	VH312358
d. I enjoy expressing my thoughts in writing.	(A)	(B)	(C)	(D)	(E)	VH314723
e. I try to avoid writing as much as possible.	(A)	(B)	(C)	(D)	(E)	VH314729
f. I enjoy sharing my writing with others.	(A)	(B)	(C)	(D)	(E)	VH314733

20. Which best describes the way you type on a keyboard?

- (A) I don't know how to type using a keyboard.
- (B) I have to search for where the letter keys are.
- (C) I know where most of the letter keys are.
- (D) I can type without looking at the keyboard.
- (E) I type using a way other than both hands.

21. Which best describes the way you type on a keyboard?

- (A) I don't know how to type using a keyboard.
- (B) I can type with one or two fingers, but I have to search for where the letter keys are.
- (C) I can type with one or two fingers, and I know where most of the letter keys are.
- (D) I can type with all ten fingers when I look at the keyboard.
- (E) I can type with all ten fingers without looking at the keyboard.
- (F) I type using a way other than both hands.

VH242642

22. Did you use the paper and pencil you were given to make notes, plan, or organize your writing for this test? Select **one** answer choice on each row.

	Yes	No	
a. For the first writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242643
b. For the second writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242645

VH242646

23. Did you use the computer to make notes, plan, or organize your writing for this test? Select **one** answer choice on each row.

	Yes	No	
a. For the first writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242647
b. For the second writing task on this test	<input type="radio"/> A	<input type="radio"/> B	VH242649

VH240001

24. How hard was this test compared to most other tests you have taken this year in school?

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

VH240002

25. 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?

- A Not as hard as on other tests
- B About as hard as on other tests
- C Harder than on other tests
- D Much harder than on other tests

VH240003

26. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

VH260313

27. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

VH337141

28. How similar were the questions on this test to the questions on your **writing** quizzes and tests at school?

- Ⓐ Not similar at all
- Ⓑ Not similar
- Ⓒ Somewhat similar
- Ⓓ Quite similar
- Ⓔ Extremely similar

29. How much do you agree with each of the following statements? Select **one** answer choice on each row.

	Strongly disagree	Disagree	Somewhat disagree	Somewhat agree	Agree	Strongly agree	
a. I applied a lot of effort to succeed on this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260334
b. Taking this test was stressful.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260335
c. Taking this test was challenging.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260336
d. I felt time pressure when taking this test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH260338

30. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

31. How stressful was taking this test?

- Ⓐ Not stressful at all
- Ⓑ A little stressful
- Ⓒ Somewhat stressful
- Ⓓ Quite stressful
- Ⓔ Extremely stressful

32. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

33. 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

## **Appendix H-1t: 2014 Operational Grade 8 Civics**



# SECTION 4

## Section 4

This section has 12 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. In which of the following grades did you learn about civics or government? Fill in **one** oval on each line.

VC467353

	Yes	No	I don't know.	
a. 5th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC467355
b. 6th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC467356
c. 7th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC467357
d. 8th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE131733

2. How often do you study social studies in school?

VB594977

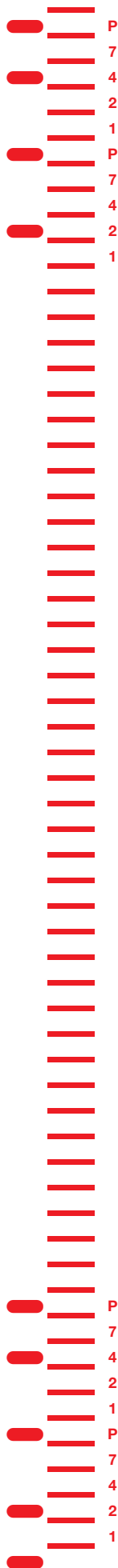
- A Never or hardly ever
- B Once or twice a month
- C Once or twice a week
- D Almost every day

Section 4

ID100216

3. During this school year, have you studied any of the following topics? Fill in **one** oval on each line.

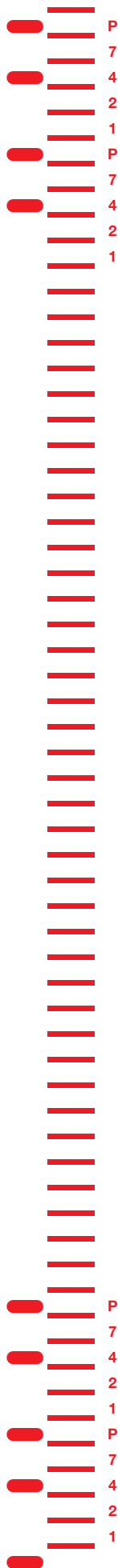
	Yes	No	I don't know.	
a. The United States Constitution	Ⓐ	Ⓑ	Ⓒ	ID100217
b. Congress	Ⓐ	Ⓑ	Ⓒ	ID100218
c. The President and the cabinet	Ⓐ	Ⓑ	Ⓒ	ID100219
d. How laws are made	Ⓐ	Ⓑ	Ⓒ	ID100220
e. The court system	Ⓐ	Ⓑ	Ⓒ	ID100221
f. Political parties, elections, and voting	Ⓐ	Ⓑ	Ⓒ	ID100222
g. State and local government	Ⓐ	Ⓑ	Ⓒ	ID100223
h. Other countries' governments	Ⓐ	Ⓑ	Ⓒ	ID100224
i. International organizations (such as the United Nations)	Ⓐ	Ⓑ	Ⓒ	ID100225



4. Indicate how often you do each of the following when you study social studies or civics or government in school. Fill in **one** oval on each line.

	Never	A few times a year	Once or twice a month	Once or twice a week	Almost every day	
a. Read material from a textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132269
b. Read extra material not in the regular textbook (e.g., newspapers, magazines, maps, charts, or cartoons)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132303
c. Discuss the material studied	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132307
d. Write short answers (a paragraph or less) to questions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132309
e. Write a report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132316
f. Work on a group project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132322
g. Give a presentation to the class on the topic being studied	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132323
h. Watch movies or videos	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132324
i. Take a test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132326
j. Go on field trips or have outside speakers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132327
k. Use the books or computers in the library to do schoolwork	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132330
l. Write a letter to give your opinion or help solve a community problem	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132333
m. Discuss current events	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132335
n. Take part in debates or panel discussions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132338
o. Take part in role-playing, mock trials, or dramas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132340

Section 4



5. This year in school, how often have you been asked to write long answers to questions or assignments that involved social studies?

VB594978

- (A) Never
(B) Once or twice this year
(C) Once or twice a month
(D) At least once a week

7. When you study social studies, to what extent do you use computers to do research projects about social studies topics using a CD or the Internet? Include both class work and homework assignments.

VE112830

- (A) Not at all
(B) Small extent
(C) Moderate extent
(D) Large extent

6. How often do you use computers at school for social studies?

VB594979

- (A) Never or hardly ever
(B) Once every few weeks
(C) About once a week
(D) Two or three times a week
(E) Every day

8. When you study social studies or civics or government, how often do you agree with the following statements? Fill in one oval on each line.

VC681400

Table with 5 columns: Statement, Never or hardly ever, Sometimes, Often, Always or almost always, and Item ID. Rows include statements about understanding, ease, difficulty, and interest in social studies.



9. How much do you agree that social studies or civics or government is one of your favorite subjects?

VE132747

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ A lot

12. How important was it to you to do well on this test?

VB595184

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

10. How hard was this test compared to most other tests you have taken this year in school?

VB595182

- Ⓐ Easier than other tests
- Ⓑ About as hard as other tests
- Ⓒ Harder than other tests
- Ⓓ Much harder than other tests

11. 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?

VC034559

- Ⓐ 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



## **Appendix H-1u: 2014 Operational Grade 8 Geography**

# SECTION 4

## Section 4

This section has 12 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. Did you take or do you expect to take a geography course in the following grades?  
Fill in **one** oval on each line.

VB345592

	Yes	No	I don't know.	
a. 5th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE101297
b. 6th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345593
c. 7th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345594
d. 8th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345595

2. In this school year, how often have you learned about geography?

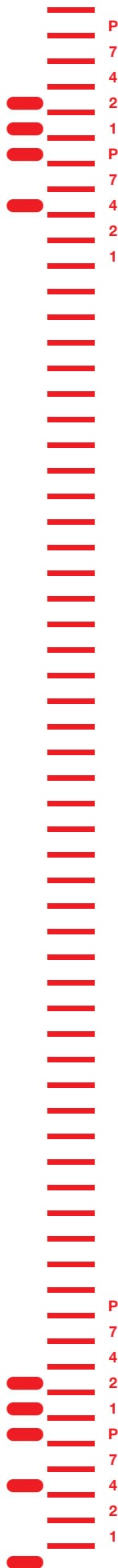
VC472881

- A Never or hardly ever
- B A few times a year
- C Once or twice a month
- D Once or twice a week
- E Every day or almost every day

3. How often have you studied the following geography skills and topics in school? Fill in **one** oval on each line.

VB345597

	Almost every day	Once or twice a week	Once or twice a month	Never or hardly ever	
a. Using maps and globes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB345598
b. Natural resources (for example, oil, forests, and water)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB345599
c. Countries and cultures	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB345600
d. Environmental issues (for example, pollution and recycling)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB345601



VE117406

4. Indicate how often you do each of the following when you study social studies or geography in school. Fill in **one** oval on each line.

	Never	A few times a year	Once or twice a month	Once or twice a week	Almost every day	
a. Read material from a textbook	(A)	(B)	(C)	(D)	(E)	VE117427
b. Read extra material not in the regular textbook (e.g., newspapers, magazines, maps, charts, or cartoons)	(A)	(B)	(C)	(D)	(E)	VE117428
c. Discuss the material studied	(A)	(B)	(C)	(D)	(E)	VE117429
d. Write short answers (a paragraph or less) to questions	(A)	(B)	(C)	(D)	(E)	VE117430
e. Write a report	(A)	(B)	(C)	(D)	(E)	VE117431
f. Work on a group project	(A)	(B)	(C)	(D)	(E)	VE117432
g. Give a presentation to the class on the topic being studied	(A)	(B)	(C)	(D)	(E)	VE117433
h. Watch movies or videos	(A)	(B)	(C)	(D)	(E)	VE117435
i. Take a test or quiz	(A)	(B)	(C)	(D)	(E)	VE117437
j. Go on field trips or have outside speakers	(A)	(B)	(C)	(D)	(E)	VE117438
k. Use the books or computers in the library to do schoolwork	(A)	(B)	(C)	(D)	(E)	VE117439
l. Listen to information presented online	(A)	(B)	(C)	(D)	(E)	VE131746





5. This year in school, how often have you been asked to write long answers to questions or assignments that involved social studies?

VB594978

- Ⓐ Never
- Ⓑ Once or twice this year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

6. How often do you use a computer at school for social studies?

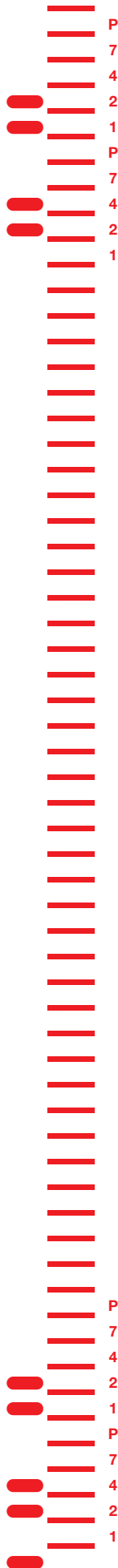
VB333396

- Ⓐ Every day
- Ⓑ Two or three times a week
- Ⓒ About once a week
- Ⓓ Once every few weeks
- Ⓔ Never or hardly ever

7. When you study social studies, to what extent do you use computers to do any of the following? For this question, include both class work and homework assignments. Fill in **one** oval on each line.

VE131505

	Not at all	Small extent	Moderate extent	Large extent	
a. Do research projects about social studies topics using a CD or the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131526
b. Use computer programs in which you play the role of an explorer, geographer, anthropologist, or historian	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131527
c. Create or use maps using geographic information systems (GIS)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131528
d. Organize social studies information by making tables, charts, or graphs on the computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131530
e. Write reports or other things about social studies on the computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131531
f. Combine words, images, and sounds to create multimedia reports or projects about social studies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131533
g. Use e-mail or the Internet to communicate with others about social studies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE131537



8. When you study social studies or geography, how often do you agree with the following statements? Fill in **one** oval on each line.

VC629461

Never or hardly ever      Sometimes      Often      Always or almost always

a. I have a clear understanding of what my social studies or geography teacher is asking me to do.      (A)      (B)      (C)      (D)      VC629462

b. The social studies or geography work is easy.      (A)      (B)      (C)      (D)      VC629463

c. The social studies or geography work is difficult.      (A)      (B)      (C)      (D)      VC629465

d. The social studies or geography work is interesting.      (A)      (B)      (C)      (D)      VC629473

9. How much do you agree that social studies or geography is one of your favorite subjects?

VE131544

- (A) Not at all
(B) A little
(C) A lot

11. 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?

VC034559

- (A) Not as hard as on other tests
(B) About as hard as on other tests
(C) Harder than on other tests
(D) Much harder than on other tests

10. How hard was this test compared to most other tests you have taken this year in school?

VB595182

- (A) Easier than other tests
(B) About as hard as other tests
(C) Harder than other tests
(D) Much harder than other tests

12. How important was it to you to do well on this test?

VB595184

- (A) Not very important
(B) Somewhat important
(C) Important
(D) Very important



## **Appendix H-1v: 2014 Operational Grade 8 U.S. History**

# SECTION 4

## Section 4

This section has 12 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. Did you take a United States history course in the following grades? Fill in **one** oval on each line.

LC000105

	Yes	No	I don't know.	
a. 5th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE132582
b. 6th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	LC000106
c. 7th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	LC000107
d. 8th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE132588

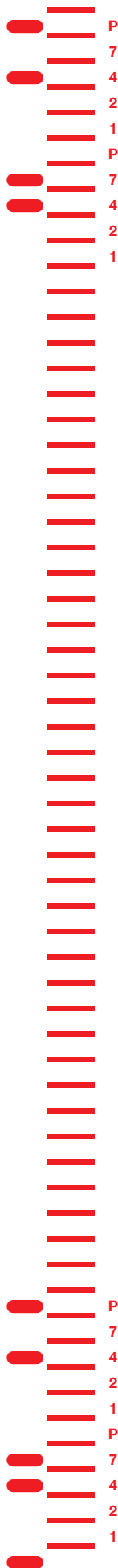
2. Are you taking a United States history course now?

WP000118

A Yes

B No

Section 4



VB598171

3. Since the beginning of middle school or junior high school, how much have you studied the following periods of United States history? Fill in **one** oval on each line.

- |  | Not at all | Some | A lot |          |
|--|------------|------|-------|----------|
| a. The period before 1815: beginnings through the Revolution (e.g., colonization, settlement, revolution)  | Ⓐ          | Ⓑ    | Ⓒ     | VB598172 |
| b. The period between 1815 and 1865: the new nation through the Civil War (e.g., expansion, reform, crisis of the Union)   | Ⓐ          | Ⓑ    | Ⓒ     | VB598173 |
| c. The period between 1865 and 1945: the development of modern America (e.g., Reconstruction, industrial growth, United States' role in world affairs, the Great Depression, the First and Second World Wars, immigration) | Ⓐ          | Ⓑ    | Ⓒ     | VB598174 |
| d. The period between 1945 and the present: contemporary America (e.g., civil rights movement, women's rights movement, Korean and Vietnam wars, environmental movement)   | Ⓐ          | Ⓑ    | Ⓒ     | VB598175 |

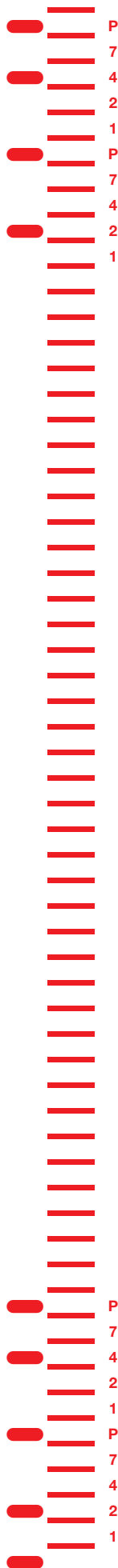


4. When you study history or social studies in school, how often do you do each of the following? Fill in **one** oval on each line.

VE132663

	Never	A few times a year	Once or twice a month	Once or twice a week	Almost every day	
a. Read material from a textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132669
b. Read extra material not in the regular textbook (e.g., biographies or historical stories)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132671
c. Use letters, diaries, or essays written by historical people	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132685
d. Discuss the material studied	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132686
e. Write short answers (a paragraph or less) to questions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132687
f. Write a report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132692
g. Work on a group project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132697
h. Give a presentation to the class on the topic being studied	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132698
i. Watch movies or videos	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132699
j. Take a test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132700
k. Go on field trips or have outside speakers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132701
l. Use the books or computers in the library to do schoolwork	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132704
m. Listen to information presented online	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE132706

Section 4



5. This year in school, how often have you been asked to write long answers to questions or assignments for history or social studies?

VB598168

- (A) Never
(B) Once or twice this year
(C) Once or twice a month
(D) At least once a week

6. How often do you use computers at school for history or social studies?

VB598169

- (A) Never or hardly ever
(B) Once every few weeks
(C) About once a week
(D) Two or three times a week
(E) Every day

7. When you study history or social studies, to what extent do you use computers to do research projects about history or social studies topics using a CD or the Internet? Include both class work and homework assignments.

VE132600

- (A) Not at all
(B) Small extent
(C) Moderate extent
(D) Large extent

8. When you study social studies or history, how often do you agree with the following statements? Fill in one oval on each line.

VC471044

Table with 5 columns: Statement, Never or hardly ever, Sometimes, Often, Always or almost always, and ID. Rows include statements about understanding of teacher, ease of work, difficulty of work, and interest in work.



9. How much do you agree that history or social studies is one of your favorite subjects?

VE098853

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ A lot

12. How important was it to you to do well on this test?

VB595184

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

10. How hard was this test compared to most other tests you have taken this year in school?

VB595182

- Ⓐ Easier than other tests
- Ⓑ About as hard as other tests
- Ⓒ Harder than other tests
- Ⓓ Much harder than other tests

11. 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?

VC034559

- Ⓐ 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





## **Appendix F-1w: 2014 Probe Grade 8 TEL**

## Student Questionnaire – Technology and Engineering Literacy

The following questions are about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year.

VE631435

1. Are you Hispanic or Latino? Select **one or more** squares.

- A No, I am not Hispanic or Latino.
- B Yes, I am Mexican, Mexican American, or Chicano.
- C Yes, I am Puerto Rican or Puerto Rican American.
- D Yes, I am Cuban or Cuban American.
- E Yes, I am from some other Hispanic or Latino background.

VE631437

2. Which of the following best describes you? Select **one or more** squares.

- A White
- B Black or African American
- C Asian
- D American Indian or Alaska Native
- E Native Hawaiian or other Pacific Islander

VE011083

3. About how many books are there in your home?

- A Few (0–10)
- B Enough to fill one shelf (11–25)
- C Enough to fill one bookcase (26–100)
- D Enough to fill several bookcases (more than 100)

## Student Questionnaire – Technology and Engineering Literacy

VE011103

4. Is there a computer at home that you use?

- A Yes
- B No

VF541314

5. Do you have the following in your home? Select squares for **all** that apply.

- A Access to the Internet
- B Clothes dryer just for your family
- C Dishwasher
- D More than one bathroom
- E Your own bedroom

VE011108

6. About how many pages a day do you have to read in school and for homework?

- A 5 or fewer
- B 6–10
- C 11–15
- D 16–20
- E More than 20

VE011109

7. How often do you talk about things you have studied in school with someone in your family?

- A Never or hardly ever
- B Once every few weeks
- C About once a week
- D Two or three times a week
- E Every day

## Student Questionnaire – Technology and Engineering Literacy

VE011111

8. 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

VE011063

9. How far in school did your mother go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

VE011064

10. How far in school did your father go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

## Student Questionnaire – Technology and Engineering Literacy

VE011121

11. How often do people in your home talk to each other in a language other than English?

- Ⓐ Never
- Ⓑ Once in a while
- Ⓒ About half of the time
- Ⓓ All or most of the time

VF541324

12. Do the following people live in your home? Select squares for **all** that apply.

- Ⓐ Mother
- Ⓑ Stepmother
- Ⓒ Foster mother or other female legal guardian
- Ⓓ Father
- Ⓔ Stepfather
- Ⓕ Foster father or other male legal guardian

VE117468

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

## Student Questionnaire – Technology and Engineering Literacy

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.

## Student Questionnaire – Technology and Engineering Literacy

VE639842

14. 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

15. 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

16. **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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE681629
b. How to credit others for their ideas (for example, citing sources, using endnotes and footnotes in reports)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE681632

## Student Questionnaire – Technology and Engineering Literacy

VE639123

17. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE639130
b. Create a presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE639136

VF025108

18. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF025112
b. Create a presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VF025116



## Student Questionnaire – Technology and Engineering Literacy

VE682225

**19. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682228
b. Designing something when there is limited time, money, or materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682229

VE638956

**20. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638959
b. Built or tested a model to see if it solves a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638963
c. Figured out why something is not working in order to fix it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682247
d. Taken something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638965

## Student Questionnaire – Technology and Engineering Literacy

VE638983

**21. 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	
a. Used tools or materials to plan or design something (for example, cake recipe, party)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF009777
b. Used different tools, materials, or machines to see which are best for a given purpose	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638998
c. Built or tested a model to see if it solves a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639038
d. Figured out why something is not working in order to fix it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682267
e. Taken something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639042

## Student Questionnaire – Technology and Engineering Literacy

VH008232

22. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008238
b. Organize information into a chart, graph, or spreadsheet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008240
c. Compare products using the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008241
d. Use tools or materials to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008243
e. Take something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008244
f. Describe how inventions change society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008245
g. Compare how different activities affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008247
h. Explain why people have different tools, machines, or devices in different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH008248

## Student Questionnaire – Technology and Engineering Literacy

VE638999

**23. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639002
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639004
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639005
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682300

VE639008

**24. Outside of 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639012
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639013
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639014
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682314

## Student Questionnaire – Technology and Engineering Literacy

VE682274

25. Who taught you most of what you know about building things, fixing things, or how things work?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

VE682215

26. Who taught you most of what you know about using computers or other digital technology for collecting or sharing information?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

VE682315

27. Who taught you most of what you know about how technology, people, and the environment are related to each other?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

## Student Questionnaire – Technology and Engineering Literacy

VF009358

28. 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.	Ⓐ	Ⓑ	VF009360
b. I had taken an interactive computer test outside of school.	Ⓐ	Ⓑ	VF009361

VE401773

29. 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

30. 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

31. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

## **Appendix F-1x: 2015 Operational Grade 4 & 8 KaSA**

VE453868

1. Did you know before today that you would be taking this test?

- Ⓐ Yes
- Ⓑ No

VE453870

2. Did you answer all of the math questions?

- Ⓐ Yes
- Ⓑ No

VE453875

3. Why did you leave one or more of the math questions blank? Fill in **one or more** ovals.

- Ⓐ I did not have enough time.
- Ⓑ I do not know how to use a calculator.
- Ⓒ I was not used to writing out my answers.
- Ⓓ The questions were too hard.



## **Appendix F-1y: 2015 Operational Grade 4 NIES**

**National Indian Education Study**  
**Grade 4 Student Questionnaire**

Some of the questions are about your American Indian or Alaska Native background. When you answer these questions, think about the American Indian tribe or Alaska Native group to which you and your family belong. You may call your tribe or group a nation, a village, a band, or a community.

If you are connected to more than one American Indian tribe or Alaska Native group, answer for the one you know best.

VC759180

1. How much do you know about your American Indian tribe or Alaska Native group? For example, you may know about the history, traditions, or arts and crafts of your tribe or group.

- Ⓐ Nothing
- Ⓑ A little
- Ⓒ Some
- Ⓓ A lot

VH039733

2. Who taught you **most** of what you know about American Indian or Alaska Native history?

- Ⓐ No one has taught me about American Indian or Alaska Native history.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

Section 1

VH039760

3. Who taught you **most** of what you know about American Indian or Alaska Native traditions (ways of life, customs)?

- Ⓐ No one has taught me about American Indian or Alaska Native traditions.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VH040030

4. Who taught you **most** of what you know about American Indian or Alaska Native arts and crafts?

- Ⓐ No one has taught me about American Indian or Alaska Native arts and crafts.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VC759183

5. How often do you go to American Indian or Alaska Native ceremonies and gatherings?

- Ⓐ Never
- Ⓑ Every few years
- Ⓒ At least once a year
- Ⓓ Several times a year

VC759193

6. How often do members of your family talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day



VC759195

7. How often do people in your school talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VH153907

8. How often do you attend classes **in school** that are taught in an American Indian or Alaska Native language?

- Ⓐ My school does not offer classes that are taught in an American Indian or Alaska Native language.
- Ⓑ Never or hardly ever
- Ⓒ Once or twice a month
- Ⓓ Once or twice a week
- Ⓔ Every day or almost every day

VH040050

9. How do you rate yourself in speaking an American Indian or Alaska Native language?

- Ⓐ I cannot speak an American Indian or Alaska Native language.
- Ⓑ I can speak a few words or phrases.
- Ⓒ I can speak well.

VH040067

10. How do you rate yourself in reading an American Indian or Alaska Native language?

- Ⓐ I cannot read in an American Indian or Alaska Native language.
- Ⓑ I can read a few words or phrases.
- Ⓒ I can read well.

VH040082

11. Who taught you **most** of what you know about an American Indian or Alaska Native language?

- Ⓐ No one has taught me about an American Indian or Alaska Native language.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

Section 1

VH158483

12. During 4th grade, have you attended school field trips to museums, traditional villages, or other places to learn about American Indian or Alaska Native people?

- Ⓐ Yes
- Ⓑ No

VH153935

13. During 4th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **in school**?

- Ⓐ Yes, once or twice
- Ⓑ Yes, three or more times
- Ⓒ No

VH153940

14. During 4th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **outside of school**?

- Ⓐ Yes, once or twice
- Ⓑ Yes, three or more times
- Ⓒ No

VH153945

15. **In school**, do you have access to a **library, media center, or resource center** with books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people?

- Ⓐ Yes
- Ⓑ No

VH040212

16. When my teacher talks about American Indian or Alaska Native history or culture, I try to read more about it.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VC759280

17. I enjoy reading about American Indian or Alaska Native people.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VC759283

18. I enjoy reading about people who have different traditions and cultures (ways of life, customs) than I have.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040240

19. I put a lot of effort into my schoolwork.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040276

20. I want to be one of the best students in my class.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040379

21. I enjoy being challenged in my classes.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040382

22. I feel that I belong at school.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040391

23. If I put in enough effort, I will succeed in school.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Agree
- Ⓓ Strongly agree

VH040394

24. Trying hard in school will help me live a good life when I grow up.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Agree
- Ⓓ Strongly agree

VC759288

25. How often does **a parent or someone else from your family** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VC759289

VH040389

26. How often does **a teacher or another adult from your school** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VC759290

VC759293

27. How often does **another student from your school** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

28. How often do **you** help other students from your school with their schoolwork? For example, you might help other students to study for a test, help them with a school project, or go over their homework with them.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

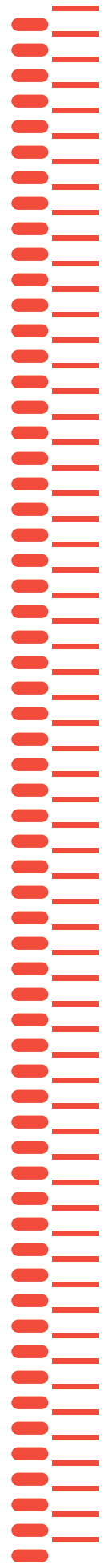
29. How much do you like school?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ Somewhat
- Ⓓ Very much

VC759294

30. Do you know the name of the American Indian tribe or Alaska Native group you belong to or are enrolled in?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I'm not sure.



VC759295

31. If you know the name of the American Indian tribe or Alaska Native group that you belong to or are enrolled in, or if you think you know it, please print it on the line below. Do not worry about spelling. If you belong to more than one American Indian tribe or Alaska Native group, write the names of as many as you know.

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VC759297

32. What else would you like to say about yourself, your school, or about American Indian or Alaska Native people? Use these lines to write your ideas.

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**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**





## **Appendix F-1z: 2015 Operational Grade 8 NIES**

## National Indian Education Study

### Grade 8 Student Questionnaire

Some of the questions are about your American Indian or Alaska Native background. When you answer these questions, think about the American Indian tribe or Alaska Native group to which you and your family belong. You may call your tribe or group a nation, a village, a band, or a community.

If you are connected to more than one American Indian tribe or Alaska Native group, answer for the one you know best.

1. How much do you know about each of the following? Fill in **one** oval on each line.

VC996578

	Nothing	A little	Some	A lot	
a. Your American Indian or Alaska Native history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996581
b. Your American Indian or Alaska Native traditions and culture (way of life, customs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996582
c. Issues today that are important to American Indian or Alaska Native people	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996583

2. Who taught you **most** of what you know about American Indian or Alaska Native history?

VH039733

- A No one has taught me about American Indian or Alaska Native history.
- B Family members
- C Friends
- D Teachers
- E Tribal representatives or elders
- F Someone else (please specify): \_\_\_\_\_

Section 1

VH039760

3. Who taught you **most** of what you know about American Indian or Alaska Native traditions (ways of life, customs)?

- Ⓐ No one has taught me about American Indian or Alaska Native traditions.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VH039931

4. Who taught you **most** of what you know about issues today that are important to American Indian or Alaska Native people?

- Ⓐ No one has taught me about issues today that are important to American Indian or Alaska Native people.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_



VC996584

5. How often have you participated in each of the following? Fill in **one** oval on each line.

	Never	Every few years	At least once a year	Several times a year	
a. Ceremonies and gatherings for people from your American Indian tribe or Alaska Native group	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996586
b. Ceremonies and gatherings that bring people together from many different American Indian tribes or Alaska Native groups	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996587
c. Other American Indian or Alaska Native activities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996589

VC759193

6. How often do members of your family talk to each other in your American Indian or Alaska Native language?

- A Never or hardly ever
- B Once or twice a month
- C Once or twice a week
- D Every day or almost every day

VC759195

7. How often do people in your school talk to each other in your American Indian or Alaska Native language?

- A Never or hardly ever
- B Once or twice a month
- C Once or twice a week
- D Every day or almost every day

Section 1

VH153907

8. How often do you attend classes **in school** that are taught in an American Indian or Alaska Native language?
- Ⓐ My school does not offer classes that are taught in an American Indian or Alaska Native language.
  - Ⓑ Never or hardly ever
  - Ⓒ Once or twice a month
  - Ⓓ Once or twice a week
  - Ⓔ Every day or almost every day

VH040050

9. How do you rate yourself in speaking an American Indian or Alaska Native language?
- Ⓐ I cannot speak an American Indian or Alaska Native language.
  - Ⓑ I can speak a few words or phrases.
  - Ⓒ I can speak well.

VH040067

10. How do you rate yourself in reading an American Indian or Alaska Native language?
- Ⓐ I cannot read in an American Indian or Alaska Native language.
  - Ⓑ I can read a few words or phrases.
  - Ⓒ I can read well.

VH040082

11. Who taught you **most** of what you know about an American Indian or Alaska Native language?

- Ⓐ No one has taught me about an American Indian or Alaska Native language.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VC996590

12. During 8th grade, how often have any of your teachers talked to your class about the history, traditions, and cultures (ways of life, customs) of American Indian or Alaska Native people?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VH158490

13. During 8th grade, have you attended any of the following activities **organized by your school**? Fill in **one** oval on each line.

- |   | Yes | No |          |
|---|-----|----|----------|
| a. Presentations by American Indian or Alaska Native people about their traditions and cultures (ways of life, customs) | Ⓐ   | Ⓑ  | VH158491 |
| b. American Indian or Alaska Native art and craft demonstrations  | Ⓐ   | Ⓑ  | VH158492 |
| c. Traditional American Indian or Alaska Native music and/or dance performances   | Ⓐ   | Ⓑ  | VH158493 |
| d. Field trips to museums, traditional villages, or other places to learn about American Indian or Alaska Native people | Ⓐ   | Ⓑ  | VH158494 |

VH040140

14. During 8th grade, have you participated in any of the following activities **organized by your school**? Fill in **one** oval on each line.

- |  | Yes | No |          |
|--|-----|----|----------|
| a. Sports team   | Ⓐ   | Ⓑ  | VH040143 |
| b. Music club, orchestra, or band  | Ⓐ   | Ⓑ  | VH040147 |
| c. Cultural dances or other American Indian or Alaska Native activities (for example, drum groups) | Ⓐ   | Ⓑ  | VH040150 |
| d. Academic club (for example, math club)  | Ⓐ   | Ⓑ  | VH040152 |



VH159106

15. During 8th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **in school**?

- (A) Yes, once or twice
- (B) Yes, three or more times
- (C) No

VH159110

16. During 8th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **outside of school**?

- (A) Yes, once or twice
- (B) Yes, three or more times
- (C) No

VH153945

17. **In school**, do you have access to a **library, media center, or resource center** with books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people?

- (A) Yes
- (B) No

VC996624

18. Here are some sentences about reading. Fill in **one** oval on each line to show whether the sentence describes a person like you.

- |  | This is<br>not like<br>me. | This is a<br>little like<br>me. | This is a<br>lot like<br>me. |          |
|--|----------------------------|---------------------------------|------------------------------|----------|
| a. When my teacher talks about American Indian or Alaska Native history or culture, I try to read more about it. | <input type="radio"/> (A)  | <input type="radio"/> (B)       | <input type="radio"/> (C)    | VH043704 |
| b. I enjoy reading about American Indian or Alaska Native people.  | <input type="radio"/> (A)  | <input type="radio"/> (B)       | <input type="radio"/> (C)    | VC996627 |
| c. I enjoy reading about people who have different traditions and cultures (ways of life, customs) than I have.  | <input type="radio"/> (A)  | <input type="radio"/> (B)       | <input type="radio"/> (C)    | VC996628 |



Section 1

VH040130

19. Here are some sentences about your school. Fill in **one** oval on each line to show whether the sentence describes a person like you.

- |   | This is<br>not like<br>me. | This is a<br>little like<br>me. | This is a<br>lot like<br>me. |          |
|---|----------------------------|---------------------------------|------------------------------|----------|
| a. I put a lot of effort into my schoolwork.          | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040131 |
| b. I want to be one of the best students in my class. | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040134 |
| c. I enjoy being challenged in my classes.            | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040137 |
| d. I feel that I belong at school.                    | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040138 |

VH040157

20. How much do you agree with each of the following statements? Fill in **one** oval on each line.

- |  | Strongly<br>disagree | Disagree | Agree | Strongly<br>agree |          |
|--|----------------------|----------|-------|-------------------|----------|
| a. If I put in enough effort, I will succeed in school.          | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040158 |
| b. If I put in enough effort in school, I will get into college. | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040160 |
| c. If I put in enough effort in school, I will get a good job.   | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040161 |

VC759293

21. How much do you like school?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ Somewhat
- Ⓓ Very much



VC996661

22. How much are the things you are learning in school preparing you for the life you want to lead?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ A fair amount
- Ⓓ Very much

VC996641

23. During 8th grade, how often have you talked with any of your teachers outside of regular class periods? For example, to get extra help with your assignments, to talk about issues that matter to you, or just to visit.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VH040389

24. How often do **you** help other students from your school with their schoolwork? For example, you might help other students to study for a test, help them with a school project, or go over their homework with them.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VC996635

25. How often do any of the following people help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you. Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. A parent or someone else from my family	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996636
b. A teacher or another adult from my school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996637
c. Another student	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996639
d. A tribal representative or elder	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH018268

VC996644

26. During 8th grade, how many times have you talked to each of the following people about the classes you should take in high school or about what you want to do after high school? Fill in **one** oval on each line.

	Never	One time	Two or three times	Four or more times	
a. A family member	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996645
b. A teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996646
c. A school counselor	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996647
d. Another student	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996648
e. A tribal representative or elder	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH026209
f. Someone else who lives in my community or is a friend of my family	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH026211



VC996650

27. Which of the following would you plan to do in your first year after high school? Fill in **as many ovals as apply**.

- |  |     |          |
|--|-----|----------|
| a. Go to college full time   | (A) | VC996651 |
| b. Go to college part time   | (B) | VC996652 |
| c. Go to another school (for example, career training, technical, or trade/vocational) full time | (C) | VC996653 |
| d. Go to another school (for example, career training, technical, or trade/vocational) part time | (D) | VC996654 |
| e. Join the military   | (E) | VC996655 |
| f. Work full time  | (F) | VC996656 |
| g. Work part time  | (G) | VC996657 |
| h. Travel  | (H) | VC996658 |
| i. Care for family   | (I) | VC996659 |
| j. I don't know.   | (J) | VC996660 |

VH040216

28. To what extent is each of the following a problem in your school? Fill in **one** oval on each line.

- |                                      | Not at all | Small extent | Moderate extent | Large extent |          |
|--------------------------------------|------------|--------------|-----------------|--------------|----------|
| a. Student tardiness                 | (A)        | (B)          | (C)             | (D)          | VH040217 |
| b. Student health problems           | (A)        | (B)          | (C)             | (D)          | VH040219 |
| c. Student misbehavior in class      | (A)        | (B)          | (C)             | (D)          | VH040221 |
| d. Physical conflicts among students | (A)        | (B)          | (C)             | (D)          | VH040223 |
| e. Bullying                          | (A)        | (B)          | (C)             | (D)          | VH040226 |
| f. Low student motivation            | (A)        | (B)          | (C)             | (D)          | VH040227 |

Section 1

VC759294

29. Do you know the name of the American Indian tribe or Alaska Native group you belong to or are enrolled in?

- A Yes
- B No
- C I'm not sure.

VC759295

30. If you know the name of the American Indian tribe or Alaska Native group that you belong to or are enrolled in, or if you think you know it, please print it on the line below. Do not worry about spelling. If you belong to more than one American Indian tribe or Alaska Native group, write the names of as many as you know.

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VC759297

31. What else would you like to say about yourself, your school, or about American Indian or Alaska Native people? Use these lines to write your ideas.

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**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**



## **Appendix F-1aa: 2016 Cognitive Interviews Grade 8 Civics**

[Grade 8 Social Sciences: Civics Student #1]

In which of the following grades have you learned about civics and United States government?		Yes, I took a class or course mainly focused on civics and United States government.	Yes, I took a class or course that included some civics and United States government topics.	No, I did not take a class or course that taught civics and United States government topics.	I don't know.
Select <b>one or more</b> answer choices on each row.					
a.	5th grade	A	B	C	D
b.	6th grade	A	B	C	D
c.	7th grade	A	B	C	D
d.	8th grade	A	B	C	D

[Grade 8 Social Sciences: Civics Student #2]

In your social studies class this year, how often have you studied the following topics?		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
Select <b>one</b> answer choice on each row.						
a.	The United States Constitution	A	B	C	D	E
b.	The legislative branch (for example, Congress)	A	B	C	D	E
c.	The executive branch (for example, the President and the cabinet)	A	B	C	D	E
d.	The judicial branch (for example, the court system)	A	B	C	D	E
e.	How laws are made	A	B	C	D	E
f.	Political parties, elections, and voting	A	B	C	D	E
g.	State and local government	A	B	C	D	E
h.	Other countries' governments	A	B	C	D	E
i.	International organizations (for example, the United Nations)	A	B	C	D	E
j.	Current political events	A	B	C	D	E
k.	Issues affecting our society today	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #3]

During this school year, how often do you do each of the following?						
Select <b>one</b> 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 or United States government textbook	A	B	C	D	E
b.	Read extra material about civics and United States government not in the regular textbook (for example, newspapers, magazines, online sources)	A	B	C	D	E
c.	Discuss material about civics and United States government with peers or teachers	A	B	C	D	E
d.	Listen to the teacher talk about civics and United States government topics	A	B	C	D	E
e.	Conduct research about civics and United States government topics (for example, in a library or through interviews or observations)	A	B	C	D	E
f.	Listen to and/or view online content about civics and United States government topics	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #4]

During this school year so far, how often have you done each of the following?						
Select <b>one</b> 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 United States government topics	A	B	C	D	E
b.	Gave class presentations on civics and United States government topics	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #5]

During this school year so far, how often have you done each of the following?						
Select <b>one</b> answer choice on each row.						
	Never	Once	Two or three times	Four or five times	More than five times	
a.	Written about your position on community problems or social issues (for example, in a letter, e-mail, or blog post)	A	B	C	D	E
b.	Took part in political debates or panel discussions	A	B	C	D	E
c.	Took part in role-playing, mock trials, or dramas about civics and American government topics	A	B	C	D	E
d.	Worked with an organization on an issue in the community	A	B	C	D	E
e.	Attended a community event (for example, a city council meeting or a fundraiser for a local school)	A	B	C	D	E



[Grade 8 Social Sciences: Civics Student #6]

During this school year, how often do you do each of the following when you study civics or United States government?						
Select <b>one</b> 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.	Study the roles and functions of the three branches of the United States government	A	B	C	D	E
b.	Study the rights and responsibilities of United States citizens	A	B	C	D	E
c.	Study how the United States influences and is influenced by world affairs	A	B	C	D	E
d.	Compare the roles and responsibilities of United States local, state, and national government	A	B	C	D	E
e.	Study why it is important to pay attention to government and public affairs	A	B	C	D	E
f.	Study why it is important for individuals to participate in the political process and/or government	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #7]

During this school year, how often do you do each of the following when you study civics or United States government?						
Select <b>one</b> 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.	Support an opinion about an issue or problem with reasons and examples	A	B	C	D	E
b.	Discuss politics or public affairs with others	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #8]

In your social studies class this year, how often do you get the following assignments?						
Select <b>one</b> answer choice on each row.						
		<b>Never or hardly ever</b>	<b>Less than half of the lessons</b>	<b>About half of the lessons</b>	<b>More than half of the lessons</b>	<b>All or almost all of the lessons</b>
a.	Assignments that you have to complete together with other students	A	B	C	D	E
b.	Short written responses (for example, a paragraph or less)	A	B	C	D	E
c.	Assignments that use different forms of media (for example, photos, video, music)	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #9]

In your social studies class this year so far, how often have you received the following assignments?						
Select <b>one</b> answer choice on each row.						
		<b>Never</b>	<b>Once</b>	<b>Two or three times</b>	<b>Four or five times</b>	<b>More than five times</b>
a.	Long written responses (for example, several paragraphs)	A	B	C	D	E
b.	Responses to questions based on information from several documents (for example, letters, cartoons, maps)	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #10]

In a typical week, how much time do you spend on <b>social studies</b> homework?	<b>Less than 30 minutes a day</b>	<b>30 minutes up to 1 hour a day</b>	<b>1 up to 2 hours a day</b>	<b>2 up to 3 hours a day</b>	<b>3 up to 4 hours a day</b>	<b>More than 4 hours a day</b>
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[Grade 8 Social Sciences: Civics Student #11]

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 <b>one</b> answer choice on each row.						
	<b>Never or hardly ever</b>	<b>Once in a while</b>	<b>Sometimes</b>	<b>Often</b>	<b>Always or almost always</b>	
a.	Organize information about civics or United States government topics by creating tables, charts, or graphs	A	B	C	D	E
b.	Create multimedia reports or projects about civics or United States government (for example, a slide presentation that combines text and video clips)	A	B	C	D	E
c.	Participate in online discussions about civics or United States government on a website (for example, in forums or social media)	A	B	C	D	E
d.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, films)	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #12]

How much does each of the following statements describe a person like you?						
Select <b>one</b> answer choice on each row.						
	<b>Not at all like me</b>	<b>A little bit like me</b>	<b>Somewhat like me</b>	<b>Quite a bit like me</b>	<b>Exactly like me</b>	
a.	Civics and United States government are my favorite topics to study.	A	B	C	D	E
b.	Schoolwork about civics and United States government is easy for me.	A	B	C	D	E
c.	I don't like schoolwork about civics and United States government.	A	B	C	D	E
d.	I enjoy doing schoolwork about civics and United States government.	A	B	C	D	E
e.	I try to avoid my schoolwork about civics and United States government as much as possible.	A	B	C	D	E
f.	I enjoy discussing civics and United States government topics with others.	A	B	C	D	E
g.	My civics or United States government schoolwork helps me understand what is happening in the world around me.	A	B	C	D	E
h.	Learning about civics and United States government topics will be important for my future.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #13]

How much education do you think you will complete?	I will not finish high school.	I will graduate from high school.	I will have some education after high school.	I will graduate from college.	I will go to graduate school.	I don't know.
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[Grade 8 Social Sciences: Civics Student #14]

What do you expect that your main activity will be in the year after you leave high school?	Working full time	Attending a vocational, technical, or business school	Attending a two-year college	Attending a four-year college, service academy, or university	Serving in the military	Other
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[Grade 8 Social Sciences: Civics Student #15]

During this school year, how often do you do each of the following <b>outside of school</b> ?						
Select <b>one</b> 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	B	C	D	E	
b. Watch movies, videos, and/or TV programs about current political events	A	B	C	D	E	
c. Communicate with public officials about an issue or problem	A	B	C	D	E	
d. Participate in volunteer activities in your community	A	B	C	D	E	
e. Talk about politics or public affairs with others	A	B	C	D	E	
f. Discuss current political events or issues with people in my home	A	B	C	D	E	
g. Participate in a community organization	A	B	C	D	E	

[Grade 8 Social Sciences: Civics Student #16]

How often do you receive help from a tutor, family member, or friend with social studies <b>outside of school or after school</b> ?	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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[Grade 8 Social Sciences: Civics Student #17]

How much does each of the following statements describe a person like you?						
Select <b>one</b> answer choice on each row.						
	<b>Not at all like me</b>	<b>A little bit like me</b>	<b>Somewhat like me</b>	<b>Quite a bit like me</b>	<b>Exactly like me</b>	
a.	I am committed to serve in my community.	A	B	C	D	E
b.	I think that it is important to volunteer.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #18]

How much does each of the following statements describe a person like you?						
Select <b>one</b> answer choice on each row.						
	<b>Not at all like me</b>	<b>A little bit like me</b>	<b>Somewhat like me</b>	<b>Quite a bit like me</b>	<b>Exactly like me</b>	
a.	I am involved in volunteer opportunities in the community.	A	B	C	D	E
b.	I work to improve my community.	A	B	C	D	E
c.	I help members of my community.	A	B	C	D	E
d.	I stay informed of events in my community.	A	B	C	D	E
e.	I participate in discussions about issues that affect my community.	A	B	C	D	E
f.	I contribute to charitable organizations within the community.	A	B	C	D	E
g.	I am involved in volunteer opportunities in the community as part of a school or class requirement.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #19]

How much do you agree with the following statements?						
Select <b>one</b> answer choice on each row.						
	<b>Not at all</b>	<b>A little bit</b>	<b>Somewhat</b>	<b>Quite a bit</b>	<b>A lot</b>	
a.	I believe I can make a difference in my community.	A	B	C	D	E
b.	By working with others in the community, I can help make things better.	A	B	C	D	E
c.	Being actively involved in community issues is my responsibility.	A	B	C	D	E
d.	Being concerned about state and local issues is an important responsibility for everybody.	A	B	C	D	E
e.	I have good ideas for programs and projects that would help solve problems in my community.	A	B	C	D	E
f.	In the next three years, I expect to be involved in improving my community.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #20]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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 or United States government student.	A	B	C	D	E
b.	I want to show others that my civics or United States government schoolwork is easy for me.	A	B	C	D	E
c.	I want to look smart in comparison to the other students in my class.	A	B	C	D	E
d.	I want to get better grades than most other students in my class.	A	B	C	D	E
e.	I want to avoid making mistakes in front of my classmates.	A	B	C	D	E
f.	I want to hide that I have a hard time understanding the material in my class.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #21]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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 in my class.	A	B	C	D	E
b.	I want to master a lot of new skills in my class.	A	B	C	D	E
c.	I want to pass my class.	A	B	C	D	E
d.	I want to become a better civics or United States government student this year.	A	B	C	D	E
e.	I want to get good grades in my class.	A	B	C	D	E
f.	I want to understand as much as I can in my class.	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #22]

Do you think that you would be able to do each of the following?						
Select <b>one</b> 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	A	B	C	D	E
b.	Explain the rights and responsibilities of United States citizens	A	B	C	D	E
c.	Explain how the United States influences and is influenced by world affairs	A	B	C	D	E
d.	Compare the roles and responsibilities of United States local, state, and national government	A	B	C	D	E
e.	Explain why it is important to pay attention to government and public affairs	A	B	C	D	E
f.	Explain why it is important for individuals to participate in the political process and/or government	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #23]

Do you think that you would be able to do each of the following?						
Select <b>one</b> answer choice on each row.						
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Support an opinion about an issue or problem with reasons and examples	A	B	C	D	E
b.	Discuss politics or public affairs with others	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #24]

Do you think that you would be able to do each of the following?						
Select <b>one</b> answer choice on each row.						
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Understand other people's perspectives on social issues (for example, neighborhood safety, Internet privacy, and environmental conservation)	A	B	C	D	E
b.	Form an effective plan for addressing social issues	A	B	C	D	E
c.	Use social media to change perceptions of an issue	A	B	C	D	E
d.	Talk effectively to adults about social issues	A	B	C	D	E
e.	Facilitate a discussion about a social issue	A	B	C	D	E

[Grade 8 Social Sciences: Civics Student #25]

In your social studies class 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 came to my social studies class prepared.	A	B	C	D	E
b.	I remembered and followed directions from my social studies teacher.	A	B	C	D	E
c.	I started working on social studies assignments right away rather than waiting until the last minute.	A	B	C	D	E
d.	I paid attention and resisted distractions during social studies class.	A	B	C	D	E
e.	I stayed on task without reminders from my social studies teacher.	A	B	C	D	E
f.	I paid attention in my social studies class even when I was not interested.	A	B	C	D	E



## **Appendix F-1ab: 2016 Cognitive Interviews Grade 8 Geography**

[Grade 8 Social Sciences: Geography Student #1]

In which of the following grades have you learned about geography?					
Select <b>one or more</b> answer choices 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 know.
a.	5th grade	A	B	C	D
b.	6th grade	A	B	C	D
c.	7th grade	A	B	C	D
d.	8th grade	A	B	C	D

[Grade 8 Social Sciences: Geography Student #2]

In your social studies class this year, how often have you studied the following skills and topics?						
Select <b>one</b> 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.	Using physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes	A	B	C	D	E
b.	Natural resources (for example, oil, forests, and water)	A	B	C	D	E
c.	Countries and cultures	A	B	C	D	E
d.	Environmental issues (for example, pollution, recycling, climate change, genetically modified food)	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #3]

During this school year, how often do you do each of the following?					
Select <b>one</b> 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	A	B	C	D	E
b. Read extra material about geography not in the regular textbook (for example, newspapers, magazines, online sources)	A	B	C	D	E
c. Discuss material about geography with peers or teachers	A	B	C	D	E
d. Listen to the teacher talk about geography topics	A	B	C	D	E
e. Conduct research about geography topics (for example, in a library or through interviews or observations)	A	B	C	D	E
f. Listen to and/or view online content about geography topics	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #4]

During this school year so far, how often have you done each of the following?					
Select <b>one</b> 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	A	B	C	D	E
b. Gave class presentations on geography topics	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #5]

During this school year so far, how often have you done each of the following?					
Select <b>one</b> answer choice on each row.					
	Never	Once	Two or three times	Four or five times	More than five times
a. Written about your position on geographic problems or issues (for example, in a letter, e-mail, or blog post)	A	B	C	D	E
b. Took part in environmental debates or panel discussions	A	B	C	D	E
c. Worked with an organization on an environmental issue in the community	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #6]

During this school year, how often do you do each of the following when you study geography?						
Select <b>one</b> 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.	Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	A	B	C	D	E
b.	Examine how information moves from place to place	A	B	C	D	E
c.	Examine how natural features of the Earth, for example rivers and mountains, are formed	A	B	C	D	E
d.	Measure distances and areas on maps	A	B	C	D	E
e.	Examine what makes different regions in the United States unique	A	B	C	D	E
f.	Examine different types of weather and climate	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #7]

During this school year, how often do you do each of the following when you study geography?						
Select <b>one</b> 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.	Examine why groups of people migrate to different parts of the world	A	B	C	D	E
b.	Examine how humans affect and adapt to the natural environment	A	B	C	D	E
c.	Examine why different food and energy resources are traded globally	A	B	C	D	E
d.	Compare and contrast cultures, for example language and religion	A	B	C	D	E
e.	Use geographic information, for example maps, satellite images, or census data, to answer a question or solve a problem	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #8]

In your social studies class this year, how often do you get the following assignments?					
Select <b>one</b> 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	B	C	D	E
b. Short written responses (for example, a paragraph or less)	A	B	C	D	E
c. Assignments that use different forms of media (for example, photos, video, music)	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #9]

In your social studies class this year so far, how often have you received the following assignments?					
Select <b>one</b> answer choice on each row.					
	Never	Once	Two or three times	Four or five times	More than five times
a. Long written responses (for example, several paragraphs)	A	B	C	D	E
b. Responses to questions based on information from several documents (for example, letters, cartoons, maps)	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #10]

In a typical week, how much time do you spend on 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

[Grade 8 Social Sciences: Geography Student #11]

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 or hardly**                      **Once in a while**                      **Sometimes**                      **Often**                      **Always or almost**  
**ever**                      **Once in a while**                      **Sometimes**                      **Often**                      **always**

a.	Use games or apps in which you play the role of an explorer, geographer, anthropologist, or historian	A	B	C	D	E
b.	Create or use maps using geographic information systems (GIS)	A	B	C	D	E
c.	Organize information about geography topics by creating tables, charts, or graphs	A	B	C	D	E
d.	Create multimedia reports or projects about geography (for example, a slide presentation that combines text and video clips)	A	B	C	D	E
e.	Participate in online discussions about geography on a website (for example, in forums or social media)	A	B	C	D	E
f.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, films)	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #12]

How much does each of the following statements describe a person like you?					
Select <b>one</b> 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	B	C	D	E
b. Schoolwork about geography is easy for me.	A	B	C	D	E
c. I don't like schoolwork about geography.	A	B	C	D	E
d. I enjoy doing schoolwork about geography.	A	B	C	D	E
e. I try to avoid my schoolwork about geography as much as possible.	A	B	C	D	E
f. I enjoy discussing geography topics with others.	A	B	C	D	E
g. My geography schoolwork helps me understand what is happening in the world around me.	A	B	C	D	E
h. Learning about geography topics will be important for my future.	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #13]

How much education do you think you will complete?	I will not finish high school.	I will graduate from high school.	I will have some education after high school.	I will graduate from college.	I will go to graduate school.	I don't know.
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[Grade 8 Social Sciences: Geography Student #14]

What do you expect that your main activity will be in the year after you leave high school?	Working full time	Attending a vocational, technical, or business school	Attending a two-year college	Attending a four-year college, service academy, or university	Serving in the military	Other
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[Grade 8 Social Sciences: Geography Student #15]

During this school year, how many times have you done each of the following <b>outside of school</b> ?					
Select <b>one</b> 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 mapping tools such as Google Maps or Bing Maps	A	B	C	D	E
b. Read news stories about current events related to physical systems (for example, natural disasters, etc.)	A	B	C	D	E
c. Read about geographic issues	A	B	C	D	E
d. Participate in environmental conservation volunteer activities	A	B	C	D	E
e. Give friends or family directions on how to get somewhere	A	B	C	D	E
f. Look up geographic information in books or on the web	A	B	C	D	E
g. Travel to places outside of your town	A	B	C	D	E
h. Talk to friends or family about geographical topics	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #16]

	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
How often do you receive help from a tutor, family member, or friend with social studies <b>outside of school or after school</b> ?					



[Grade 8 Social Sciences: Geography Student #17]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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 geography student.	A	B	C	D	E
b.	I want to show others that my geography schoolwork is easy for me.	A	B	C	D	E
c.	I want to look smart in comparison to the other students in my class.	A	B	C	D	E
d.	I want to get better grades than most other students in my class.	A	B	C	D	E
e.	I want to avoid making mistakes in front of my classmates.	A	B	C	D	E
f.	I want to hide that I have a hard time understanding the material in my class.	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #18]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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 in my class.	A	B	C	D	E
b.	I want to master a lot of new skills in my class.	A	B	C	D	E
c.	I want to pass my class.	A	B	C	D	E
d.	I want to become a better geography student this year.	A	B	C	D	E
e.	I want to get good grades in my class.	A	B	C	D	E
f.	I want to understand as much as I can in my class.	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #19]

Do you think that you would be able to do each of the following?					
Select <b>one</b> answer choice on each row.					
	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>
a. Use a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	A	B	C	D	E
b. Explain how information moves from place to place	A	B	C	D	E
c. Describe how natural features of the Earth, for example rivers and mountains, are formed	A	B	C	D	E
d. Measure distances and areas on maps	A	B	C	D	E
e. Describe what makes different regions in the United States unique	A	B	C	D	E
f. Describe different types of weather and climate	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #20]

Do you think that you would be able to do each of the following?					
Select <b>one</b> answer choice on each row.					
	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>
a. Explain why groups of people migrate to different parts of the world	A	B	C	D	E
b. Explain how humans affect and adapt to the natural environment	A	B	C	D	E
c. Explain why different food and energy resources are traded globally	A	B	C	D	E
d. Compare and contrast cultures, for example language and religion	A	B	C	D	E
e. Use geographic information, for example maps, satellite images, or census data, to answer a question or solve a problem	A	B	C	D	E

[Grade 8 Social Sciences: Geography Student #21]

In your social studies class this school year, how often have you done each of the following?		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
Select <b>one</b> answer choice on each row.						
a.	I came to my social studies class prepared.	A	B	C	D	E
b.	I remembered and followed directions from my social studies teacher.	A	B	C	D	E
c.	I started working on social studies assignments right away rather than waiting until the last minute.	A	B	C	D	E
d.	I paid attention and resisted distractions during social studies class.	A	B	C	D	E
e.	I stayed on task without reminders from my social studies teacher.	A	B	C	D	E
f.	I paid attention in my social studies class even when I was not interested.	A	B	C	D	E

## **Appendix F-1ac: 2016 Cognitive Interviews Grade 8 U.S. History**

[Grade 8 Social Sciences: U.S. History Student #1]

In which of the following grades have you learned about United States history?				
Select <b>one or more</b> answer choices 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 know.
a. 5th grade	A	B	C	D
b. 6th grade	A	B	C	D
c. 7th grade	A	B	C	D
d. 8th grade	A	B	C	D

[Grade 8 Social Sciences: U.S. History Student #2]

In your social studies class this year, how often have you studied the following periods?					
Select <b>one</b> 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. The period before 1815 (e.g., age of exploration, colonization, settlement, American Revolution)	A	B	C	D	E
b. 1815 to 1865 (e.g., expansion, reform, sectionalism, Civil War)	A	B	C	D	E
c. 1865 to 1945 (e.g., Reconstruction, industrial growth, United States' role in world affairs, immigration, the Great Depression, the First and Second World Wars)	A	B	C	D	E
d. 1945 to the present (e.g., Cold War, civil rights movement, women's rights movement, Vietnam war, environmental movement)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #3]

During this school year, how often do you do each of the following?					
Select <b>one</b> 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	A	B	C	D	E
b. Read extra material about United States history not in the regular textbook (for example, newspapers, magazines, online sources)	A	B	C	D	E
c. Use primary sources (for example, letters, diaries, photographs, film, or essays written by people from the past)	A	B	C	D	E
d. Discuss material about United States history with peers or teachers	A	B	C	D	E
e. Listen to the teacher talk about United States history topics	A	B	C	D	E
f. Conduct research about United States history topics (for example, in a library or through interviews or observations)	A	B	C	D	E
g. Listen to and/or view online content about United States history topics	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #4]

During this school year so far, how often have you done each of the following?					
Select <b>one</b> 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	B	C	D	E
b. Gave class presentations on United States history topics	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #5]

During this school year so far, how often have you done each of the following?					
Select <b>one</b> answer choice on each row.					
	Never	Once	Two or three times	Four or five times	More than five times
a. Written about your position on historical issues (for example, in a letter, e-mail, or blog post)	A	B	C	D	E
b. Took part in historical debates or panel discussions	A	B	C	D	E
c. Took part in role-playing, mock trials, or dramas about United States history topics	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #6]

During this school year, how often do you do each of the following when you study United States history?						
Select <b>one</b> 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.	Examine the causes and effects of important events in United States history	A	B	C	D	E
b.	Examine the relationship between events and themes in United States history (for example, between the American Revolution and the spread of democratic ideals)	A	B	C	D	E
c.	Compare and contrast different time periods in United States history	A	B	C	D	E
d.	Study how to judge the reliability of a source (for example, text, visual graphics, video, audio)	A	B	C	D	E
e.	Identify how different events that happened at the same time are related to each other (for example, how the end of Second World War relates to the formation of the United Nations)	A	B	C	D	E
f.	Learn about historical events were affected by when and where it took place (for example, how westward expansion was affected by the Rocky Mountains and the availability of fertile farmland)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #7]

During this school year, how often do you do each of the following when you study United States history?						
Select <b>one</b> 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.	Analyze the relationship between historical developments	A	B	C	D	E
b.	Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	A	B	C	D	E
c.	Create research questions about causes of historical events (for example, what were the causes of the Great Depression)	A	B	C	D	E
d.	Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #8]

In your social studies class this year, how often do you get the following assignments?						
Select <b>one</b> 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	B	C	D	E
b.	Short written responses (for example, a paragraph or less)	A	B	C	D	E
c.	Assignments that use different forms of media (for example, photos, video, music)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #9]

In your social studies class this year so far, how often have you received the following assignments?						
Select <b>one</b> answer choice on each row.		Never	Once	Two or three times	Four or five times	More than five times
a.	Long written responses (for example, several paragraphs)	A	B	C	D	E
b.	Responses to questions based on information from several documents (for example, letters, cartoons, maps)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #10]

Approximately how many hours a week 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

[Grade 8 Social Sciences: U.S. History Student #11]

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 <b>one</b> answer choice on each row.		Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always
a.	Use games or apps in which you play the role of an explorer, geographer, anthropologist, or historian	A	B	C	D	E
b.	Organize information about United States history topics by creating tables, charts, or graphs	A	B	C	D	E
c.	Combine words, images, and sounds to create multimedia reports or projects about United States history	A	B	C	D	E
d.	Participate in online discussions about United States history on a website (for example, in forums or social media)	A	B	C	D	E
e.	Use the Internet to look for evidence or sources (for example, text documents, photographic images, films)	A	B	C	D	E



[Grade 8 Social Sciences: U.S. History Student #12]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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.	History is one of my favorite subjects to study.	A	B	C	D	E
b.	Schoolwork about United States history is easy for me.	A	B	C	D	E
c.	I don't like schoolwork about United States history.	A	B	C	D	E
d.	I enjoy doing schoolwork about United States history.	A	B	C	D	E
e.	I try to avoid my schoolwork about United States history as much as possible.	A	B	C	D	E
f.	I enjoy discussing United States history topics with others.	A	B	C	D	E
g.	My United States history schoolwork helps me understand what is happening in the world around me.	A	B	C	D	E
h.	Learning about United States history topics will be important for my future.	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #13]

How much education do you think you will complete?	I will not finish high school.	I will graduate from high school.	I will have some education after high school.	I will graduate from college.	I will go to graduate school.	I don't know.

[Grade 8 Social Sciences: U.S. History Student #14]

What do you expect that your main activity will be in the year after you leave high school?	Working full time	Attending a vocational, technical, or business school	Attending a two-year college	Attending a four-year college, service academy, or university	Serving in the military	Other

[Grade 8 Social Sciences: U.S. History Student #15]

During this school year, how many times have you done each of the following <b>outside of school</b> ?					
Select <b>one</b> answer choice on each row.	<b>Never</b>	<b>About once or twice a year</b>	<b>About once or twice a month</b>	<b>About once or twice a week</b>	<b>Every day or almost every day</b>
a. Read books about history	A	B	C	D	E
b. Watch movies, videos, or TV programs about history	A	B	C	D	E
c. Play video games about history	A	B	C	D	E
d. Go to history museums or historical sites	A	B	C	D	E
e. Do online research related to historical topics	A	B	C	D	E
f. Visit websites about historical topics	A	B	C	D	E
g. Talk to friends or family about historical topics	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #16]

	<b>Never</b>	<b>About once or twice a year</b>	<b>About once or twice a month</b>	<b>About once or twice a week</b>	<b>Every day or almost every day</b>
How often do you receive help from a tutor, family member, or friend with social studies <b>outside of school or after school</b> ?					

[Grade 8 Social Sciences: U.S. History Student #17]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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.	A	B	C	D	E
b.	I want to show others that my United States history schoolwork is easy for me.	A	B	C	D	E
c.	I want to look smart in comparison to the other students in my class.	A	B	C	D	E
d.	I want to get better grades than most other students in my class.	A	B	C	D	E
e.	I want to avoid making mistakes in front of my classmates in my class.	A	B	C	D	E
f.	I want to hide that I have a hard time understanding the material in my class.	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #18]

How much does each of the following statements describe a person like you?						
Select <b>one</b> 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 in my class.	A	B	C	D	E
b.	I want to master a lot of new skills in my class.	A	B	C	D	E
c.	I want to pass my class.	A	B	C	D	E
d.	I want to become a better United States history student this year.	A	B	C	D	E
e.	I want to get good grades in my class.	A	B	C	D	E
f.	I want to understand as much as I can in my class.	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #19]

Do you think that you would be able to do each of the following?						
Select <b>one</b> 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	A	B	C	D	E
b.	Explain the relationship between events and themes in United States history (for example, between the American Revolution and the spread of democratic ideals)	A	B	C	D	E
c.	Compare and contrast different time periods in United States history	A	B	C	D	E
d.	Judge the reliability of a source (for example, text, visual graphics, video, audio)	A	B	C	D	E
e.	Explain how different events that happened at the same time are related to each other (for example, how the end of Second World War relates to the formation of the United Nations)	A	B	C	D	E
f.	Explain how historical events were affected by when and where it took place (for example, how westward expansion was affected by the Rocky Mountains and the availability of fertile farmland)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #20]

Do you think that you would be able to do each of the following?						
Select <b>one</b> answer choice on each row.						
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a.	Understand the relationship between historical developments	A	B	C	D	E
b.	Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	A	B	C	D	E
c.	Create research questions about causes of historical events (for example, what were the causes of the Great Depression)	A	B	C	D	E
d.	Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #21]

In your social studies class this school year, how often have you done each of the following?		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
Select <b>one</b> answer choice on each row.						
a.	I came to my social studies class prepared.	A	B	C	D	E
b.	I remembered and followed directions from my social studies teacher.	A	B	C	D	E
c.	I started working on social studies assignments right away rather than waiting until the last minute.	A	B	C	D	E
d.	I paid attention and resisted distractions during social studies class.	A	B	C	D	E
e.	I stayed on task without reminders from my social studies teacher.	A	B	C	D	E
f.	I paid attention in my social studies class even when I was not interested.	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #22]

How much does each of the following statements describe a person like you?		Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me
Select <b>one</b> answer choice on each row.						
a.	To understand a historical event, I think it is necessary to know the circumstances that existed before the event.	A	B	C	D	E
b.	I form opinions about historical events only after I have information from more than one source.	A	B	C	D	E
c.	I need to know the history leading up to an event to truly understand it.	A	B	C	D	E
d.	Knowing about the background of a time and place in history makes it more understandable to me.	A	B	C	D	E
e.	I want to know what lies behind the story when I study a conflict in history.	A	B	C	D	E
f.	When I study historical conflicts, I want to learn the different points of view of all parties involved in those conflicts.	A	B	C	D	E

[Grade 8 Social Sciences: U.S. History Student #23]

How much does each of the following statements describe a person like you?						
Select <b>one</b> answer choice on each row.						
	<b>Not at all like me</b>	<b>A little bit like me</b>	<b>Somewhat like me</b>	<b>Quite a bit like me</b>	<b>Exactly like me</b>	
a.	I try to understand others better by imagining how things look from their perspective.	A	B	C	D	E
b.	I try to look at everybody's side of a disagreement before I make a decision.	A	B	C	D	E
c.	I believe that there is more than one side to every question, and I try to look at all of them.	A	B	C	D	E

**Appendix F-1ad: 2015 Special Study Grade 4 Computer Access and Familiarity Study**

1. How much do you know about using computers and other digital devices?

- Ⓐ I hardly know anything at all.
- Ⓑ I know something.
- Ⓒ I know quite a bit.
- Ⓓ I know a lot.

2. **At home**, do you have a **laptop or desktop computer** that is only for your use?

- Ⓐ Yes
- Ⓑ No

3. **At home**, is there a **laptop or desktop computer** that is shared between you and others?

- Ⓐ Yes
- Ⓑ No

4. **At home**, do you have a **tablet** that is only for your use?

- Ⓐ Yes
- Ⓑ No

5. **At home**, is there a **tablet** that is shared between you and others?

- Ⓐ Yes
- Ⓑ No



6. **At home**, do you have **Wi-Fi** or some other **Internet connection** you can use?

- Ⓐ Yes
- Ⓑ No

7. **At home**, do you have a **smartphone** that is only for your use?

- Ⓐ Yes
- Ⓑ No

8. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

9. When did you first use a **tablet**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

10. When did you first use a **smartphone**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth grade

11. On a **weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

12. On a **weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

13. **At school**, were you taught how to type on a computer keyboard using the correct fingers?

- A Yes
- B No

14. **At school**, were you taught how to write sentences and paragraphs using a computer?

- A Yes
- B No

15. **At school**, were you taught how to edit text using a computer?

- A Yes
- B No

16. **At school**, were you taught how to search for information on the Internet?

- A Yes
- B No

17. **At school**, were you taught how to use a tablet?

- A Yes
- B No

18. **At school**, were you taught how to draw a picture using a computer?

- A Yes
- B No

19. **At school**, were you taught how to look up the meaning of a word using a computer?

- A Yes
- B No

20. **At school**, are there **laptop or desktop computers** that you can use for schoolwork?

- A Yes
- B No

21. **At school**, are there **tablets** that you can use for schoolwork?

- A Yes
- B No

22. **At school**, is there **Wi-Fi** or some other **Internet connection** you can use for schoolwork?

- A Yes
- B No

23. Does your teacher use a computer when teaching your class?

- Ⓐ Yes
- Ⓑ No

24. Does your teacher require you to use computers in the classroom?

- Ⓐ Yes
- Ⓑ No

25. Has your school assigned you a **laptop or desktop computer** that only you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take it home with me.
- Ⓒ Yes, and I can take it home with me (laptop only).

26. Has your school assigned you a **tablet** that only you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take it home with me.
- Ⓒ Yes, and I can take it home with me.

27. **This school year**, how often have you used a **laptop or desktop computer** to write a short paper (less than a page) for school?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

28. **This school year**, how often have you used a **laptop or desktop computer** to write a paper for school that was longer than a page?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

29. **This school year**, how often have you used a **laptop or desktop computer** to search the Internet for a school project?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

30. **This school year**, how often have you used a **laptop or desktop computer** to practice things in **mathematics** that you were having trouble learning?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

31. **This school year**, how often have you used a **laptop or desktop computer** to practice things in **reading** that you were having trouble learning?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

32. **This school year**, how often have you used a **laptop or desktop computer** to take a test?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

33. **This school year**, how often have you used a **tablet** to write a short paper (less than a page) for school?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

34. **This school year**, how often have you used a **tablet** to write a paper for school that was longer than a page?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

35. **This school year**, how often have you used a **tablet** to search the Internet for a school project?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week



36. **This school year**, how often have you used a **tablet** to practice things in **mathematics** that you were having trouble learning?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

37. **This school year**, how often have you used a **tablet** to practice things in **reading** that you were having trouble learning?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

38. **This school year**, how often have you used a **tablet** to take a test?

- Ⓐ Never
- Ⓑ A few times
- Ⓒ Once every few weeks
- Ⓓ About once a week
- Ⓔ More than once a week

39. Which best describes the way you type on a computer keyboard?

- Ⓐ I don't know how to type using a computer keyboard.
- Ⓑ I can type with one or two fingers, but I have to search for where the letter keys are.
- Ⓒ I can type with one or two fingers, and I know where most of the letter keys are.
- Ⓓ I can type with all ten fingers when I look at the keyboard.
- Ⓔ I can type with all ten fingers without looking at the keyboard.

40. Compared to other students in your class, how fast do you type on a computer keyboard?

- Ⓐ I am slower than most students.
- Ⓑ I type about the same speed as others.
- Ⓒ I am faster than most students.
- Ⓓ I don't know.

41. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer

42. Do you think you would be able to write sentences and paragraphs using a computer?

- Ⓐ I definitely can't.
- Ⓑ I probably can't.
- Ⓒ I probably can.
- Ⓓ I definitely can.

43. Do you think you would be able to edit text using a computer?

- Ⓐ I definitely can't.
- Ⓑ I probably can't.
- Ⓒ I probably can.
- Ⓓ I definitely can.

44. Do you think you would be able to use a touchscreen on a computer, tablet, or smartphone?

- Ⓐ I definitely can't.
- Ⓑ I probably can't.
- Ⓒ I probably can.
- Ⓓ I definitely can.

45. Do you think you would be able to look up the meaning of a word using a computer?

- Ⓐ I definitely can't.
- Ⓑ I probably can't.
- Ⓒ I probably can.
- Ⓓ I definitely can.

46. Do you think you would be able to draw a picture using a computer?

- Ⓐ I definitely can't.
- Ⓑ I probably can't.
- Ⓒ I probably can.
- Ⓓ I definitely can.

## **Appendix F-1ae: 2015 Special Study Grade 8 Computer Access and Familiarity Study**

1. How much do you know about using computers and other digital devices?

- Ⓐ I hardly know anything at all.
- Ⓑ I know something.
- Ⓒ I know quite a bit.
- Ⓓ I know a lot.

2. **At home**, do you have any of the following? Fill in **one** oval on each line.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	Ⓐ	Ⓑ	VH155283
b. A <b>laptop or desktop computer</b> that is shared between you and others	Ⓐ	Ⓑ	VH155284
c. A <b>tablet</b> that is only for your use	Ⓐ	Ⓑ	VH155280
d. A <b>tablet</b> that is shared between you and others	Ⓐ	Ⓑ	VH155281
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	Ⓐ	Ⓑ	VH155285
f. A <b>smartphone</b> that is only for your use	Ⓐ	Ⓑ	VH155287

3. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

4. When did you first use a **tablet**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

5. When did you first use a **smartphone**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

6. **On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

7. On a weekday, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

8. Were you taught any of the following **at school**? Fill in **one** oval on each line.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	Ⓐ	Ⓑ	VH155375
b. How to write sentences and paragraphs using a computer	Ⓐ	Ⓑ	VH155376
c. How to edit text using a computer	Ⓐ	Ⓑ	VH176918
d. How to search for information on the Internet	Ⓐ	Ⓑ	VH155377
e. How to use a tablet	Ⓐ	Ⓑ	VH155378
f. How to draw a picture using a computer	Ⓐ	Ⓑ	VH155379
g. How to look up the meaning of a word using a computer	Ⓐ	Ⓑ	VH155380
h. How to create a spreadsheet using a computer	Ⓐ	Ⓑ	VH155381
i. How to create a presentation using a computer	Ⓐ	Ⓑ	VH155382
j. How to run simulations using a computer	Ⓐ	Ⓑ	VH155384
k. How to write a computer program or app	Ⓐ	Ⓑ	VH155385
l. How to create a graph or chart using a computer	Ⓐ	Ⓑ	VH155386
m. How to maintain a website or blog	Ⓐ	Ⓑ	VH155387
n. How to install new software or apps	Ⓐ	Ⓑ	VH155388
o. How to troubleshoot problems with a computer	Ⓐ	Ⓑ	VH155383

9. Which of the following are true about the ways in which you and your teachers use computers **at school**? Fill in **one** oval on each line.

	Yes	No	
a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155479
b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155482
c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH182383
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH155484
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH155485

10. Has your school assigned you a **laptop or desktop computer** that only you can use?

- A No  
 B Yes, but I cannot take it home with me.  
 C Yes, and I can take it home with me (laptop only).

11. Has your school assigned you a **tablet** that only you can use?

- A No  
 B Yes, but I cannot take it home with me.  
 C Yes, and I can take it home with me.



12. This school year, how often have you used a **laptop or desktop computer** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH155496
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155497
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155498
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176943
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176945
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176946
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224684
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224685
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224690

13. This school year, how often have you used a **tablet** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH155525
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155528
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155527
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176938
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176925
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176927
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224714
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224720
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224725

14. Which best describes the way you type on a computer keyboard?

- Ⓐ I don't know how to type using a computer keyboard.
- Ⓑ I can type with one or two fingers, but I have to search for where the letter keys are.
- Ⓒ I can type with one or two fingers, and I know where most of the letter keys are.
- Ⓓ I can type with all ten fingers when I look at the keyboard.
- Ⓔ I can type with all ten fingers without looking at the keyboard.

15. Compared to other students in your English/language arts class, how fast do you type on a computer keyboard?

- Ⓐ I am slower than most students.
- Ⓑ I type about the same speed as others.
- Ⓒ I am faster than most students.
- Ⓓ I don't know.

16. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer

17. Do you think you would be able to do each of the following? Fill in **one** oval on each line.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	(A)	(B)	(C)	(D)	VH176967
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH176970
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH155810
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH155811
f. View or download digital media	(A)	(B)	(C)	(D)	VH155800
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH155820
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH155802
i. Install new software or apps	(A)	(B)	(C)	(D)	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH155805
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH155806
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH155807
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH155808
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH155809
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH155812
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH224738

18. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

Please read the descriptions of the following four eighth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

- 19. Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

20. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

21. **Susan** often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Susan is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10



22. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Kevin is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

23. How familiar are you with each of the following? Fill in **one** oval on each line.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	(A)	(B)	(C)	(D)	VH155751
b. Wi-Fi	(A)	(B)	(C)	(D)	VH155752
c. Firewall	(A)	(B)	(C)	(D)	VH155753
d. Hyperlink	(A)	(B)	(C)	(D)	VH155756
e. Neuro-digital computing	(A)	(B)	(C)	(D)	VH155757
f. Instant messaging	(A)	(B)	(C)	(D)	VH155758
g. CPU	(A)	(B)	(C)	(D)	VH155759
h. Track changes	(A)	(B)	(C)	(D)	VH155760
i. Cut and paste	(A)	(B)	(C)	(D)	VH155761
j. Pyramidal browser	(A)	(B)	(C)	(D)	VH155762
k. Pivot table	(A)	(B)	(C)	(D)	VH155763
l. Spreadsheet	(A)	(B)	(C)	(D)	VH155765
m. Limbic wire	(A)	(B)	(C)	(D)	VH155766
n. Spinalbyte	(A)	(B)	(C)	(D)	VH155767
o. Cloud computing	(A)	(B)	(C)	(D)	VH155768
p. Server	(A)	(B)	(C)	(D)	VH155769
q. Root directory	(A)	(B)	(C)	(D)	VH155770
r. Compiler	(A)	(B)	(C)	(D)	VH155771
s. ASCII	(A)	(B)	(C)	(D)	VH155772
t. Callosum board	(A)	(B)	(C)	(D)	VH155779

**Appendix F-1af: 2015 Special Study Grade 12 Computer Access and Familiarity Study**

1. How much do you know about using computers and other digital devices?

- Ⓐ I hardly know anything at all.
- Ⓑ I know something.
- Ⓒ I know quite a bit.
- Ⓓ I know a lot.

2. **At home**, do you have any of the following? Fill in **one** oval on each line.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	Ⓐ	Ⓑ	VH155283
b. A <b>laptop or desktop computer</b> that is shared between you and others	Ⓐ	Ⓑ	VH155284
c. A <b>tablet</b> that is only for your use	Ⓐ	Ⓑ	VH155280
d. A <b>tablet</b> that is shared between you and others	Ⓐ	Ⓑ	VH155281
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	Ⓐ	Ⓑ	VH155285
f. A <b>smartphone</b> that is only for your use	Ⓐ	Ⓑ	VH155287

3. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

4. When did you first use a **tablet**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

5. When did you first use a **smartphone**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

6. **On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

7. On a weekday, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

8. Were you taught any of the following **at school**? Fill in **one** oval on each line.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	Ⓐ	Ⓑ	VH155375
b. How to write sentences and paragraphs using a computer	Ⓐ	Ⓑ	VH155376
c. How to edit text using a computer	Ⓐ	Ⓑ	VH176918
d. How to search for information on the Internet	Ⓐ	Ⓑ	VH155377
e. How to use a tablet	Ⓐ	Ⓑ	VH155378
f. How to draw a picture using a computer	Ⓐ	Ⓑ	VH155379
g. How to look up the meaning of a word using a computer	Ⓐ	Ⓑ	VH155380
h. How to create a spreadsheet using a computer	Ⓐ	Ⓑ	VH155381
i. How to create a presentation using a computer	Ⓐ	Ⓑ	VH155382
j. How to run simulations using a computer	Ⓐ	Ⓑ	VH155384
k. How to write a computer program or app	Ⓐ	Ⓑ	VH155385
l. How to create a graph or chart using a computer	Ⓐ	Ⓑ	VH155386
m. How to maintain a website or blog	Ⓐ	Ⓑ	VH155387
n. How to install new software or apps	Ⓐ	Ⓑ	VH155388
o. How to troubleshoot problems with a computer	Ⓐ	Ⓑ	VH155383

9. Which of the following are true about the ways in which you and your teachers use computers **at school**? Fill in **one** oval on each line.

	Yes	No	
a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155479
b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155482
c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH182383
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH155484
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH155485

10. Has your school assigned you a **laptop or desktop computer** that only you can use?
- A No
  - B Yes, but I cannot take it home with me.
  - C Yes, and I can take it home with me (laptop only).

11. Has your school assigned you a **tablet** that only you can use?
- A No
  - B Yes, but I cannot take it home with me.
  - C Yes, and I can take it home with me.

12. This school year, how often have you used a **laptop or desktop computer** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH155496
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155497
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155498
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176943
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176945
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176946
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224684
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224685
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224690



13. This school year, how often have you used a **tablet** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH155525
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155528
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155527
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176938
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176925
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176927
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224714
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224720
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224725

14. Which best describes the way you type on a computer keyboard?

- Ⓐ I don't know how to type using a computer keyboard.
- Ⓑ I can type with one or two fingers, but I have to search for where the letter keys are.
- Ⓒ I can type with one or two fingers, and I know where most of the letter keys are.
- Ⓓ I can type with all ten fingers when I look at the keyboard.
- Ⓔ I can type with all ten fingers without looking at the keyboard.

15. Compared to other students in your English/language arts class, how fast do you type on a computer keyboard?

- Ⓐ I am slower than most students.
- Ⓑ I type about the same speed as others.
- Ⓒ I am faster than most students.
- Ⓓ I don't know.

16. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer

17. Do you think you would be able to do each of the following? Fill in **one** oval on each line.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	(A)	(B)	(C)	(D)	VH176967
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH176970
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH155810
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH155811
f. View or download digital media	(A)	(B)	(C)	(D)	VH155800
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH155820
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH155802
i. Install new software or apps	(A)	(B)	(C)	(D)	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH155805
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH155806
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH155807
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH155808
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH155809
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH155812
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH224738

18. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you**?

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

Please read the descriptions of the following four twelfth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

- 19. Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

20. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

21. **Susan** often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Susan is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

22. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Kevin is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10



23. How familiar are you with each of the following? Fill in **one** oval on each line.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155751
b. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155752
c. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155753
d. Hyperlink	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155756
e. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155757
f. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155758
g. CPU	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155759
h. Track changes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155760
i. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155761
j. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155762
k. Pivot table	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155763
l. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155765
m. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155766
n. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155767
o. Cloud computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155768
p. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155769
q. Root directory	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155770
r. Compiler	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155771
s. ASCII	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155772
t. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155779

## **Appendix F-1ag: 2016 Cognitive Interviews Grade 8 Reading**

[Grade 8 Reading: Student #1]

VH260228

In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center?

- A. Never
- B. About once or twice a year
- C. About once or twice a month
- D. About once or twice a week
- E. Every day or almost every day

[Grade 8 Reading: Student #2]

VH260407

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?

- A. Less than 30 minutes
- B. 30 minutes up to 1 hour
- C. 1 up to 2 hours
- D. 2 up to 3 hours
- E. 3 up to 4 hours
- F. More than 4 hours

**Appendix F-1ah: 2016 Cognitive Interviews Grade 8 Mathematics**

[Grade 8 Mathematics: Student #1]

TBD

How often do you play digital games (for example, apps, video games, or computer games) **outside of school** that involve math?

- A. Never
- B. About once or twice a year
- C. About once or twice a month
- D. About once or twice a week
- E. Every day or almost every day

[Grade 8 Mathematics: Student #2]

TBD

How often do you use a computer, tablet, smartphone or gaming console **outside of school** to play **educational games** that involve math?

- A. Never
- B. About once or twice a year
- C. About once or twice a month
- D. About once or twice a week
- E. Every day or almost every day

[Grade 8 Mathematics: Student #3]

TBD

How often do you use a computer, tablet, smartphone or gaming console **outside of school** to play **popular games** that involve math?

- A. Never
- B. About once or twice a year
- C. About once or twice a month
- D. About once or twice a week
- E. Every day or almost every day

[Grade 8 Mathematics: Student #4]

TBD

Have you ever participated in a math study group **outside of school**?

- A. Yes
- B. No

[Grade 8 Mathematics: Student #5]

TBD

Over the past seven days, how many days have you participated in a math study group **outside of school**? Enter the number of days.

\_\_\_\_\_

[Grade 8 Mathematics: Student #6]

TBD

Have you ever participated in a math study group **at school**?

- A. Yes
- B. No

[Grade 8 Mathematics: Student #7]

TBD

Over the past seven days, how many days have you participated in a math study group **at school**?  
Enter the number of days.

\_\_\_\_\_

[Grade 8 Mathematics: Student #8]

TBD						
Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select <b>one</b> answer choice on each row.						
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Draw a bar graph to represent the number of desks, chairs, and tables in your classroom	A	B	C	D	E	TBD
b. Use a box plot to represent the height, in inches, of all of the students in your class	A	B	C	D	E	TBD
c. Determine the probability of picking a blue marble without looking if you know the number of marbles of each color in a bag	A	B	C	D	E	TBD
d. List all of the different possible outcomes when a coin is flipped three times	A	B	C	D	E	TBD
e. Create an expression that represents the average number of miles you run in a week if you run 100 miles in $w$ weeks	A	B	C	D	E	TBD
f. Create an expression to show how old you will be in $n$ years if you are 8 years old today	A	B	C	D	E	TBD
g. Create an expression that shows number of wheels on $n$ wagons if each wagon has 4 wheels	A	B	C	D	E	TBD
h. Explain how you know the number of books you can buy if you know the price of each book and you have \$35	A	B	C	D	E	TBD

[Grade 8 Mathematics: Student #9]

TBD						
Thinking about math, do you think that you would be able to do each of the following? Select <b>one</b> 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 or incorrect	A	B	C	D	E	TBD
b. Give an example to show that a math statement is false	A	B	C	D	E	TBD

[Grade 8 Mathematics: Student #10]

TBD						
Thinking about math, do you think that you would be able to do each of the following? Select <b>one</b> answer choice on each row.						
	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Use correct words, symbols, and notation to communicate ideas about math	A	B	C	D	E	TBD
b. Use correct math notation when showing your work	A	B	C	D	E	TBD
c. Explain to your classmate how you solved a math problem	A	B	C	D	E	TBD
d. Use definitions of geometric shapes to support an argument	A	B	C	D	E	TBD



## Appendix 7-2: Teacher Questionnaires

**Table F.c.** Assessment years for the teacher survey questionnaires and appendix parts.

	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Appendix Parts</b>
Grade 4 Core (BET)	X	X	X	F-2a, F-2b, F-2c
Grade 8 Core (BET-Reading)	X		X	F-2d, F-2e
Grade 8 Core (BET-Mathematics)	X		X	F-2e, F-2f
Grade 8 Core (BET-Science)		X	X	F-2g
Grade 8 Core (BET-Writing)	X		X	F-2e, F-2h
Grade 8 Core (BET-Social Studies)	X	X		F-2i
Grade 8 Core (BET-All subjects)			X	F-2ab
Grade 4 Reading	X		X	F-2j, F-2k
Grade 8 Reading	X		X	F-2l, F-2m, F-2ac
Grade 4 Mathematics	X		X	F-2n, F-2o
Grade 8 Mathematics	X		X	F-2p, F-2q, F-2ad
Grade 4 Science		X	X	F-2r
Grade 8 Science		X	X	F-2s
Grade 4 Writing	X		X	F-2t
Grade 8 Writing	X		X	F-2u, F-2v
Grade 8 Social Studies	X	X		F-2w, F-2aa
Grade 4 NIES			X	F-2x
Grade 8 NIES			X	F-2y
Grade 4 & 8 Giving Back		X	X	F-2z

**Table F.d.** Teacher survey questionnaires provided in the appendix parts.

	<b>Appendix</b>	<b>Survey Questionnaire</b>
<b>Grade 4 Core (BET)</b>	F-2a	2012 Pilot Grade 4 Core (BET)
<b>Grade 4 Core (BET)</b>	F-2b	2015 Operational Grade 4 Core (BET)
<b>Grade 4 Core (BET)</b>	F-2c	2016 Pilot Grade 4 Core (BET)
<b>Grade 8 Core (BET-Reading)</b>	F-2d	2015 Operational Grade 8 Core (Reading BET)
<b>Grade 8 Core (BET-Reading, Mathematics, Writing)</b>	F-2e	2016 Pilot Grade 8 Core (Reading, Mathematics, Writing BET)
<b>Grade 8 Core (BET-Mathematics)</b>	F-2f	2015 Operational Grade 8 Core (Mathematics BET)
<b>Grade 8 Core (BET-Science)</b>	F-2g	2015 Operational Grade 8 Core (Science BET)
<b>Grade 8 Core (BET-Writing)</b>	F-2h	2011 Operational Grade 8 Core (Writing BET)
<b>Grade 8 Core (BET-Social Studies)</b>	F-2i	2014 Operational Grade 8 Core (Social Studies BET)
<b>Grade 8 Core (BET-All subjects)</b>	F-2ab	2016 Cognitive Interviews Grade 8 Core (BET-All subjects)
<b>Grade 4 Reading (COI)</b>	F-2j	2015 Operational Grade 4 Reading (COI)
<b>Grade 4 Reading (COI)</b>	F-2k	2016 Pilot Grade 4 Reading (COI)
<b>Grade 8 Reading (COI)</b>	F-2l	2015 Operational Grade 8 Reading (COI)
<b>Grade 8 Reading (COI)</b>	F-2m	2016 Pilot Grade 8 Reading (COI)
<b>Grade 8 Reading (COI)</b>	F-2ac	2016 Cognitive Interviews Grade 8 Reading (COI)
<b>Grade 4 Mathematics (COI)</b>	F-2n	2015 Operational Grade 4 Mathematics (COI)
<b>Grade 4 Mathematics (COI)</b>	F-2o	2016 Pilot Grade 4 Mathematics (COI)
<b>Grade 8 Mathematics (COI)</b>	F-2p	2015 Operational Grade 8 Mathematics (COI)
<b>Grade 8 Mathematics (COI)</b>	F-2q	2016 Pilot Grade 8 Mathematics (COI)
<b>Grade 8 Mathematics (COI)</b>	F-2ad	2016 Cognitive Interviews Grade 8 Mathematics (COI)
<b>Grade 4 Science (COI)</b>	F-2r	2015 Operational Grade 4 Science (COI)
<b>Grade 8 Science (COI)</b>	F-2s	2015 Operational Grade 8 Science (COI)
<b>Grade 4 Writing (COI)</b>	F-2t	2012 Pilot Grade 4 Writing (COI)
<b>Grade 8 Writing (COI)</b>	F-2u	2011 Operational Grade 8 Writing (COI)
<b>Grade 8 Writing (COI)</b>	F-2v	2016 Pilot Grade 8 Writing (COI)
<b>Grade 8 Social Studies (COI)</b>	F-2w	2014 Operational Grade 8 Social Studies (COI)

<b>Grade 8 Social Studies</b>	F-2aa	2016 Cognitive Interviews Grade 8 Social Studies
<b>Grade 4 NIES</b>	F-2x	2015 Operational Grade 4 NIES
<b>Grade 8 NIES</b>	F-2y	2015 Operational Grade 8 NIES
<b>Grade 4 &amp; 8 Giving Back</b>	F-2z	2015 Operational Grade 4 & 8 Giving Back Items

**Appendix F-2a: 2012 Pilot Grade 4 Core (BET)**

## Teacher Questionnaire – Grade 4

### Part I: Background, Education, and Training

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

VB331330

- Ⓐ 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.

2. Which of the following best describes you? Fill in **one or more ovals**.

VB331331

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

3. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

VE577729

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

4. Have you been awarded tenure by the school where you currently teach?

VE577841

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school does not award tenure.

5. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?

VE577753

- Ⓐ Yes, I hold a permanent certificate. → *Go to Question 6.*
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.) → *Go to Question 6.*
- Ⓒ No, but I am currently working toward certification. → *Skip to Question 9.*
- Ⓓ No, and I am not planning to obtain certification. → *Skip to Question 9.*

6. Are you certified to teach in the subjects you are currently teaching?

VE577758

- Ⓐ I am certified to teach all subjects that I am currently teaching.
- Ⓑ I am certified to teach at least one subject that I am currently teaching.
- Ⓒ I am not certified to teach the subjects that I am currently teaching.

7. Are you certified to teach at the grade levels that you are currently teaching?

VE592138

- Ⓐ I am certified to teach at all grade levels that I am currently teaching.
- Ⓑ I am certified to teach at one or more of the grade levels that I am currently teaching.
- Ⓒ I am not certified to teach at the grade levels that I am currently teaching.

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 nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- Ⓐ Yes → *Go to Question 9.*
- Ⓑ No → *Skip to Question 10.*

9. Which of the following best describes your occupation immediately prior to becoming a teacher? Fill in only **one** oval.

- Ⓐ College/university student
- Ⓑ College/university faculty
- Ⓒ Business/industry
- Ⓓ Military
- Ⓔ Health care professional
- Ⓕ Government
- Ⓖ Nongovernment, nonprofit organization
- Ⓗ Homemaker/caregiver
- Ⓘ Retired
- Ⓝ Unemployed
- Ⓚ Other (specify): \_\_\_\_\_



10. Are you certified by the National Board for Professional Teaching Standards?

(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.)

- Ⓐ Yes, and I am certified in a specific content and/or developmental area. → *Go to Question 11.*
- Ⓑ Yes, and I have generalist certification. → *Skip to Question 12.*
- Ⓒ No → *Skip to Question 14.*
- Ⓓ I don't know. → *Skip to Question 14.*

11. In which of the following content areas are you certified by the National Board for Professional Teaching Standards? Fill in ovals for **all** that apply.

- Ⓐ Art
- Ⓑ Career and Technical Education
- Ⓒ English as a New Language
- Ⓓ English Language Arts
- Ⓔ Exceptional Needs Specialist
- Ⓕ Generalist
- Ⓖ Health Education
- Ⓗ Library Media
- Ⓙ Literacy: Reading-Language Arts
- Ⓚ Mathematics
- Ⓛ Music
- Ⓛ Physical Education
- Ⓜ School Counseling
- Ⓝ Science
- Ⓞ Social Studies-History
- Ⓟ World Languages other than English

12. Are you certified in the content areas that you are currently teaching by the National Board for Professional Teaching Standards?

- Ⓐ I am certified in all content areas that I am currently teaching.
- Ⓑ I am certified in at least one content area that I am currently teaching.
- Ⓒ I am not certified in the content areas that I am currently teaching.

VE592146

13. Are you certified in the developmental areas that you are currently teaching by the National Board for Professional Teaching Standards?

- Ⓐ I am certified in all developmental areas that I am currently teaching.
- Ⓑ I am certified in at least one developmental area that I am currently teaching.
- Ⓒ I am not certified in the developmental areas that I am currently teaching.

VB333658

14. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Fill in **one** oval on each line.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Reading, language arts, or literacy education	Ⓐ	Ⓑ	Ⓒ	VB378391
b. English	Ⓐ	Ⓑ	Ⓒ	VB378392
c. Other language arts-related subject	Ⓐ	Ⓑ	Ⓒ	VB378394
d. Elementary or secondary education	Ⓐ	Ⓑ	Ⓒ	VB595189
e. Special education (including students with disabilities)	Ⓐ	Ⓑ	Ⓒ	VE113515
f. English language learning	Ⓐ	Ⓑ	Ⓒ	VE113516

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

VE577839

- Ⓐ Yes → *Go to Question 16.*
- Ⓑ No → *Skip to Question 1 in Part II.*

16. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Fill in **one** oval on each line.

VB345619

	Yes, a major	Yes, a minor or special emphasis	No	
a. Reading, language arts, or literacy education	Ⓐ	Ⓑ	Ⓒ	VB378395
b. English	Ⓐ	Ⓑ	Ⓒ	VB378396
c. Other language arts-related subject	Ⓐ	Ⓑ	Ⓒ	VB378398
d. Elementary or secondary education	Ⓐ	Ⓑ	Ⓒ	VB595190
e. Special education (including students with disabilities)	Ⓐ	Ⓑ	Ⓒ	VE113560
f. English language learning	Ⓐ	Ⓑ	Ⓒ	VE113562

**Appendix F-2b: 2015 Operational Grade 4 Core (BET)**

1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

VE577841

4. Have you been awarded tenure by the school where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school does not award tenure.

VF096239

5. 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.
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
- Ⓒ No, but I am currently working toward certification.
- Ⓓ No, and I am not planning to obtain certification.

VF096243

6. 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

7. 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.)

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

8. 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
- Ⓕ Doctorate
- Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)



9. 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. Reading, language arts, or literacy education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378391
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378392
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378394
d. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482657
e. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482658
f. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB608497
g. Biology or other life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595990
h. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595991
i. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595992
j. Other science-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556071
k. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556070
l. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC304764
m. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482660
n. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113515
o. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113516

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

A Yes

B No → Question 11 is not applicable and will be skipped.

11. 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. Reading, language arts, or literacy education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378395
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378396
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378398
d. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473837
e. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473838
f. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473839
g. Biology or other life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595994
h. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595995
i. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595996
j. Other science-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556073
k. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556072
l. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC304761
m. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473840
n. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
o. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562

12. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn reading	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309912
b. Content standards in reading	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309914
c. Curricular materials available in reading (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309915
d. Instructional methods for teaching reading	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309917
e. Methods for assessing students in reading	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309918
f. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309920
g. Strategies for teaching reading to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC309921

13. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543502
b. Mathematics theory or applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543503
c. Content standards in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543504
d. Curricular materials available in mathematics (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543505
e. Instructional methods for teaching mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543506
f. Effective use of manipulatives in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB519181
g. Effective use of calculators in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543507
h. Use of computers or other technology in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543508
i. Methods for assessing students in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543509
j. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543510
k. Issues related to ability grouping in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543511
l. Strategies for teaching mathematics to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543512

14. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304728
b. Scientific inquiry and/or technological design	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304729
c. Content standards in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304730
d. Curricular materials available in science (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304731
e. Instructional methods for teaching science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304732
f. Instructional methods for teaching technological design	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304733
g. Effective use of laboratory activities in science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304734
h. Effective use of information and communication technology (ICT) in science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304736
i. Methods for assessing students in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304738
j. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304739
k. Strategies for teaching science to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304740

15. During the last **two years**, did you participate in or lead any of the following professional development activities **related to the teaching of language arts, science, or mathematics**? Language arts refers to reading, writing, literature, and related topics. Select **all** squares that apply.

	Yes, related to language arts	Yes, related to science	Yes, related to mathematics	No	
a. College course taken after your first certification	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB556179
b. Workshop or training session	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB556180
c. Conference or professional association meeting	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB556181
d. Observational visit to another school	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561282
e. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561283
f. Committee or task force focusing on curriculum, instruction, or student assessment	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561284
g. Regularly scheduled discussion or study group	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561285
h. Teacher collaborative or network (such as one organized by an outside agency or over the Internet)	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561286
i. Individual or collaborative research	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561287
j. Independent reading on a regular basis (for example, educational journals, books, or the Internet)	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561288
k. Co-teaching/team teaching	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561289
l. Consultation with a subject specialist	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D	VB561290

16. Did you lead any of the activities listed in the previous question (Question 15)?

- A Yes  
 B No

17. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191233
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191234
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191235
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191237
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191238

**Appendix F-2c: 2016 Pilot Grade 4 Core (BET)**



1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

4. 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.
- A Desktop computers
  - B Laptop computers
  - C Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - D Other digital devices (Please specify): \_\_\_\_\_

5. Where are **desktop computers** available for student use? Select **all** squares that apply.
- A In some classrooms
  - B In all classrooms
  - C In a media center
  - D In a computer lab
  - E In the school library
  - F Other (Please specify): \_\_\_\_\_

6. How well do the **desktop computers** in your school work?
- A All computers are functional and operate quickly.
  - B All computers are functional, but some run more slowly than others.
  - C All computers are functional, but all or almost all run slowly.
  - D Some of the computers do not operate and cannot be used.
  - E Most of the computers do not operate and cannot be used.
  - F I don't know.

7. Where are **laptop computers** available for student use? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ Other (Please specify): \_\_\_\_\_

8. How well do the **laptop computers** 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.
- Ⓔ Most of the computers do not operate and cannot be used.
- Ⓕ I don't know.

9. Where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for student use? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ Other (Please specify): \_\_\_\_\_

10. How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) 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.
  - Ⓔ Most of the computers do not operate and cannot be used.
  - Ⓕ I don't know.

11. Is there a wireless Internet connection in your school that students can use for schoolwork?
- Ⓐ No
  - Ⓑ Yes, in some areas of the school.
  - Ⓒ Yes, everywhere or almost everywhere in the school.

12. In this school year, did your school provide you with a **laptop computer** to use for teaching and class preparation?
- Ⓐ No
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ Yes, and I can take it home.

13. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, or Kindle Fire) to use for teaching and class preparation?
- Ⓐ No
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ Yes, and I can take it home.

VH294995

14. 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

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

- Ⓐ No
- Ⓑ Once
- Ⓒ Twice
- Ⓓ Several times

VH329318

16. You have a certain amount of intelligence, and you really can't do much to change it.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Somewhat disagree
- Ⓓ Somewhat agree
- Ⓔ Agree
- Ⓕ Strongly agree

17. As you are learning new things, your intelligence can grow.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Somewhat disagree
- Ⓓ Somewhat agree
- Ⓔ Agree
- Ⓕ Strongly agree

18. Based on your experience as a teacher, which of the following do you consider more critical for student success in school?

- Ⓐ Students' general intelligence
- Ⓑ Students' level of effort applied

19. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329967
b. Putting forth a lot of effort	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329968
c. Behaving well in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329970

20. 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 content with my profession as a teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305014
b. I am satisfied with being a teacher at this school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305016
c. I am enthusiastic about my job.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305022
d. My work inspires me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305024
e. I am frustrated as a teacher at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305032
f. I am supported by the teachers at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305033

21. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304693
b. Observe other teachers' classes and provide feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304698
c. Engage in joint activities across different classes and age groups (e.g., projects)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304706
d. Exchange teaching materials with colleagues	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304710
e. Engage in discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304736
f. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304740



22. In your teaching, how important do you consider each of the following? Select **one** circle in each row.

	<b>Not at all important</b>	<b>Not Important</b>	<b>Somewhat important</b>	<b>Quite Important</b>	<b>Extremely Important</b>	
a. Facilitate my students' own inquiry	(A)	(B)	(C)	(D)	(E)	VH304885
b. Teach my students to find solutions to problems on their own	(A)	(B)	(C)	(D)	(E)	VH304890
c. Allow my students to think of solutions to practical problems themselves before showing them how they are solved	(A)	(B)	(C)	(D)	(E)	VH304892
d. Teach my students to improve their thinking and reasoning processes	(A)	(B)	(C)	(D)	(E)	VH304899

**Appendix F-2d: 2015 Operational Grade 8 Core (BET)**

1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

4. Excluding student teaching, how many years have you taught reading, writing, or language arts in grades 6 through 12, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. Have you been awarded tenure by the school where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school does not award tenure.

6. 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.
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
- Ⓒ No, but I am currently working toward certification.
- Ⓓ No, and I am not planning to obtain certification.

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 nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- Ⓐ Yes
- Ⓑ No

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.)

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

9. 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
- Ⓕ Doctorate
- Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

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. Reading, language arts, or literacy education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378391
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378392
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378394
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595189
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113515
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113516

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

- A Yes
- B No → Question 12 is not applicable and will be skipped.

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. Reading, language arts, or literacy education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378395
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378396
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378398
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595190
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562

13. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn English/language arts	(A)	(B)	(C)	(D)	VC310661
b. Content standards in English/language arts	(A)	(B)	(C)	(D)	VC310705
c. Curricular materials available in English/language arts (units, texts)	(A)	(B)	(C)	(D)	VC310706
d. Instructional methods for teaching English/language arts	(A)	(B)	(C)	(D)	VC310707
e. Methods for assessing students in English/language arts	(A)	(B)	(C)	(D)	VC310708
f. Preparation of students for district and state assessments	(A)	(B)	(C)	(D)	VC310710
g. Strategies for teaching English/language arts to students from diverse backgrounds (including English language learners)	(A)	(B)	(C)	(D)	VC310711

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

	Yes	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	VB482599
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VB482600
c. Conference or professional association meeting	<input type="radio"/> A	<input type="radio"/> B	VB482601
d. Observational visit to another school	<input type="radio"/> A	<input type="radio"/> B	VB482642
e. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VB482643
f. Committee or task force focusing on curriculum, instruction, or student assessment	<input type="radio"/> A	<input type="radio"/> B	VB482644
g. Regularly scheduled discussion or study group	<input type="radio"/> A	<input type="radio"/> B	VB482645
h. Teacher collaborative or network, such as one organized by an outside agency or over the Internet	<input type="radio"/> A	<input type="radio"/> B	VB482646
i. Individual or collaborative research	<input type="radio"/> A	<input type="radio"/> B	VB482647
j. Independent reading on a regular basis—for example, educational journals, books, or the Internet	<input type="radio"/> A	<input type="radio"/> B	VB482648
k. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VB482649
l. Consultation with language arts specialist	<input type="radio"/> A	<input type="radio"/> B	VB482650



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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191233
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191234
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191235
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191237
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191238

## **Appendix F-2e: 2016 Pilot Grade 8 Core (BET)**

1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

4. Excluding student teaching, how many years have you taught mathematics in grades 6 through 12, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. Excluding student teaching, how many years have you taught reading, writing, or language arts in grades 6 through 12, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

6. 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.

- Ⓐ Desktop computers
- Ⓑ Laptop computers
- Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
- Ⓓ Other digital devices (Please specify): \_\_\_\_\_

7. Where are **desktop computers** available for student use? Select **all** squares that apply.

- A In some classrooms
- B In all classrooms
- C In a media center
- D In a computer lab
- E In the school library
- F Other (Please specify): \_\_\_\_\_

8. How well do the **desktop computers** in your school work?

- A All computers are functional and operate quickly.
- B All computers are functional, but some run more slowly than others.
- C All computers are functional, but all or almost all run slowly.
- D Some of the computers do not operate and cannot be used.
- E Most of the computers do not operate and cannot be used.
- F I don't know.

9. Where are **laptop computers** available for student use? Select **all** squares that apply.

- A In some classrooms
- B In all classrooms
- C In a media center
- D In a computer lab
- E In the school library
- F Other (Please specify): \_\_\_\_\_

10. How well do the **laptop computers** 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.
- Ⓔ Most of the computers do not operate and cannot be used.
- Ⓕ I don't know.

11. Where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for student use? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ Other (Please specify): \_\_\_\_\_

12. How well do the **tablets** (for example, Surface Pro, iPad, Kindle Fire) 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.
- Ⓔ Most of the computers do not operate and cannot be used.
- Ⓕ I don't know.

VH294501

13. Is there a wireless Internet connection in your school that students can use for schoolwork?
- Ⓐ No
  - Ⓑ Yes, in some areas of the school.
  - Ⓒ Yes, everywhere or almost everywhere in the school.

VH294598

14. In this school year, did your school provide you with a **laptop computer** to use for teaching and class preparation?
- Ⓐ No
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ Yes, and I can take it home.

VH294687

15. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, or Kindle Fire) to use for teaching and class preparation?
- Ⓐ No
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ Yes, and I can take it home.

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?
- Ⓐ No
  - Ⓑ Once
  - Ⓒ Twice
  - Ⓓ Several times

VH329318

18. You have a certain amount of intelligence, and you really can't do much to change it.
- Ⓐ Strongly disagree
  - Ⓑ Disagree
  - Ⓒ Somewhat disagree
  - Ⓓ Somewhat agree
  - Ⓔ Agree
  - Ⓕ Strongly agree

VH329319

19. As you are learning new things, your intelligence can grow.
- Ⓐ Strongly disagree
  - Ⓑ Disagree
  - Ⓒ Somewhat disagree
  - Ⓓ Somewhat agree
  - Ⓔ Agree
  - Ⓕ Strongly agree



20. Based on your experience as a teacher, which of the following do you consider more critical for student success in school?

- Ⓐ Students' general intelligence
- Ⓑ Students' level of effort applied

21. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329967
b. Putting forth a lot of effort	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329968
c. Behaving well in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH329970

22. 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 content with my profession as a teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305014
b. I am satisfied with being a teacher at this school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305016
c. I am enthusiastic about my job.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305022
d. My work inspires me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305024
e. I am frustrated as a teacher at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305032
f. I am supported by the teachers at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH305033

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304693
b. Observe other teachers' classes and provide feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304698
c. Engage in joint activities across different classes and age groups (e.g., projects)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304706
d. Exchange teaching materials with colleagues	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304710
e. Engage in discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304736
f. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304740

24. In your teaching, how important do you consider each of the following? Select **one** circle in each row.

	Not at all important	Not Important	Somewhat important	Quite Important	Extremely Important	
a. Facilitate my students' own inquiry	(A)	(B)	(C)	(D)	(E)	VH304885
b. Teach my students to find solutions to problems on their own	(A)	(B)	(C)	(D)	(E)	VH304890
c. Allow my students to think of solutions to practical problems themselves before showing them how they are solved	(A)	(B)	(C)	(D)	(E)	VH304892
d. Teach my students to improve their thinking and reasoning processes	(A)	(B)	(C)	(D)	(E)	VH304899

**Appendix F-2f: 2015 Operational Grade 8 Core (BET)**

1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

4. Excluding student teaching, how many years have you taught mathematics in grades 6 through 12, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. Have you been awarded tenure by the school where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school does not award tenure.

6. 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.
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
- Ⓒ No, but I am currently working toward certification.
- Ⓓ No, and I am not planning to obtain certification.

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 nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- Ⓐ Yes
- Ⓑ No

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.)

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

9. 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
- Ⓕ Doctorate
- Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

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. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482657
b. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482658
c. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB608497
d. Education (including secondary education)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482938
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113515
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113516

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

A Yes

B No → Question 12 is not applicable and will be skipped.

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. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473837
b. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473838
c. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB473839
d. Education (including secondary education)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482939
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562



13. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543502
b. Mathematics theory or applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543503
c. Content standards in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543504
d. Curricular materials available in mathematics (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543505
e. Instructional methods for teaching mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543506
f. Effective use of manipulatives in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB519181
g. Effective use of calculators in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543507
h. Use of computers or other technology in mathematics instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543508
i. Methods for assessing students in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543509
j. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543510
k. Issues related to ability grouping in mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543511
l. Strategies for teaching mathematics to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB543512

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

	Yes	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	VB482583
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VB482584
c. Conference or professional association meeting	<input type="radio"/> A	<input type="radio"/> B	VB482585
d. Observational visit to another school	<input type="radio"/> A	<input type="radio"/> B	VB482586
e. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VB482587
f. Committee or task force focusing on curriculum, instruction, or student assessment	<input type="radio"/> A	<input type="radio"/> B	VB482588
g. Regularly scheduled discussion or study group	<input type="radio"/> A	<input type="radio"/> B	VB482589
h. Teacher collaborative or network, such as one organized by an outside agency or over the Internet	<input type="radio"/> A	<input type="radio"/> B	VB482590
i. Individual or collaborative research	<input type="radio"/> A	<input type="radio"/> B	VB482591
j. Independent reading on a regular basis—for example, educational journals, books, or the Internet	<input type="radio"/> A	<input type="radio"/> B	VB482592
k. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VB482593
l. Consultation with a mathematics specialist	<input type="radio"/> A	<input type="radio"/> B	VB482594

15. Are you teaching the following mathematics courses to eighth-grade students **this year**? Include honors sections. Select **one** circle in each row.

	Yes	No	
a. Remedial mathematics	<input type="radio"/> A	<input type="radio"/> B	VB543643
b. General mathematics	<input type="radio"/> A	<input type="radio"/> B	VB543644
c. Introduction to algebra/pre-algebra	<input type="radio"/> A	<input type="radio"/> B	VB543645
d. Algebra	<input type="radio"/> A	<input type="radio"/> B	VB543646
e. Integrated or sequential mathematics	<input type="radio"/> A	<input type="radio"/> B	VB543647
f. Geometry	<input type="radio"/> A	<input type="radio"/> B	VB543648

**Appendix F-2g: 2015 Operational Grade 8 Core (BET)**

1. Are you Hispanic or Latino? Select **all** squares that apply.
- Ⓐ 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.

2. Which of the following best describes you? Select **all** squares that apply.
- Ⓐ White
  - Ⓑ Black or African American
  - Ⓒ Asian
  - Ⓓ American Indian or Alaska Native
  - Ⓔ Native Hawaiian or other Pacific Islander

3. 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

4. Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. Have you been awarded tenure by the school where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school does not award tenure.

6. 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.
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
- Ⓒ No, but I am currently working toward certification.
- Ⓓ No, and I am not planning to obtain certification.

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 nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- Ⓐ Yes
- Ⓑ No

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.)

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

9. 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
- Ⓕ Doctorate
- Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595990
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595991
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595992
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595993
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556070
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC304764
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595189
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113515
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113516

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

A Yes

B No → *Question 12 is not applicable and will be skipped.*



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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595994
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595995
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595996
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595997
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB556072
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC304761
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595190
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562

13. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304728
b. Scientific inquiry and/or technological design	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304729
c. Content standards in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304730
d. Curricular materials available in science (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304731
e. Instructional methods for teaching science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304732
f. Instructional methods for teaching technological design	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304733
g. Effective use of laboratory activities in science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304734
h. Effective use of information and communication technology (ICT) in science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304736
i. Methods for assessing students in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304738
j. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304739
k. Strategies for teaching science to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304740

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

	Yes, I have participated.	Yes, I have led.	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323264
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323266
c. Conference or professional association meeting	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323269
d. Observational visit to another school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323272
e. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323273
f. Committee or task force focusing on curriculum, instruction, or student assessment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323277
g. Regularly scheduled discussion or study group	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323280
h. Teacher collaborative or network (such as one organized by an outside agency or over the Internet)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323281
i. Individual or collaborative research	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323283
j. Independent reading on a regular basis (for example, educational journals, books, or the Internet)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323285
k. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323286
l. Consultation with a subject specialist	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC323288

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191233
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191234
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191235
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191237
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191238

**Appendix F-2h: 2011 Operational Grade 8 Core (BET)**

# Writing Teacher Questionnaire – Grade 8

## Part I: Background, Education, and Training

For some questions on this survey, you are asked to fill in numbers. For these questions, please print the appropriate number in each of the boxes provided. Please print legibly with a No. 2 pencil. Keep all printing within the boxes, and erase any stray marks.

Using one number per box, fill in every box. For example, 95 students would be written as:

0 9 5

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

VB331330

- A No, I am not Hispanic or Latino.
- B Yes, I am Mexican, Mexican American, or Chicano.
- C Yes, I am Puerto Rican or Puerto Rican American.
- D Yes, I am Cuban or Cuban American.
- E Yes, I am from some other Hispanic or Latino background.

2. Which of the following best describes you? Fill in **one or more ovals**.

VB331331

- A White
- B Black or African American
- C Asian
- D American Indian or Alaska Native
- E Native Hawaiian or other Pacific Islander

**Questions 3–4.** For the next two questions, include any full-time teaching assignments, part-time teaching assignments, and long-term substitute assignments, but not student teaching.

VB337243

3. Counting this year, how many years have you worked as an elementary or secondary teacher? If less than 4 months total experience, enter “00.”

Years

VB380355

4. Counting this year, how many years have you taught reading, writing, or language arts in grades 6 through 12? If less than 4 months total experience, enter “00.”

Years

VC309863

5. Did you enter teaching through an alternative certification program?

(An alternative 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 certification program.)

Yes

No



VC309874

6. What type of teaching certificate do you hold in the state where you currently teach?
- Ⓐ Regular or standard state certificate or advanced professional certificate → *Skip to Question 8.*
  - Ⓑ Certificate issued after satisfying all requirements except the completion of a probationary period → *Go to Question 7.*
  - Ⓒ Certificate that requires some additional coursework, student teaching, or passage of a test before regular certification can be obtained → *Go to Question 7.*
  - Ⓓ Certificate issued to persons who must complete a certification program in order to continue teaching → *Go to Question 7.*
  - Ⓔ I do not hold any of the above certificates in the state where I currently teach. → *Go to Question 7.*

VB595188

7. Do you hold a currently valid regular or standard certification from a state other than the one in which you are currently teaching?
- Ⓐ Yes
  - Ⓑ No

VC309886

8. This school year, are you a Highly Qualified Teacher (HQT) according to your state's requirements?
- (Generally, to be Highly Qualified, teachers must meet requirements related to 1) a bachelor's degree, 2) full state certification, and 3) demonstrate competency in the subject area(s) taught. The HQT requirement is a provision under the No Child Left Behind (NCLB) Act.)
- Ⓐ Yes
  - Ⓑ I meet my state's requirements for a Highly Qualified Teacher in at least one subject that I teach.
  - Ⓒ No





VC309891

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

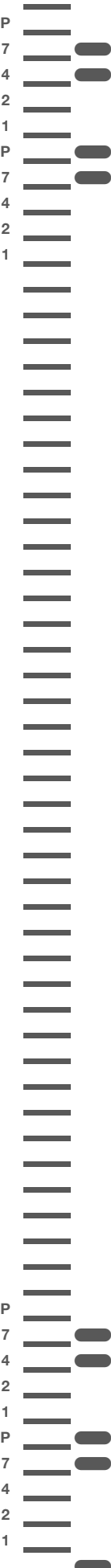
(The National Board for Professional Teaching Standards is a nongovernmental organization that administers National Board certification, a voluntary national assessment program that certifies teachers who meet high professional standards. In order to gain certification, the candidate must at least complete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

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

HE001012

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



11. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Fill in **one** oval on each line.

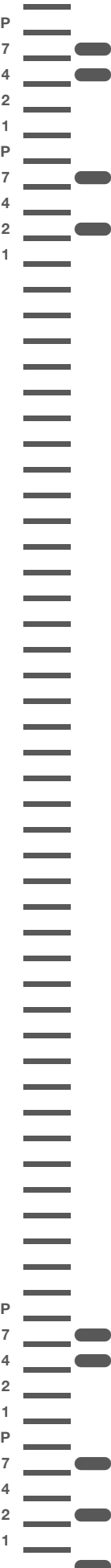
	Yes, a major	Yes, a minor or special emphasis	No	
a. Reading, language arts, or literacy education	Ⓐ	Ⓑ	Ⓒ	VB378391
b. English	Ⓐ	Ⓑ	Ⓒ	VB378392
c. Other language arts-related subject	Ⓐ	Ⓑ	Ⓒ	VB378394
d. Elementary or secondary education	Ⓐ	Ⓑ	Ⓒ	VB595189
e. Special education (including students with disabilities)	Ⓐ	Ⓑ	Ⓒ	VE113515
f. English language learning	Ⓐ	Ⓑ	Ⓒ	VE113516

VB345619

12. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Fill in **one** oval on each line.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Reading, language arts, or literacy education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378395
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378396
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB378398
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB595190
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562



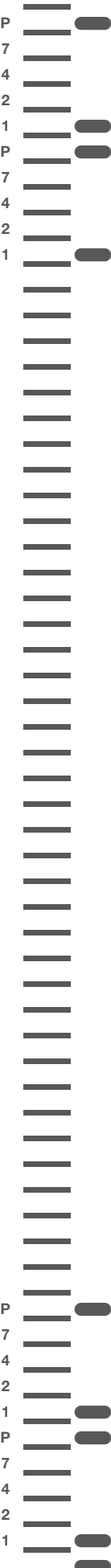


13. Consider all of the professional development activities you participated in during the last **two years**. To what extent did you learn about each of the following topics? Fill in **one** oval on each line.

	Not at all	Small extent	Moderate extent	Large extent	
a. How students learn English/ language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310661
b. Content standards in English/ language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310705
c. Curricular materials available in English/language arts (units, texts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310706
d. Instructional methods for teaching English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310707
e. Methods for assessing students in English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310708
f. Preparation of students for district and state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310710
g. Strategies for teaching English/ language arts to students from diverse backgrounds (including English language learners)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC310711

14. During the last **two years**, did you participate in or lead any of the following professional development activities **related to the teaching of reading, writing, or literature**? Fill in **one** oval on each line.

- |  | Yes                     | No                      |          |
|--|-------------------------|-------------------------|----------|
| a. College course taken after your first certification   | <input type="radio"/> A | <input type="radio"/> B | VB482599 |
| b. Workshop or training session  | <input type="radio"/> A | <input type="radio"/> B | VB482600 |
| c. Conference or professional association meeting  | <input type="radio"/> A | <input type="radio"/> B | VB482601 |
| d. Observational visit to another school   | <input type="radio"/> A | <input type="radio"/> B | VB482642 |
| e. Mentoring and/or peer observation and coaching as part of a formal arrangement                    | <input type="radio"/> A | <input type="radio"/> B | VB482643 |
| f. Committee or task force focusing on curriculum, instruction, or student assessment                | <input type="radio"/> A | <input type="radio"/> B | VB482644 |
| g. Regularly scheduled discussion or study group   | <input type="radio"/> A | <input type="radio"/> B | VB482645 |
| h. Teacher collaborative or network, such as one organized by an outside agency or over the Internet | <input type="radio"/> A | <input type="radio"/> B | VB482646 |
| i. Individual or collaborative research  | <input type="radio"/> A | <input type="radio"/> B | VB482647 |
| j. Independent reading on a regular basis—for example, educational journals, books, or the Internet  | <input type="radio"/> A | <input type="radio"/> B | VB482648 |
| k. Co-teaching/team teaching   | <input type="radio"/> A | <input type="radio"/> B | VB482649 |
| l. Consultation with language arts specialist  | <input type="radio"/> A | <input type="radio"/> B | VB482650 |



VC191232

15. During the last **two years**, have you received training from any source in any of the following areas? Fill in **one** oval on each line.

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191233
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191234
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191235
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191237
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC191238

VB595191

16. Do you have special leadership responsibilities for reading or language arts education at your school—for example, responsibilities as a mentor teacher, lead teacher, resource specialist, departmental chair, or master teacher?

- A Yes
- B No

VC304724

17. During the last **two years**, have you participated in activities associated with school improvement efforts directed at issues such as adequate yearly progress and state accountability standards?

- A Yes
- B No

**Appendix F-2i: 2014 Operational Grade 8 Core (BET)**



## Civics, Geography, and U.S. History – Grade 8

### Part I: Background, Education, and Training

VB331330

1. Are you Hispanic or Latino? Fill in **one or more ovals**.

- Ⓐ 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.

VB331331

2. Which of the following best describes you? Fill in **one or more ovals**.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander



VE577729

3. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

- A Less than 1 year
- B 1–2 years
- C 3–5 years
- D 6–10 years
- E 11–20 years
- F 21 or more years

VF883691

4. Excluding student teaching, how many years have you taught civics, geography, history, or social studies in grades 6 through 12, counting this year?

- A Less than 1 year
- B 1–2 years
- C 3–5 years
- D 6–10 years
- E 11–20 years
- F 21 or more years

VE577841

5. Have you been awarded tenure by the school where you currently teach?

- A Yes
- B No
- C My school does not award tenure.

6. 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.
- Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
- Ⓒ No, but I am currently working toward certification.
- Ⓓ No, and I am not planning to obtain certification.

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 nonteachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- Ⓐ Yes
- Ⓑ No

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.)

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

9. 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
- Ⓕ Doctorate
- Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

10. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Fill in **one** oval on each line.

	Yes, a major	Yes, a minor or special emphasis	No	
a. History or history education	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB333659
b. Geography or geography education	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB333660
c. Political science	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB607676
d. General social science or social studies education	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB334021
e. Other social science (for example, economics, sociology, psychology, anthropology)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB610604
f. Education (including secondary education)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VB482938
g. Special education (including students with disabilities)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VE113515
h. English language learning	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VE113516

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

- A Yes → *Go to Question 12.*
- B No → *Skip to Question 13.*

12. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Fill in **one** oval on each line.

	Yes, a major	Yes, a minor or special emphasis	No	
a. History or history education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345620
b. Geography or geography education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB374402
c. Political science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB607677
d. General social science or social studies education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB374403
e. Other social science (for example, economics, sociology, psychology, anthropology)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB610605
f. Education (including secondary education)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB482939
g. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113560
h. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VE113562

VE041048

13. 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**? Fill in **one** oval on each line.

- |  | Yes                     | No                      |          |
|--|-------------------------|-------------------------|----------|
| a. College course taken after your first certification   | <input type="radio"/> A | <input type="radio"/> B | VE041049 |
| b. Workshop or training session  | <input type="radio"/> A | <input type="radio"/> B | VE041051 |
| c. Conference or professional association meeting  | <input type="radio"/> A | <input type="radio"/> B | VE041053 |
| d. Observational visit to another school   | <input type="radio"/> A | <input type="radio"/> B | VE041056 |
| e. Mentoring and/or peer observation and coaching as part of a formal arrangement                    | <input type="radio"/> A | <input type="radio"/> B | VE041059 |
| f. Committee or task force focusing on curriculum, instruction, or student assessment                | <input type="radio"/> A | <input type="radio"/> B | VE041060 |
| g. Regularly scheduled discussion or study group   | <input type="radio"/> A | <input type="radio"/> B | VE041063 |
| h. Teacher collaborative or network, such as one organized by an outside agency or over the Internet | <input type="radio"/> A | <input type="radio"/> B | VE041065 |
| i. Individual or collaborative research  | <input type="radio"/> A | <input type="radio"/> B | VE041068 |
| j. Independent reading on a regular basis—for example, educational journals, books, or the Internet  | <input type="radio"/> A | <input type="radio"/> B | VE041069 |
| k. Co-teaching/team teaching   | <input type="radio"/> A | <input type="radio"/> B | VE041076 |
| l. Consultation with subject specialist  | <input type="radio"/> A | <input type="radio"/> B | VE041078 |

14. During the last **two years**, have you received training from any source in any of the following areas? Fill in **one** oval on each line.

- |  | No, I am<br>already<br>proficient. | No, I<br>have<br>not.   | Yes                     |          |
|--|------------------------------------|-------------------------|-------------------------|----------|
| a. Basic computer training   | <input type="radio"/> A            | <input type="radio"/> B | <input type="radio"/> C | VC191233 |
| b. Software applications   | <input type="radio"/> A            | <input type="radio"/> B | <input type="radio"/> C | VC191234 |
| c. Use of the Internet   | <input type="radio"/> A            | <input type="radio"/> B | <input type="radio"/> C | VC191235 |
| d. Use of other technology—for example,<br>satellite access, wireless Web,<br>interactive video, closed-circuit television,<br>videoconferencing | <input type="radio"/> A            | <input type="radio"/> B | <input type="radio"/> C | VC191237 |
| e. Integration of computers and other<br>technology into classroom instruction   | <input type="radio"/> A            | <input type="radio"/> B | <input type="radio"/> C | VC191238 |

## **Appendix F-2j: 2015 Operational Grade 4 Reading (COI)**

The following questions ask about the organization of your classroom for reading or language arts instruction. Please think about the reading or language arts class that you teach when questioned about “reading,” “language arts,” or “reading/language arts.” If you teach more than one fourth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.



1. Which best describes your role in teaching reading/language arts to this class? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.
- Ⓐ I do not teach reading/language arts to this class.
  - Ⓑ I teach all or most subjects, including reading/language arts.
  - Ⓒ The only subject I teach is reading/language arts.
  - Ⓓ We team teach, and I have primary responsibility for teaching reading/language arts.

2. How many students are in this class?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

3. About how much time in total do you spend with this class on language arts instruction in a typical week? Language arts refers to reading, writing, literature, and related topics.

- Ⓐ Less than 3 hours
- Ⓑ 3–4.9 hours
- Ⓒ 5–6.9 hours
- Ⓓ 7–9.9 hours
- Ⓔ 10 or more hours

4. Which best describes how language arts instruction is organized? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.
- Ⓐ Language arts is taught primarily as a discrete subject with little or no integration with instruction in other subjects.
  - Ⓑ Some language arts instruction is integrated with other subjects, and some language arts instruction is presented as a discrete subject.
  - Ⓒ Language arts lessons are primarily integrated with instruction in other subjects.

5. To what extent have you provided instruction in the following in reading/language arts class so far this year? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Fiction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976465
b. Literary nonfiction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976466
c. Poetry	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976468
d. Exposition	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976469
e. Argumentation and persuasion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976470
f. Procedural texts and documents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976471

6. When reading a story with your students, how often do you ask your students to do the following? Select **one** circle in each row.

	Never or hardly ever	Sometimes	Often	Always or almost always	
a. Summarize the passage	(A)	(B)	(C)	(D)	VC976480
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	VC976481
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	VC976482
d. Identify the main themes of the passage	(A)	(B)	(C)	(D)	VC976484

7. How often do you do the following things as part of reading instruction with this class? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Ask students to read aloud	(A)	(B)	(C)	(D)	VB608500
b. Ask students to write about something they have read	(A)	(B)	(C)	(D)	VB608582
c. Ask students to do a group activity or project about what they have read	(A)	(B)	(C)	(D)	VB608586
d. Ask students to explain or support their understanding of what they have read	(A)	(B)	(C)	(D)	VB608588
e. Ask students to work in a reading workbook or worksheet	(A)	(B)	(C)	(D)	VB608583
f. Give students time to read books they have chosen themselves	(A)	(B)	(C)	(D)	VB608585
g. Have students watch movies or videos, or listen to audio materials	(A)	(B)	(C)	(D)	VF236569
h. Help students understand new words	(A)	(B)	(C)	(D)	VB608590

8. To what extent have you emphasized the following cognitive processes when reading informational and literary texts in class? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Locate/Recall	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC310623
b. Integrate/Interpret	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC310625
c. Critique/Evaluate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC310627

9. Are computers available for use by you or your students for reading/language arts instruction?

- Ⓐ Yes, computers are available to my students and to me.
- Ⓑ Yes, I have access to computers, but my students do not.
- Ⓒ No, neither my students nor I have access to computers at school.

10. Excluding preparation for class, how often do you use a computer or other technological resources in school for reading instruction and/or reading activities?

- Ⓐ Never
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ Once or twice a week
- Ⓔ Every day or almost every day

11. In your fourth-grade reading/language arts class this year, how often do your students use a computer or other technological resources to do each of the following? 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. Build and practice vocabulary	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976534
b. Increase reading fluency and comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976535
c. Practice spelling and grammar	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976536
d. Access reading-related websites (for example, websites with lists of recommended books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976539
e. Conduct research for reading projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976540

12. Which of the following statements best describes how well your school system provides you with the materials and other resources you need for reading/language arts instruction?

- A I do not have the resources I need.
- B I have some of the resources I need.
- C I have most of the resources I need.
- D I have all of the resources I need.

13. When you teach reading/language arts to your fourth-grade class, do you do any of the following?  
Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976545
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976546
c. Pace my teaching differently for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976547
d. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976548
e. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976549

14. When you have reading instruction and/or do reading activities, how often do you use the following strategies? 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. I teach reading as a whole-class activity.	(A)	(B)	(C)	(D)	VE658929
b. I create same-ability groups.	(A)	(B)	(C)	(D)	VE658931
c. I create groups by random assignment.	(A)	(B)	(C)	(D)	VE658933
d. I allow students to choose their own groups.	(A)	(B)	(C)	(D)	VF009287
e. I use individualized instruction for reading.	(A)	(B)	(C)	(D)	VE658937
f. Students work independently on an assigned plan or goal.	(A)	(B)	(C)	(D)	VE658938
g. Students work independently on a goal they choose themselves.	(A)	(B)	(C)	(D)	VE658940
h. Other (specify): _____ _____	(A)	(B)	(C)	(D)	VE658941

## **Appendix F-2k: 2016 Pilot Grade 4 Reading (COI)**



1. How many students are in this class? Enter the number of students.

2. In a typical week, about how much time in total do you spend with this class on English/language arts instruction? Language arts refers to reading, writing, literature, and related topics. Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

3. Which best describes your role in teaching English/language arts to this class? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.

- Ⓐ I do not teach English/language arts to this class.
- Ⓑ I teach all or most subjects, including English/language arts.
- Ⓒ The only subject I teach is English/language arts.
- Ⓓ We team teach, and I have primary responsibility for teaching English/language arts.

4. Are computers or other digital devices available for use by you or your students for English/language arts instruction?

- Ⓐ Yes, computers or other digital devices are available to my students and to me.
- Ⓑ Yes, I have access to computers or other digital devices, but my students do not.
- Ⓒ No, neither my students nor I have access to computers or other digital devices at school.

5. When reading a story, article, or other passage with your students, how often do you ask your students 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. Summarize the passage	(A)	(B)	(C)	(D)	(E)	VH261231
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	(E)	VH261232
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	(E)	VH261233
d. Identify the main ideas of the passage	(A)	(B)	(C)	(D)	(E)	VH261235
e. Identify the themes of the passage	(A)	(B)	(C)	(D)	(E)	VH335897
f. Analyze two or more texts on the same topic	(A)	(B)	(C)	(D)	(E)	VH261240

6. This school year, to what extent have you emphasized the following cognitive processes when teaching informational and literary texts in class? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Locate and recall (e.g., identify main ideas or focus on specific elements of a story)	(A)	(B)	(C)	(D)	(E)	VH261256
b. Integrate and interpret (e.g., make comparisons, explain character motivation, or examine relations of ideas across the text)	(A)	(B)	(C)	(D)	(E)	VH261257
c. Critique and evaluate (e.g., evaluate text critically from many perspectives or evaluate overall text quality)	(A)	(B)	(C)	(D)	(E)	VH261258

7. In class, how often do you use a computer or other digital device for English/language arts instruction?

- Ⓐ 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

8. In your fourth-grade English/language arts class this year, how often do your students use a computer or other digital device to do each of the following? 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. Build and practice vocabulary	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262482
b. Increase reading fluency	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262483
c. Increase reading comprehension	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH353293
d. Practice spelling and grammar	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262485
e. Access reading-related websites	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262487
f. Conduct research for reading projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262488

9. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. I teach reading as a whole-class activity.	(A)	(B)	(C)	(D)	(E)	VH334361
b. I create student groups with the same achievement level.	(A)	(B)	(C)	(D)	(E)	VH334362
c. I create groups by random assignment.	(A)	(B)	(C)	(D)	(E)	VH334363
d. I allow students to choose their own groups.	(A)	(B)	(C)	(D)	(E)	VH334368
e. I use individualized instruction for reading.	(A)	(B)	(C)	(D)	(E)	VH334364
f. Students work independently on an assigned plan or goal.	(A)	(B)	(C)	(D)	(E)	VH334365
g. Students work independently on a goal they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH334366
h. Other (specify): _____	(A)	(B)	(C)	(D)	(E)	VH334367

10. In your view, to what extent do the following limit how you teach this class? Select **one** circle in each row.

	Not applicable	Not at all	Some	A lot	
a. Students lacking prerequisite knowledge or skills	(A)	(B)	(C)	(D)	VH262636
b. Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	(A)	(B)	(C)	(D)	VH262637
c. Disruptive students	(A)	(B)	(C)	(D)	VH262638
d. Uninterested students	(A)	(B)	(C)	(D)	VH262639

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

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

12. When you teach English/language arts to your students, how do you use each of the following resources? Select **one** circle in each row.

	Not used	Supplement	Basis for instruction	
a. Hardback textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	VH262697
b. Electronic textbooks	Ⓐ	Ⓑ	Ⓒ	VH262698
c. A variety of children's books (e.g., novels, collections of stories, nonfiction)	Ⓐ	Ⓑ	Ⓒ	VH262701
d. Materials from different curricular areas	Ⓐ	Ⓑ	Ⓒ	VH262703
e. Children's newspapers and/or magazines	Ⓐ	Ⓑ	Ⓒ	VH262704
f. Reading-related websites or apps	Ⓐ	Ⓑ	Ⓒ	VH262707
g. Reading-related educational games	Ⓐ	Ⓑ	Ⓒ	VH262714

13. Do you think 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. Prepare lessons that are appropriate for students with varying reading abilities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262857
b. Select relevant and challenging reading materials for students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262858
c. Provide students with concrete and actionable feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262859
d. Provide support to students who are struggling with reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262860
e. Help students understand the meaning of challenging reading texts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262862
f. Help students make connections between their thinking and the reading material	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262863

14. Suppose your students did very well on their last English/language arts 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262948
b. My students did well because they put in a lot of effort.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262949
c. My students did well because they always do well on tests.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262950
d. My students did well because I taught the concepts well.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262951
e. My students did well because they guessed well on the test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH337286
f. My students did well because they are just good at reading.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH337287

## **Appendix F-2l: 2015 Operational Grade 8 Reading (COI)**



The following questions ask about the organization of your classroom for reading, English, or language arts instruction. Please think about the reading, English, or language arts class that you teach when questioned about “reading,” “language arts,” “English,” or “English/language arts.” If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

1. Which best describes your role in teaching English/language arts to this class? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.
- Ⓐ I do not teach English/language arts to this class.
  - Ⓑ I teach all or most subjects, including English/language arts.
  - Ⓒ The only subject I teach is English/language arts.
  - Ⓓ We team teach, and I have primary responsibility for teaching English/language arts.

2. How many students are in this class?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

3. About how much time in total do you spend with one of your eighth-grade language arts classes in a typical week?

- Ⓐ Less than 3 hours
- Ⓑ 3–4.9 hours
- Ⓒ 5–6.9 hours
- Ⓓ 7–9.9 hours
- Ⓔ 10 or more hours

4. Which best describes how language arts instruction is organized for eighth-grade students at this school? Select **one** circle.
- Ⓐ Language arts is taught primarily as a discrete subject with little or no integration with instruction in other subjects.
  - Ⓑ Some language arts instruction is integrated with other subjects, and some language arts instruction is presented as a discrete subject.
  - Ⓒ Language arts lessons are primarily integrated with instruction in other subjects.

5. To what extent have you provided instruction in the following in English/language arts class so far this year? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Fiction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976557
b. Literary nonfiction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976558
c. Poetry	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976559
d. Exposition	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976560
e. Argumentation and persuasion	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976561
f. Procedural texts and documents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976562

6. When reading a story with your students, how often do you ask your students to do the following? Select **one** circle in each row.

	Never or hardly ever	Sometimes	Often	Always or almost always	
a. Summarize the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976480
b. Interpret the meaning of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976481
c. Question the motives or feelings of the characters	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976482
d. Identify the main themes of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976484
e. Evaluate the main arguments or evidence in a persuasive passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE658924
f. Analyze the author's organization of information in a passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE658925
g. Critique the author's craft or technique	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE658926

7. How often do you do the following things as part of English/language arts instruction with this class? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Ask students to read aloud	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976564
b. Ask students to write about something they have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976565
c. Give students time to read books they have chosen themselves	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976566
d. Ask students to do a group activity or project about what they have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976567
e. Ask students to explain or support their understanding of what they have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976568
f. Have students watch movies or videos, or listen to audio materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF175091

8. To what extent have you emphasized the following cognitive processes when reading informational and literary texts in class? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Locate/Recall	(A)	(B)	(C)	(D)	VC310623
b. Integrate/Interpret	(A)	(B)	(C)	(D)	VC310625
c. Critique/Evaluate	(A)	(B)	(C)	(D)	VC310627

9. Are computers available for use by you or your students for English/language arts instruction?

- (A) Yes, computers are available to my students and to me.
- (B) Yes, I have access to computers, but my students do not.
- (C) No, neither my students nor I have access to computers at school.

10. Excluding preparation for class, how often do you use a computer or other technological resources in school for reading instruction and/or reading activities?

- (A) Never
- (B) A few times a year
- (C) Once or twice a month
- (D) Once or twice a week
- (E) Every day or almost every day

11. In your eighth-grade English/language arts class this year, how often do your students use a computer or other technological resources to do each of the following? 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. Build and practice vocabulary	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976572
b. Increase reading fluency and comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976573
c. Practice spelling and grammar	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976574
d. Access reading-related websites (for example, websites with lists of recommended books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976577
e. Conduct research for reading projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976578

12. Which of the following statements best describes how well your school system provides you with the materials and other resources you need for English/language arts instruction?
- A I do not have the resources I need.
  - B I have some of the resources I need.
  - C I have most of the resources I need.
  - D I have all of the resources I need.

13. When you teach English/language arts to your eighth-grade class, do you do any of the following?  
Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976582
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976583
c. Pace my teaching differently for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976584
d. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976585
e. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976586



14. When you have reading instruction and/or do reading activities, how often do you use the following strategies? 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. I teach reading as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658929
b. I create same-ability groups.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658931
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658933
d. I allow students to choose their own groups.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF009287
e. I use individualized instruction for reading.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658937
f. Students work independently on an assigned plan or goal.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658938
g. Students work independently on a goal they choose themselves.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658940
h. Other (specify): _____ _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658941

## **Appendix F-2m: 2016 Pilot Grade 8 Reading (COI)**

1. How many students are in this class? Enter the number of students.

2. Which best describes your role in teaching English/language arts to this class? Language arts refers to reading, writing, literature, and related topics. Select **one** circle.

- Ⓐ I do not teach English/language arts to this class.
- Ⓑ I teach all or most subjects, including English/language arts.
- Ⓒ The only subject I teach is English/language arts.
- Ⓓ We team teach, and I have primary responsibility for teaching English/language arts.

3. In a typical week, about how much time in total do you spend with one of your eighth-grade English/language arts classes? Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

4. Are computers or other digital devices available for use by you or your students for English/language arts instruction?

- Ⓐ Yes, computers or other digital devices are available to my students and to me.
- Ⓑ Yes, I have access to computers or other digital devices, but my students do not.
- Ⓒ No, neither my students nor I have access to computers or other digital devices at school.

5. When reading a story, article, or other passage with your students, how often do you ask your students 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. Summarize the passage	(A)	(B)	(C)	(D)	(E)	VH334295
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	(E)	VH334296
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	(E)	VH334299
d. Identify the main ideas of the passage	(A)	(B)	(C)	(D)	(E)	VH334298
e. Identify the themes of the passage	(A)	(B)	(C)	(D)	(E)	VH335901
f. Analyze two or more texts on the same topic	(A)	(B)	(C)	(D)	(E)	VH334297
g. Evaluate the main evidence in a persuasive/argument passage	(A)	(B)	(C)	(D)	(E)	VH334300
h. Analyze the author's organization of information in a passage	(A)	(B)	(C)	(D)	(E)	VH334302
i. Critique the author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH334305

6. This school year, to what extent have you emphasized the following cognitive processes when teaching informational and literary texts in class? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Locate and recall (e.g., identify main ideas or focus on specific elements of a story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261256
b. Integrate and interpret (e.g., make comparisons, explain character motivation, or examine relations of ideas across the text)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261257
c. Critique and evaluate (e.g., evaluate text critically from many perspectives or evaluate overall text quality)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH261258

7. In class, how often do you use a computer or other digital device for English/language arts instruction?

- Ⓐ 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

8. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. I teach reading as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334361
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334362
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334363
d. I allow students to choose their own groups.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334368
e. I use individualized instruction for reading.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334364
f. Students work independently on an assigned plan or goal.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334365
g. Students work independently on a goal they choose themselves.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334366
h. Other (specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH334367

9. In your eighth-grade English/language arts class this year, how often do your students use a computer or other digital device to do each of the following? 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. Build and practice vocabulary	(A)	(B)	(C)	(D)	(E)	VH262577
b. Increase reading fluency	(A)	(B)	(C)	(D)	(E)	VH262578
c. Increase reading comprehension	(A)	(B)	(C)	(D)	(E)	VH353295
d. Access reading-related websites	(A)	(B)	(C)	(D)	(E)	VH262579
e. Conduct research for reading projects	(A)	(B)	(C)	(D)	(E)	VH262581

10. In your view, to what extent do the following limit how you teach this class? Select **one** circle in each row.

	Not applicable	Not at all	Some	A lot	
a. Students lacking prerequisite knowledge or skills	(A)	(B)	(C)	(D)	VH262636
b. Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	(A)	(B)	(C)	(D)	VH262637
c. Disruptive students	(A)	(B)	(C)	(D)	VH262638
d. Uninterested students	(A)	(B)	(C)	(D)	VH262639

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

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

12. When you teach English/language arts to your students, how do you use each of the following resources? Select **one** circle in each row.

	Not used	Supplement	Basis for instruction	
a. Hardback textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	VH334485
b. Electronic textbooks	Ⓐ	Ⓑ	Ⓒ	VH334486
c. A variety of books (e.g., novels, collections of stories, nonfiction)	Ⓐ	Ⓑ	Ⓒ	VH262702
d. Materials from different curricular areas	Ⓐ	Ⓑ	Ⓒ	VH334498
e. Newspapers and/or magazines	Ⓐ	Ⓑ	Ⓒ	VH262705
f. Reading-related websites or apps	Ⓐ	Ⓑ	Ⓒ	VH334495
g. Reading-related educational games	Ⓐ	Ⓑ	Ⓒ	VH334491



13. Do you think 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. Prepare lessons that are appropriate for students with varying reading abilities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262857
b. Select relevant and challenging reading materials for students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262858
c. Provide students with concrete and actionable feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262859
d. Provide support to students who are struggling with reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262860
e. Help students understand the meaning of challenging reading texts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262862
f. Help students make connections between their thinking and the reading material	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH262863

14. Suppose your students did very well on their last English/language arts 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)	(B)	(C)	(D)	(E)	VH262948
b. My students did well because they put in a lot of effort.	(A)	(B)	(C)	(D)	(E)	VH262949
c. My students did well because they always do well on tests.	(A)	(B)	(C)	(D)	(E)	VH262950
d. My students did well because I taught the concepts well.	(A)	(B)	(C)	(D)	(E)	VH262951
e. My students did well because they guessed well on the test.	(A)	(B)	(C)	(D)	(E)	VH337286
f. My students did well because they are just good at reading.	(A)	(B)	(C)	(D)	(E)	VH337287

## **Appendix F-2n: 2015 Operational Grade 4 Mathematics (COI)**

The following questions ask about the organization of your classroom for mathematics instruction. If you teach more than one fourth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class.
- Ⓑ I teach all or most subjects, including mathematics.
- Ⓒ The only subject I teach is mathematics.
- Ⓓ We team teach, and I have primary responsibility for teaching mathematics.

2. How many students are in this class?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

3. How many hours of mathematics instruction do your students receive in a typical week?

- Ⓐ Less than 3 hours
- Ⓑ At least 3 hours, but less than 5 hours
- Ⓒ At least 5 hours, but less than 7 hours
- Ⓓ 7 or more hours

4. Are students assigned to this class by ability?

- Ⓐ Yes
- Ⓑ No

HE001104

5. Do you create groups within this class for mathematics instruction on the basis of ability?

- (A) Yes
- (B) No

HE001130

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

	Never or hardly ever	Once or twice a year	Once or twice a month	Once or twice a week	
a. Multiple-choice tests	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001131
b. Problem sets	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001132
c. Short (e.g., a phrase or sentence) or long (e.g., several sentences or paragraphs) written responses	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001133
d. Individual or group projects or presentations	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001134

HE001106

7. Approximately how much mathematics homework do you assign to students in this class each day?

- (A) None
- (B) 15 minutes
- (C) 30 minutes
- (D) 45 minutes
- (E) One hour
- (F) More than one hour

VB543554

8. To what extent are students permitted to use calculators during mathematics lessons?
- Ⓐ Unrestricted use
  - Ⓑ Restricted use
  - Ⓒ Calculators are not permitted.

VB535973

9. What kind of calculator do your students usually use during mathematics lessons?
- Ⓐ None
  - Ⓑ Basic four-function (addition, subtraction, multiplication, division)
  - Ⓒ Scientific (not graphing)
  - Ⓓ Graphing

VB535974

10. When you give students a mathematics test or quiz, how often do they use a calculator?
- Ⓐ Never
  - Ⓑ Sometimes
  - Ⓒ Always

11. Think about your plans for this mathematics class for the entire year. How much emphasis did you or will you give each of the following? Select **one** circle in each row.

	Little or no emphasis	Moderate emphasis	Heavy emphasis	
a. Numbers and operations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110366
b. Measurement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110367
c. Geometry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110368
d. Data analysis, statistics, and probability (informal introduction of concepts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110369
e. Algebra and functions (informal introduction of concepts)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110370

12. Are computers available for use by you or your students?

- A Yes, computers are available to my students and to me.
- B Yes, I have access to computers, but my students do not.
- C No, neither my students nor I have access to computers at school.



13. In your fourth-grade mathematics class this year, how often do your students use a computer or other technological resources to do each of the following? 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. Practice or review mathematics topics on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976199
b. Extend mathematics learning with enrichment activities on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976201
c. Research a mathematics topic on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF018142
d. Use a drawing program for geometric shapes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976206
e. Play mathematics computer games	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976210

14. Which of the following statements best describes how well your school system provides you with the materials and other resources you need for mathematics instruction?

- A I do not have the resources I need.
- B I have some of the resources I need.
- C I have most of the resources I need.
- D I have all of the resources I need.

15. When you teach mathematics to your fourth-grade class, do you do any of the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976297
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976298
c. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976299
d. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976300
e. Pace my teaching differently for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976301

16. How often do you do each of the following with individual students to evaluate their progress in mathematics? Select **one** circle in each row.

	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	
a. Discuss the student's current level of performance	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976304
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976305
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976306
d. Determine how to adjust your teaching strategies to meet the student's current learning needs and to reflect the student's future goals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976307

**Appendix F-2o: 2016 Pilot Grade 4 Mathematics (COI)**

VH240054

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class.
- Ⓑ I teach all or most subjects, including mathematics.
- Ⓒ The only subject I teach is mathematics.
- Ⓓ We team teach, and I have primary responsibility for teaching mathematics.

VH261160

2. How many students are in this class? Enter the number of students.

VH336581

3. In a typical week, about how much time in total do you spend with this class on mathematics instruction? Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

VH336584

4. Are students assigned to this class by achievement level?

- Ⓐ Yes
- Ⓑ No

VH336588

5. Do you create groups within this class for mathematics instruction on the basis of achievement level?

- Ⓐ Yes
- Ⓑ No

VH269351

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

	Never or hardly ever	Once or twice a year	Once or twice a month	Once or twice a week	
a. Multiple-choice tests	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH269353
b. Small project-based assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH269357
c. Individual students collaborating on group assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH336538

VH269858

7. In your mathematics class this year, how often do you use assessment results to do each of the following? 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. Discuss the progress your students have made toward individually set goals	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH269862
b. Adjust your teaching strategies to meet the current learning needs of individual students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH269864
c. Adjust your teaching strategies to reflect your instructional objectives for the classroom	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH269865
d. Discuss class progress with school administrators	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH269868
e. Discuss class progress with other colleagues	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH269871

VH269921

8. In your mathematics class this year, how often do your students use a computer or other digital device (excluding hand-held calculators) to do each of the following? 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. Practice or review mathematics topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269922
b. Extend mathematics learning with enrichment activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269923
c. Research mathematics topics on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269924

VH269925

9. In your mathematics class this year, how often do you do each of the following with individual students to assess their progress in mathematics? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269926
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269928
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269930
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269931

10. In your mathematics class this year, do you use any of the following instructional materials? Select **one** circle in each row.

	Yes	No	
a. Textbooks provided by your district or school	<input type="radio"/> A	<input type="radio"/> B	VH270257
b. Other materials provided by your district or school	<input type="radio"/> A	<input type="radio"/> B	VH270258
c. Materials found on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270259
d. Other materials (Please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH270260

11. Thinking about your fourth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Determine what the problem is asking and the best way to solve it	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270272
b. Use alternate methods to solve problems when the first method does not work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270274
c. Explain ones thinking and make connections between models and equations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270275
d. Make assumptions and approximations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270276
e. Represent a problem situation with numbers, words, pictures, or charts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270277
f. Understand tools for problem solving and limitations of use	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270278
g. Use clear and precise language when students are discussing their problem solving and reasoning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270279



12. Suppose your students did very well on their last mathematics 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.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270306
b. My students did well because they put in a lot of effort.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270307
c. My students did well because they always do well on tests.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270308
d. My students did well because I taught the concepts well.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270309
e. My students did well because they guessed well on the test.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270311
f. My students did well because they are just good at math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270313

13. In your mathematics classes this year, how often did you encourage your students to participate in mathematics activities 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

14. In this school year, how many times did you provide **direct opportunities** for your students to participate in mathematics activities **outside of school**?

- Ⓐ Never
- Ⓑ Once
- Ⓒ Two or three times
- Ⓓ Four or five times
- Ⓔ More than five times

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

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

## **Appendix F-2p: 2015 Operational Grade 8 Mathematics (COI)**

The following questions ask about the organization of your classroom for mathematics instruction. If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class.
- Ⓑ I teach all or most subjects, including mathematics.
- Ⓒ The only subject I teach is mathematics.
- Ⓓ We team teach, and I have primary responsibility for teaching mathematics.

2. How many students are in this class?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

3. How many hours of mathematics instruction do your students receive in a typical week?

- Ⓐ Less than 3 hours
- Ⓑ At least 3 hours, but less than 5 hours
- Ⓒ At least 5 hours, but less than 7 hours
- Ⓓ 7 or more hours

4. Are students assigned to this class by ability?

- Ⓐ Yes
- Ⓑ No

HE001104

5. Do you create groups within this class for mathematics instruction on the basis of ability?

- (A) Yes
- (B) No

HE001130

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

	Never or hardly ever	Once or twice a year	Once or twice a month	Once or twice a week	
a. Multiple-choice tests	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001131
b. Problem sets	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001132
c. Short (e.g., a phrase or sentence) or long (e.g., several sentences or paragraphs) written responses	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001133
d. Individual or group projects or presentations	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	HE001134

HE001106

7. Approximately how much mathematics homework do you assign to students in this class each day?

- (A) None
- (B) 15 minutes
- (C) 30 minutes
- (D) 45 minutes
- (E) One hour
- (F) More than one hour

VB543554

8. To what extent are students permitted to use calculators during mathematics lessons?
- Ⓐ Unrestricted use
  - Ⓑ Restricted use
  - Ⓒ Calculators are not permitted.

VB535973

9. What kind of calculator do your students usually use during mathematics lessons?
- Ⓐ None
  - Ⓑ Basic four-function (addition, subtraction, multiplication, division)
  - Ⓒ Scientific (not graphing)
  - Ⓓ Graphing

VB535974

10. When you give students a mathematics test or quiz, how often do they use a calculator?
- Ⓐ Never
  - Ⓑ Sometimes
  - Ⓒ Always

11. Think about your plans for this mathematics class for the entire year. How much emphasis did you or will you give each of the following? Select **one** circle in each row.

	Little or no emphasis	Moderate emphasis	Heavy emphasis	
a. Numbers and operations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110366
b. Measurement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110367
c. Geometry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	ID110368
d. Data analysis, statistics, and probability	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC767633
e. Algebra and functions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC767634

12. Are computers available for use by you or your students?

- A Yes, computers are available to my students and to me.
- B Yes, I have access to computers, but my students do not.
- C No, neither my students nor I have access to computers at school.



13. In your eighth-grade mathematics class this year, how often do your students use a computer or other technological resources to do each of the following? 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. Practice or review mathematics topics on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976334
b. Extend mathematics learning with enrichment activities on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976335
c. Research a mathematics topic on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF018146
d. Use a drawing program for geometric shapes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976339
e. Use a graphing program	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976353
f. Play mathematics computer games	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC976355

14. Which of the following statements best describes how well your school system provides you with the materials and other resources you need for mathematics instruction?
- A I do not have the resources I need.
  - B I have some of the resources I need.
  - C I have most of the resources I need.
  - D I have all of the resources I need.

15. When you teach mathematics to your eighth-grade class, do you do any of the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976363
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976364
c. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976365
d. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976366
e. Pace my teaching differently for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976367

16. How often do you do each of the following with individual students to evaluate their progress in mathematics? Select **one** circle in each row.

	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	
a. Discuss the student's current level of performance	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976304
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976305
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976306
d. Determine how to adjust your teaching strategies to meet the student's current learning needs and to reflect the student's future goals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC976307

## **Appendix F-2q: 2016 Pilot Grade 8 Mathematics (COI)**

VH240054

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class.
- Ⓑ I teach all or most subjects, including mathematics.
- Ⓒ The only subject I teach is mathematics.
- Ⓓ We team teach, and I have primary responsibility for teaching mathematics.

VH261160

2. How many students are in this class? Enter the number of students.

VH336581

3. In a typical week, about how much time in total do you spend with this class on mathematics instruction? Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

4. Are students assigned to this class by achievement level?

- A Yes
- B No

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

	Never or hardly ever	Once or twice a year	Once or twice a month	Once or twice a week	
a. Multiple-choice tests	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH269353
b. Small project-based assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH269357
c. Individual students collaborating on group assignments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH336538

6. In your mathematics class this year, how often do you use assessment results to do each of the following? 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. Discuss the progress your students have made toward individually set goals	(A)	(B)	(C)	(D)	(E)	VH269862
b. Adjust your teaching strategies to meet the current learning needs of individual students	(A)	(B)	(C)	(D)	(E)	VH269864
c. Adjust your teaching strategies to reflect your instructional objectives for the classroom	(A)	(B)	(C)	(D)	(E)	VH269865
d. Discuss class progress with school administrators	(A)	(B)	(C)	(D)	(E)	VH269868
e. Discuss class progress with other colleagues	(A)	(B)	(C)	(D)	(E)	VH269871

7. In your mathematics class this year, how often do your students use a computer or other digital device (excluding hand-held calculators) to do each of the following? 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. Practice or review mathematics topics	(A)	(B)	(C)	(D)	(E)	VH269922
b. Extend mathematics learning with enrichment activities	(A)	(B)	(C)	(D)	(E)	VH269923
c. Research mathematics topics on the Internet	(A)	(B)	(C)	(D)	(E)	VH269924

VH269925

8. In your mathematics class this year, how often do you do each of the following with individual students to assess their progress in mathematics? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269926
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269928
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269930
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269931

VH270256

9. In your mathematics class this year, do you use any of the following instructional materials? Select **one** circle in each row.

	Yes	No	
a. Textbooks provided by your district or school	Ⓐ	Ⓑ	VH270257
b. Other materials provided by your district or school	Ⓐ	Ⓑ	VH270258
c. Materials found on the Internet	Ⓐ	Ⓑ	VH270259
d. Other materials (Please specify): _____	Ⓐ	Ⓑ	VH270260



10. Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Make assumptions and approximations	(A)	(B)	(C)	(D)	(E)	VH270282
b. Use models to explain calculations	(A)	(B)	(C)	(D)	(E)	VH270284
c. Represent a problem situation in multiple ways including numbers, words, pictures, and charts	(A)	(B)	(C)	(D)	(E)	VH270285
d. Evaluate a problem-solving process	(A)	(B)	(C)	(D)	(E)	VH270286
e. Create equations	(A)	(B)	(C)	(D)	(E)	VH270288
f. Relate what your students know to the real world and make sense of it mathematically	(A)	(B)	(C)	(D)	(E)	VH270289
g. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	(A)	(B)	(C)	(D)	(E)	VH270290
h. Examine patterns in tables and graphs to generate equations and describe relationships	(A)	(B)	(C)	(D)	(E)	VH270292

11. Suppose your students did very well on their last mathematics 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.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270306
b. My students did well because they put in a lot of effort.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270307
c. My students did well because they always do well on tests.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270308
d. My students did well because I taught the concepts well.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270309
e. My students did well because they guessed well on the test.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270311
f. My students did well because they are just good at math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270313

12. In your mathematics classes this year, how often did you encourage your students to participate in mathematics activities 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

13. In this school year, how many times did you provide **direct opportunities** for your students to participate in mathematics activities **outside of school**?

- Ⓐ Never
- Ⓑ Once
- Ⓒ Two or three times
- Ⓓ Four or five times
- Ⓔ More than five times

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

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

## **Appendix F-2r: 2015 Operational Grade 4 Science (COI)**

The following questions ask about the organization of your classroom for science instruction. If you teach more than one fourth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

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?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

VH142009

3. In a typical week, how much time do you spend teaching science to the students in this class? Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

VH142206

4. Are students assigned to this class by achievement level?

- A Yes  
 B No

VF633144

5. To what extent do you use each of the following student groupings for science instruction in your classroom? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Groupings based on students' interest in science/science-related topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633146
b. Groupings based on students' learning preferences or styles	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633149
c. Groupings based on students' readiness or current achievement level	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633150

6. How often do you use each of the following 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610543
b. Short written responses (e.g., a phrase or sentence)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610544
c. Long written responses (e.g., several sentences or paragraphs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610545
d. Performance-based assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH157952
e. Group projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH157953

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

	None	Little	Some	A lot	
a. Life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB608619
b. Earth and space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC759072
c. Physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB608621
d. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC759073



8. About how often do your science students do each of the following? 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. Read a science textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767837
b. Read a book or magazine about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767838
c. Work with other students on a science activity or project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767839
d. Prepare a written science report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767841
e. Watch a movie, video, or DVD about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767843
f. Watch a science teacher do a science activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767845
g. Do hands-on activities or investigations in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767846
h. Talk about the measurements and results from students' hands-on activities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767849
i. Take a science test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767850
j. Identify questions that can be addressed through scientific investigations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767851
k. Discuss the kinds of problems that engineers can solve	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767852
l. Figure out different ways to solve a science problem	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767854
m. Present what they have learned about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767856

9. 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. Increase students' interest in science	(A)	(B)	(C)	(D)	VC970917
b. Increase awareness of the importance of science in daily life	(A)	(B)	(C)	(D)	VC970928
c. Learn about applications of science to environmental issues	(A)	(B)	(C)	(D)	VC970930
d. Teach scientific facts and principles	(A)	(B)	(C)	(D)	VC970919
e. Teach scientific methods	(A)	(B)	(C)	(D)	VC970920
f. Equip students with the knowledge and skills needed for studying science in upper grade levels	(A)	(B)	(C)	(D)	VF633172
g. Develop systematic observation skills	(A)	(B)	(C)	(D)	VC970929
h. Develop inquiry skills	(A)	(B)	(C)	(D)	VC970923
i. Develop skills in lab techniques	(A)	(B)	(C)	(D)	VC970926
j. Develop problem-solving skills	(A)	(B)	(C)	(D)	VF654319
k. Develop scientific writing skills	(A)	(B)	(C)	(D)	VC970931

10. To what extent does your school system (including your school and school district) provide the following to you? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633197
b. Science magazines and books (including digital forms, such as online magazines and books)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633198
c. Supplies or equipment for science demonstrations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633199
d. Supplies or equipment for science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633200
e. Space to conduct science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633201
f. Computers for students' use in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633208
g. Computer labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633203
h. Computers for teachers' use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633204
i. Computerized science labs for classroom use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633205
j. Audiovisual materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633206
k. Science kits	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633207
l. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633202

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

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973470
b. Laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973471
c. Tablet computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH157962
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973473
e. CD-ROM	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973474
f. Online software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973475
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973476
h. Cable/satellite/closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973477
i. DVD player and DVDs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973478
j. Digital camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973479
k. Graphing calculator	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973480
l. Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973481
m. Data collection sensors/probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973482
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973483
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC973484

12. Which of the following statements is true about how well your school system provides you with the instructional materials and other resources you need to teach your class?

- Ⓐ I get all the resources I need.
- Ⓑ I get most of the resources I need.
- Ⓒ I get some of the resources I need.
- Ⓓ I don't get any of the resources I need.

13. When you teach science to your fourth-grade class, do you do any of the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC767814
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC767820
c. Vary the pace of instruction for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633254
d. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC767823
e. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC767824

14. How often do you meet with students one-on-one to review 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. How often do you do each of the following with individual students to evaluate their progress in science? Select **one** circle in each row.

	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	
a. Discuss the student's current level of performance	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767830
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767831
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767832
d. Determine how to adjust your teaching strategies to meet the student's current learning needs and to reflect the student's future goals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767834

16. In addition to your regular classroom instruction, how often do you use the following to engage fourth-grade students in learning science? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	Ⓐ	Ⓑ	Ⓒ	VH142242
b. Science competitions	Ⓐ	Ⓑ	Ⓒ	VH142244
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	Ⓐ	Ⓑ	Ⓒ	VH142243

## **Appendix F-2s: 2015 Operational Grade 8 Science (COI)**



The following questions ask about the organization of your classroom for science instruction. If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

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?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26–30
- Ⓕ 31–35
- Ⓖ 36 or more

VH142009

3. In a typical week, how much time do you spend teaching science to the students in this class? Enter the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

VH142206

4. Are students assigned to this class by achievement level?

- A Yes  
 B No

VF633144

5. To what extent do you use each of the following student groupings for science instruction in your classroom? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Groupings based on students' interest in science/science-related topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633146
b. Groupings based on students' learning preferences or styles	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633149
c. Groupings based on students' readiness or current achievement level	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF633150

6. How often do you use each of the following 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610543
b. Short written responses (e.g., a phrase or sentence)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610544
c. Long written responses (e.g., several sentences or paragraphs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB610545
d. Performance-based assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH157952
e. Group projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH157953

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

	None	Little	Some	A lot	
a. Life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB608619
b. Earth and space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC759072
c. Physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB608621
d. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC759073

8. About how often do your science students do each of the following? 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. Read a science textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767837
b. Read a book or magazine about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767838
c. Work with other students on a science activity or project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767839
d. Prepare a written science report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767841
e. Watch a movie, video, or DVD about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767843
f. Watch a science teacher do a science activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767845
g. Do hands-on activities or investigations in science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767846
h. Talk about the measurements and results from students' hands-on activities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767849
i. Take a science test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767850
j. Identify questions that can be addressed through scientific investigations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767851
k. Discuss the kinds of problems that engineers can solve	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767852
l. Figure out different ways to solve a science problem	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767854
m. Present what they have learned about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC767856

9. 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. Increase students' interest in science	(A)	(B)	(C)	(D)	VC976015
b. Increase awareness of the importance of science in daily life	(A)	(B)	(C)	(D)	VC976023
c. Learn about applications of science to environmental issues	(A)	(B)	(C)	(D)	VC976026
d. Teach scientific facts and principles	(A)	(B)	(C)	(D)	VC976017
e. Teach scientific methods	(A)	(B)	(C)	(D)	VC976018
f. Equip students with the knowledge and skills needed for studying science in upper grade levels	(A)	(B)	(C)	(D)	VF633272
g. Develop systematic observation skills	(A)	(B)	(C)	(D)	VC976025
h. Develop inquiry skills	(A)	(B)	(C)	(D)	VC976020
i. Develop skills in lab techniques	(A)	(B)	(C)	(D)	VC976022
j. Develop problem-solving skills	(A)	(B)	(C)	(D)	VF654412
k. Develop scientific writing skills	(A)	(B)	(C)	(D)	VC976027

10. To what extent does your school system (including your school and school district) provide the following to you? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633197
b. Science magazines and books (including digital forms, such as online magazines and books)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633198
c. Supplies or equipment for science demonstrations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633199
d. Supplies or equipment for science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633200
e. Space to conduct science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633201
f. Computers for students' use in class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633208
g. Computer labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633203
h. Computers for teachers' use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633204
i. Computerized science labs for classroom use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633205
j. Audiovisual materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633206
k. Science kits	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633207
l. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF633202

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

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop computer	(A)	(B)	(C)	(D)	VC976050
b. Laptop computer	(A)	(B)	(C)	(D)	VC976051
c. Tablet computer	(A)	(B)	(C)	(D)	VH157981
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	(A)	(B)	(C)	(D)	VC976054
e. CD-ROM	(A)	(B)	(C)	(D)	VC976056
f. Online software	(A)	(B)	(C)	(D)	VC976057
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	(A)	(B)	(C)	(D)	VC976059
h. Cable/satellite/closed-circuit television	(A)	(B)	(C)	(D)	VC976061
i. DVD player and DVDs	(A)	(B)	(C)	(D)	VC976063
j. Digital camera	(A)	(B)	(C)	(D)	VC976067
k. Graphing calculator	(A)	(B)	(C)	(D)	VC976068
l. Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	(A)	(B)	(C)	(D)	VC976071
m. Data collection sensors/probes (tool that connects to a handheld device or graphing calculator and detects motion, pH, temperature, light)	(A)	(B)	(C)	(D)	VC976072
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	(A)	(B)	(C)	(D)	VC976073
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	(A)	(B)	(C)	(D)	VC976075



12. In your eighth-grade class, how often do your students use a computer or other technological resources to do each of the following? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976080
b. Simulate a physical or biological process or see how something works (for example, how planets orbit the sun, how gas expands)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976081
c. Make a chart or graph that shows results of science projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976084

13. Which of the following statements is true about how well your school system provides you with the instructional materials and other resources you need to teach your class?

- Ⓐ I get all the resources I need.
- Ⓑ I get most of the resources I need.
- Ⓒ I get some of the resources I need.
- Ⓓ I don't get any of the resources I need.

14. When you teach science to your eighth-grade class, do you do any of the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Use a different set of methods in teaching some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976086
b. Supplement the regular course curriculum with additional material for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976088
c. Vary the pace of instruction for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF640396
d. Have some students engage in different classroom activities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976092
e. Set different achievement standards for some students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC976094

15. How often do you meet with students one-on-one to review 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

16. How often do you do each of the following with individual students to evaluate their progress in science? Select **one** circle in each row.

	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	
a. Discuss the student's current level of performance	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767830
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767831
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767832
d. Determine how to adjust your teaching strategies to meet the student's current learning needs and to reflect the student's future goals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC767834

17. In addition to your regular classroom instruction, how often do you use the following to engage eighth-grade students in learning science? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	Ⓐ	Ⓑ	Ⓒ	VH142283
b. Science competitions	Ⓐ	Ⓑ	Ⓒ	VH142284
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	Ⓐ	Ⓑ	Ⓒ	VH142285

**Appendix F-2t: 2012 Pilot Grade 4 Writing (COI)**

## Part II: Classroom Organization and Instruction – Writing

The following questions ask about the organization of your classroom for writing instruction. If you teach more than one fourth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

1. To what extent do you use each of the following technological resources for writing instruction? Fill in **one** oval on each line.

VE217585

	Not at all	Small extent	Moderate extent	Large extent	
a. Computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607121
b. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217590
c. CD-ROM, DVD-ROM	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217591
d. Digital media device (e.g., e-book reader, tablet computer, or other portable media player)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607122
e. Cable/satellite/closed-circuit television	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217594
f. Online content (e.g., online applications, podcasts, or streaming videos)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607123
g. Digital whiteboard (computerized display panel that responds to fingertip commands and creates a shared interactive space, akin to a traditional chalkboard)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE634286

2. Which statement best describes computer availability for your writing instruction?

VE087389

- Ⓐ There is no computer for student use.
- Ⓑ There is one computer shared by all students.
- Ⓒ More than three students share one computer.
- Ⓓ Two or three students share one computer.
- Ⓔ Each student has a computer.

3. Do you have access to the Internet when you teach writing to your students?

VE087398

- Ⓐ Yes, always
- Ⓑ Yes, sometimes
- Ⓒ No

4. How often do you ask your students to write for each of the following purposes?  
Fill in **one** oval on each line.

VE088134

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Explain (e.g., provide information about a topic or steps in a process)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE088137
b. Persuade (e.g., convince someone to do something)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE088140
c. Convey personal experience	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE607125
d. Convey imagined experience	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE607084

VE088048

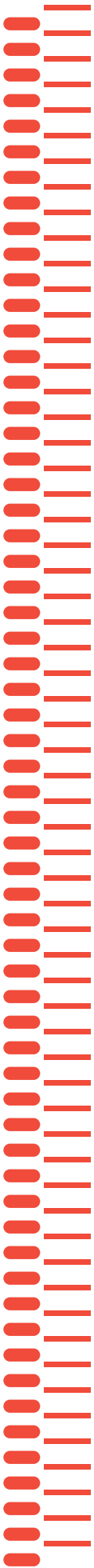
5. How often do you ask your students to write to each of the following audiences? Fill in **one** oval on each line.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Family members	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088059
b. School officials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088062
c. Other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088085
d. Community organizations, government officials, or businesses	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE451443

VE088149

6. How often do you ask your students to write the following? Fill in **one** oval on each line.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Reports	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607126
b. Letters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088152
c. Speeches	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088154
d. Essays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE607128
e. Stories	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088156
f. Poems	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088157
g. Journal entries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088158
h. Book reviews	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088160
i. Multi-step instructions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088161



7. How often do you allow your students to choose the topic they use in a writing assignment?

- Ⓐ Never
- Ⓑ Less than half of the time
- Ⓒ About half of the time
- Ⓓ More than half of the time

8. How often do you give writing assignments of the following length? Fill in **one** oval on each line.

	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	
a. At least half a page	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE607111
b. One page	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE607112
c. More than one page	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE607113



VE088166

9. Overall, what percentage of your instructional time teaching writing is spent on each of the following? Fill in **one** oval on each line.

	0-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Development of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088173
b. Organization of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088174
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088175
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088177
e. Processes for planning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE627331
f. Collaboration with peers in writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE627332
g. Processes for revising	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE627333

VE607144

10. During the past 12 months, how many hours did you spend participating in workshops or training sessions on writing?

- A 0
- B 1-8
- C 9-32
- D 33-80
- E More than 80



11. During the past two years, have you written outside of school for publication or public presentation?

- (A) Yes
- (B) No

12. How often do you ask your students to do the following when you ask them to write about something? Fill in **one** oval on each line.

	Never or hardly ever	Sometimes	Very often	Always or almost always	
a. Use a computer for drafting and revising their writing	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VE088361
b. Use a computer to complete writing that is started by hand	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VE088363
c. Use the Internet to get information for their writing	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VE088366
d. Use the Internet to get pictures, sound, or video files for their writing	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	VE607146

13. Based on keyboarding instruction at your school, which of the following best describes the keyboarding skills expected of your fourth-grade students?

- (A) No typing skill is expected because we do not give formal keyboarding instruction.
- (B) Two-finger typing
- (C) Basic touch-typing
- (D) Rapid and accurate touch-typing

14. Which of the following word processing tools are your fourth-grade students expected to be able to use for writing? Fill in ovals for **all** that apply.

- A Copy, cut, paste
- B Spell-check
- C Thesaurus
- D Formatting tools (e.g., bold, underline, italics)
- E My fourth-grade students are not expected to use any of the word processing tools listed above.

15. When grading/evaluating your students' writing, approximately what percentage of the grade/evaluation is based on each of the following? Fill in **one** oval on each line.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Development of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088184
b. Organization of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088186
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088188
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE088189
e. Processes for planning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE634570
f. Collaboration with peers in writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE634576
g. Processes for revising	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE634579

**Appendix F-2u: 2011 Operational Grade 8 Writing (COI)**

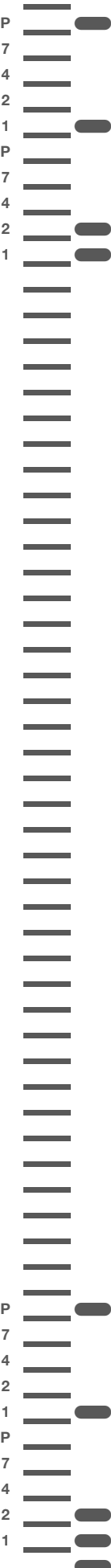
## Part II: Classroom Organization and Instruction – Writing

The following questions ask about the organization of your classroom for writing instruction. If you teach more than one eighth-grade class, please choose a single class to use as the basis for answering the questions about classroom organization.

1. To what extent do you use each of the following technological resources for writing instruction? Fill in **one** oval on each line.

VE217585

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217586
b. Laptop computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217587
c. Tablet PC (notebook-like computer that allows users to write or draw through the use of a stylus or touch-screen)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217588
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217590
e. CD-ROM, DVD-ROM	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217591
f. Digital media device (e.g., pocket-sized music player, e-book reader, or other portable media player)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217593
g. Cable/satellite/closed-circuit television	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217594
h. Online content (e.g., online software, podcasts, or streaming videos)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217595



VE087389

2. Which statement best describes computer availability for your writing instruction?

- Ⓐ There is no computer for student use.
- Ⓑ There is one computer shared by all students.
- Ⓒ More than three students share one computer.
- Ⓓ Two or three students share one computer.
- Ⓔ Each student has a computer.

VE087398

3. Do you have access to the Internet when you teach writing to your students?

- Ⓐ Yes, always
- Ⓑ Yes, sometimes
- Ⓒ No

VE088134

4. How often do you ask your students to write for each of the following purposes?  
Fill in **one** oval on each line.

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Explain (e.g., provide information about a topic or steps in a process)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE088137
b. Persuade (e.g., convince someone to do something)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE088140
c. Convey experience (e.g., write about personal or imagined experiences)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	VE088141

5. How often do you ask your students to write to each of the following audiences? Fill in **one** oval on each line. VE088048

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Family members	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088059
b. School officials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088062
c. Other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088085
d. Community organizations, government officials, or businesses	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE451443

6. How often do you ask your students to write the following? Fill in **one** oval on each line. VE088149

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Informational essays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE112054
b. Letters	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088152
c. Speeches	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088154
d. Personal essays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088155
e. Stories	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088156
f. Poems	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088157
g. Journal entries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088158
h. Book reviews	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088160
i. Multi-step instructions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE088161



VE088164

7. How often do you allow your students to choose the form (e.g., stories, poems, essays) they use in a writing assignment?

- (A) Never
- (B) Less than half of the time
- (C) About half of the time
- (D) More than half of the time

VE088166

8. Overall, what percentage of your instructional time teaching writing is spent on each of the following? Fill in **one** oval on each line.

	0-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Development of ideas	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	<input type="radio"/> (F)	VE088173
b. Organization of ideas	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	<input type="radio"/> (F)	VE088174
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	<input type="radio"/> (F)	VE088175
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	<input type="radio"/> (A)	<input type="radio"/> (B)	<input type="radio"/> (C)	<input type="radio"/> (D)	<input type="radio"/> (E)	<input type="radio"/> (F)	VE088177

VE088219

9. During the past two years, which describes your participation in workshops or training sessions on writing?

- (A) I did not attend any workshops about writing.
- (B) I attended workshops that met for less than a day.
- (C) I attended workshops that met for a full day.
- (D) I attended workshops that met for more than one day.



VE032921

10. During the past two years, have you written outside of school for publication or public presentation?

- A Yes
- B No

VE088348

11. How often do you ask your students to do the following when you ask them to write about something? Fill in **one** oval on each line.

	Never or hardly ever	Sometimes	Very often	Always or almost always	
a. Use a computer for drafting and revising their writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088361
b. Use a computer to complete writing that is started by hand	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088363
c. Use word processing tools to check spelling or use a dictionary or thesaurus	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088364
d. Use the Internet to get information for their writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088366
e. Assess their own writing by using a specific rubric	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088371
f. Assess the writing of other students by using rubrics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE088375

VE088381

12. How often do you use computers as part of your delivery of classroom instruction to your students (excluding planning)?

- A Never or hardly ever
- B Sometimes
- C Very often
- D Always or almost always



VE088385

13. Based on keyboarding instruction at your school, which of the following best describes the keyboarding skills expected of students at the grade level you teach?

- Ⓐ No typing skill is expected because we do not give formal keyboarding instruction.
- Ⓑ Two-finger typing
- Ⓒ Basic touch-typing
- Ⓓ Rapid and accurate touch-typing

VE088182

14. When grading/evaluating your students' writing, approximately what percentage of the grade/evaluation is based on each of the following? Fill in **one** oval on each line.

	0-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Development of ideas	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VE088184
b. Organization of ideas	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VE088186
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VE088188
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VE088189

**Appendix F-2v: 2016 Pilot Grade 8 Writing (COI)**

1. In your English/language arts class this year, how often do you give the following **writing** assignments to your students? 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. Assignments that students have to complete under a strict time limit	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314219
b. Assignments that students have to complete within one session	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314220
c. Assignments that are designed for students to work on over extended periods of time (for example, several class periods)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314222
d. Assignments that students have to complete together with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314224
e. Assignments of at least a couple of pages (e.g., a paper or report)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314229

2. How often do you ask your students to write for each of the following purposes? 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. Explain (i.e., provide information about a topic or steps in a process)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242692
b. Persuade (i.e., convince someone to do something)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242693
c. Convey real experience (i.e., write about factual events or personal experiences)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314053
d. Convey imagined experience (i.e., tell a fictional story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314054
e. Summarize (i.e., write a summary of a longer text or story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314055
f. Analyze (i.e., collect and describe evidence for an issue or argument)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314056

3. How often do you ask your students to do the following when you ask them to **write** about something? 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. Use a computer or other digital device for drafting and revising their writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242730
b. Use a computer or other digital device to complete writing that is started by hand	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242731
c. Use word processing tools to check spelling or use a dictionary or thesaurus	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242732
d. Use the Internet to get information for their writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242736
e. Assess their own writing by using a specific rubric	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242734
f. Assess the writing of other students by using rubrics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242735

4. In your English/language arts class this year, how much time have you devoted to teaching your students each of the following? Select **one** circle in each row.

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Writing a paper using correct grammar	(A)	(B)	(C)	(D)	(E)	VH315433
b. Writing a paper without spelling mistakes	(A)	(B)	(C)	(D)	(E)	VH315441
c. Writing clear and complete sentences	(A)	(B)	(C)	(D)	(E)	VH315448
d. Choosing words in students' writing that will effectively communicate ideas	(A)	(B)	(C)	(D)	(E)	VH315464
e. Judging the reliability of an online source for use in their writing (e.g., whether a source from the Internet is biased)	(A)	(B)	(C)	(D)	(E)	VH316435
f. Crediting others for their ideas in their writing (e.g., citing sources, using endnotes and footnotes in reports)	(A)	(B)	(C)	(D)	(E)	VH316436

5. In your English/language arts class this year, how much time have you devoted to teaching your students each of the following? Select **one** circle in each row.

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Typing a longer text (several paragraphs) with few errors using a keyboard	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316147
b. Typing a longer text (several paragraphs) with few errors using a virtual keyboard on a touch screen	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316148
c. Using a stylus to write or edit their writing on a tablet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316149
d. Using a spell-check in word processing software	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316150
e. Finding words to use in their writing from the thesaurus in word processing software	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316153
f. Applying cut, copy, and paste using the keyboard or mouse	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH316155



6. In your English/language arts class this year, how much time have you devoted to teaching your students each of the following? Select **one** circle in each row.

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Creating an outline prior to writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316239
b. Writing a well-organized essay	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316240
c. Writing a paragraph with a clear topic sentence	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316241
d. Coming up with ideas about what to write for a timed writing task	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316242
e. Starting an essay with a clear introduction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316243
f. Ending an essay with a strong conclusion	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316245

7. In your English/language arts class this year, how often do you do each of the following **when teaching writing**? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Ask students to work in small groups to share and revise their writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH314291
b. Ask students to write more than one draft for a writing assignment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH314295
c. Demonstrate for the class how to plan writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH314296
d. Use student work to demonstrate how to revise writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH314302

8. In your English/language arts class this year, how often do you use each of the following to assess **student progress in writing**? 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. Long written responses (e.g., several sentences or paragraphs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314328
b. Timed assessments (i.e., tests where students have to produce text under a time limit)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314331
c. Essays or papers students can complete over extended periods of time in and outside of the classroom	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314333
d. Digital-based writing tests with an extended constructed-response component	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314334

9. In your English/language arts class this year, how often do you use **results from writing assessments** for 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. Determine students' current levels of writing performance	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314349
b. Set specific goals for progress for individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314350
c. Monitor progress students have made toward previously set writing goals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314351
d. Determine how to adjust teaching strategies to meet students' current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314352

10. In your English/language arts class this year, what kinds of feedback do you typically give your students **about their writing assignments**? 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. I give them a grade.	(A)	(B)	(C)	(D)	(E)	VH315402
b. I write a general comment at the end of the paper.	(A)	(B)	(C)	(D)	(E)	VH315405
c. I correct their spelling and grammar mistakes.	(A)	(B)	(C)	(D)	(E)	VH315407
d. I provide specific suggestions on re-organizing their ideas.	(A)	(B)	(C)	(D)	(E)	VH315416
e. I meet with students one-on-one to go over their writing.	(A)	(B)	(C)	(D)	(E)	VH315419
f. I organize my classes so students receive help from one another in planning and revising their writing.	(A)	(B)	(C)	(D)	(E)	VH315424

11. Overall, approximately what percentage of your instructional time teaching **writing** is spent on each of the following? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Development of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242721
b. Organization of ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242722
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242723
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242728
e. Keyboarding skills	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH314068
f. Word processing skills	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH314069
g. Other (Please specify): _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242725

12. Overall, approximately what percentage of your instructional time teaching **writing** is spent on each of the following? Fill in integer numbers **between 0 and 100** so that the total sums up to 100.

Development of ideas \_\_\_\_\_ %

Organization of ideas \_\_\_\_\_ %

Effectiveness of expression (e.g., sentence variety, word choice, tone) \_\_\_\_\_ %

Mechanics and conventions (e.g., spelling, grammar, punctuation) \_\_\_\_\_ %

Keyboarding skills \_\_\_\_\_ %

Word processing skills \_\_\_\_\_ %

Other (Please specify): \_\_\_\_\_ %

13. When grading/evaluating your students' **writing**, approximately what percentage of the grade/evaluation is based on each of the following? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Development of ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242739
b. Organization of ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242740
c. Effectiveness of expression (e.g., sentence variety, word choice, tone)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242741
d. Mechanics and conventions (e.g., spelling, grammar, punctuation)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242746
e. Other (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242742

14. When grading/evaluating your students' **writing**, approximately what percentage of the grade/evaluation is based on each of the following? Fill in integer numbers **between 0 and 100** so that the total sums up to 100.

Development of ideas \_\_\_\_\_ %

Organization of ideas \_\_\_\_\_ %

Effectiveness of expression (e.g., sentence variety, word choice, tone) \_\_\_\_\_ %

Mechanics and conventions (e.g., spelling, grammar, punctuation) \_\_\_\_\_ %

Other (Please specify): \_\_\_\_\_ %

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

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop or laptop computer(s)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH314037
b. Tablet(s) (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH314038
c. Online content (e.g., online software, podcasts, or streaming videos)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242686
d. Interactive web spaces (e.g., forums where students can interact and share materials)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH314040
e. Smart board(s)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH314041
f. Other digital device(s) (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH314042

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

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

17. How often are students at your school given **writing assignments** in the following classes? Select **one** circle in each row.

	There is no specific expectation around this in my 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	
a. English/language arts class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH316685
b. Social studies class such as history, civics, government, or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH316688
c. Science class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH316695
d. Mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH316698



VH316449

18. During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) of **less than a day** aimed at developing and improving practices for writing instruction?

- Ⓐ Yes
- Ⓑ No

VH316451

19. To what extent have you implemented lessons learned from these professional development programs in your writing instruction?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

VH316458

20. During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) of **a full day** aimed at developing and improving practices for writing instruction?

- Ⓐ Yes
- Ⓑ No

VH316461

21. To what extent have you implemented lessons learned from these professional development programs in your writing instruction?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

VH316462

22. During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) that took **more than one day** aimed at developing and improving practices for writing instruction?
- Ⓐ Yes
  - Ⓑ No

VH316465

23. To what extent have you implemented lessons learned from these professional development programs in your writing instruction?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

VH316977

24. Based on keyboarding instruction at your school, which of the following best describes the **keyboarding skills** expected of students at the grade level you teach?
- Ⓐ No typing skill is expected.
  - Ⓑ Hunt and peck typing/Two-finger typing
  - Ⓒ Basic touch-typing
  - Ⓓ Rapid and accurate touch-typing

VH335099

25. Based on keyboarding instruction at your school, which of the following best describes the **keyboarding skills** expected of students at the grade level you teach?
- Ⓐ No typing skill is expected.
  - Ⓑ They can type with one or two fingers, but might search for where the letter keys are.
  - Ⓒ They can type with one or two fingers, and they know where most of the letter keys are.
  - Ⓓ They can type with all ten fingers when they look at the keyboard.
  - Ⓔ They can type with all ten fingers without looking at the keyboard.

VH316536

26. How many of your students in your 8th grade English/language arts class meet the expectations regarding their **keyboarding skills**?

- Ⓐ None
- Ⓑ Very few students
- Ⓒ Some but less than half of the class
- Ⓓ About half of the class
- Ⓔ More than half of the class
- Ⓕ All or almost all students

VH316542

27. Approximately what percentage of the students in your 8th grade English/language arts class meet the expectations regarding their **keyboarding skills**?

%

VH316545

28. Which of the following **word processing tools** are your 8th grade students expected to be able to use for writing? Select **one** circle in each row.

	Yes	No	
a. Cut, copy, and paste	Ⓐ	Ⓑ	VH316547
b. Spell-check	Ⓐ	Ⓑ	VH316551
c. Thesaurus	Ⓐ	Ⓑ	VH316553
d. Formatting tools (e.g., bold, underline, italics)	Ⓐ	Ⓑ	VH316554

VH316597

29. How many of your students in your 8th grade English/language arts class meet the expectations regarding their **word processing skills**?

- Ⓐ None
- Ⓑ Very few students
- Ⓒ Some but less than half of the class
- Ⓓ About half of the class
- Ⓔ More than half of the class
- Ⓕ All or almost all students

VH316610

30. Approximately what percentage of the students in your 8th grade English/language arts class meet the expectations regarding their **word processing skills**?

%

VH316615

31. Which of the following best describes **your keyboarding skills**?

- Ⓐ No typing skills
- Ⓑ Hunt and peck typing/Two-finger typing
- Ⓒ Basic touch-typing
- Ⓓ Rapid and accurate touch-typing

VH335130

32. Which best describes the way you type on a keyboard?

- Ⓐ I don't know how to type using a keyboard.
- Ⓑ I can type with one or two fingers, but I have to search for where the letter keys are.
- Ⓒ I can type with one or two fingers, and I know where most of the letter keys are.
- Ⓓ I can type with all ten fingers when I look at the keyboard.
- Ⓔ I can type with all ten fingers without looking at the keyboard.

33. Which of the following best describes **your word processing skills**?

- Ⓐ I don't know how to use word processing software.
- Ⓑ Basic skills
- Ⓒ Intermediate skills
- Ⓓ Advanced skills

**Appendix F-2w: 2014 Operational Grade 8 Social Studies (COI)**

## Part II: Classroom Organization and Instruction – Social Studies (Civics, Geography, and U.S. History)

The following questions ask about the organization of your classroom for social studies instruction. If you teach more than one eighth-grade social studies class, please choose a single class to use as the basis for answering the questions about classroom organization.

If you do not teach social studies, you have finished this questionnaire. Thank you for your time.

1. Which best describes your role in teaching social studies to this class? Fill in **one** oval. VE217248

- Ⓐ 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.

2. Which best describes how social studies instruction is organized? VB336261

- Ⓐ 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.

3. About how much time in total do you spend with your class on social studies instruction in a typical week? VB608032

- Ⓐ Less than 1 hour
- Ⓑ 1–2.9 hours
- Ⓒ 3–4.9 hours
- Ⓓ 5–6.9 hours
- Ⓔ 7 hours or more

4. How many students are in this class?

- Ⓐ 15 or fewer
- Ⓑ 16–18
- Ⓒ 19–20
- Ⓓ 21–25
- Ⓔ 26 or more

5. What is the primary basis on which you create instructional groups for social studies in this class?

- Ⓐ I don't create groups for social studies in this class.
- Ⓑ Achievement
- Ⓒ Interest
- Ⓓ Diversity
- Ⓔ Other

6. During what percentage of social studies instruction time in this class is your primary focus on each of the following subjects? Fill in **one** oval on each line.

	None	1–10%	11–40%	41–60%	61–90%	More than 90%	
a. U.S. history	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VB608034
b. Geography	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VE217925
c. Civics/government	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	<input type="radio"/> Ⓕ	VB608035



7. To what extent do you use state or local standards for history, civics, geography, or social studies courses to plan your instruction?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent
- Ⓔ We have no state or local standards that apply to teaching history, civics, geography, or social studies.

8. How often do you use the following resources to teach social studies in this class? Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. A social studies textbook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608037
b. Books, newspapers, magazines, or other periodicals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608038
c. Primary documents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608039
d. Quantitative data (such as that on maps, charts, or graphs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608040
e. Computer software	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608041
f. Films, videos, or filmstrips	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608062
g. Materials from other subject areas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608063
h. Online textbooks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE217165

9. How often do you do the following as part of social studies instruction with this class?  
Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Ask students to complete a worksheet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608065
b. Give a lecture to the class about social studies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608066
c. Have students participate in debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608067
d. Have students participate in mock trials, role-playing, or dramatization	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608068
e. Have students write letters to state an opinion or solve a community problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608069
f. Have visitors from your community meet with the class to discuss important events and ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608070
g. Have students participate in community volunteer projects or services	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608072
h. Have students access information through the Internet for use in the classroom	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608073
i. Discuss current events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608074
j. Use student government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608075
k. Give students social studies homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB608076

10. How often do you use each of the following to assess student progress in social studies?  
Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Tests with multiple-choice, true/false, or matching type questions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229588
b. Tests with fill-in-the-blank questions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229590
c. Paragraph-length written responses about what students have read	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229592
d. Extended essays/papers on assigned topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229594
e. Individual projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229596
f. Individual presentations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229597
g. Group projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229598
h. Group presentations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE229599

11. About how many weeks during the school year do you spend covering the following periods in U.S. history? Fill in **one** oval on each line.

	Not covered in curriculum	One to two weeks	Three to five weeks	Six or more weeks	
a. The period before 1815: beginnings through the Revolution (e.g., colonization, settlement, revolution)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595267
b. The period between 1815 and 1865: the new nation through the Civil War (e.g., expansion, reform, crisis of the Union)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595268
c. The period between 1865 and 1945: the development of modern America (e.g., Reconstruction, industrial growth, United States' role in world affairs, the Great Depression, the First and Second World Wars, immigration)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595269
d. The period between 1945 and the present: contemporary America (e.g., civil rights movement, women's rights movement, Korean and Vietnam wars, environmental movement)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595270

12. To what extent have you emphasized each of the following topics in your U.S. history class? Fill in **one** oval on each line.

	Not applicable	Not at all	Small extent	Moderate extent	Large extent	
a. Change and continuity in U.S. democracy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787819
b. Gathering and interactions of people from various cultures	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787821
c. Technological changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787823
d. Economic changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787824
e. Changing role of the U.S. in the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787825

13. To what extent have you emphasized each of the following topics in your civics or government class? Fill in **one** oval on each line.

	Not applicable	Not at all	Small extent	Moderate extent	Large extent	
a. Politics and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787828
b. Foundations of the U.S. political system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787829
c. The U.S. Constitution	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787831
d. World affairs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787832
e. Roles of citizens in U.S. democracy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VC787833

14. Do you give instruction on geography to your students?

- Ⓐ Yes → Go to Question 15.
- Ⓑ No → Skip to Question 16.

15. How often do you teach the following skills and topics as part of geography instruction with this class? Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Using maps and globes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109644
b. Natural resources (e.g., oil, forests, and water)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109662
c. Other countries and cultures	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109666
d. Environmental issues (e.g., pollution and recycling)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109669
e. Space and place (i.e., basic concepts of physical and human geography)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109673
f. Spatial dynamics and connections (i.e., variation among regions and how people interact across space via communication, transportation, trade)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE109676

16. When students in this class work on social studies, to what extent do they use computers to do the following? Fill in **one** oval on each line.

	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. Locate and retrieve social studies information through the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB379261
b. Look up social studies information in electronic reference works (for example, atlases, almanacs, encyclopedias)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE112555
c. Use exploration or simulation software to “experience” history or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB379282
d. Write social studies reports using word processing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB379283
e. Create social studies presentations or projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF816145
f. Organize social studies information using spreadsheets or databases	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB379285

17. To what extent do you use a computer when instructing students in each of the following subjects? Fill in **one** oval on each line.

	<b>Not applicable</b>	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. U.S. history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE102452
b. Civics or government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE102453
c. Geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE102454

18. To what extent are computers available for students to use in each of the following classes in school (e.g., a classroom or a computer lab)? Fill in **one** oval on each line.

	<b>Not applicable</b>	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. U.S. history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE102442
b. Civics or government	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE102444
c. Geography	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE102446



## **Appendix F-2x: 2015 Operational Grade 4 NIES**

1. Counting this year, how many years have you taught at this school? If less than 1 year total at this school, enter “01.”

Years

2. How many students are currently in your class?

Students

3. To what extent have you acquired knowledge, skills, and information specific to teaching American Indian or Alaska Native students from each of the following sources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Independent reading and study	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB592446
b. Your own personal or family background and experiences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB592448
c. Locally sponsored American Indian or Alaska Native cultural orientation program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC202922
d. Living and working in an American Indian or Alaska Native community	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC202915

4. To what extent have you acquired knowledge, skills, and information specific to teaching American Indian or Alaska Native students from each of the following types of classes? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. College courses, or other classes or workshops with a focus on teaching American Indian or Alaska Native students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE012626
b. College courses, or other classes or workshops with a general focus on various cultures or diversity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE012628

5. During the last two years, how many times have you consulted each of the following resources to help you improve the academic performance of your American Indian or Alaska Native students? Select **one** circle in each row.

	Never	1 or 2 times	3 or 4 times	5 or more times	
a. Online websites or databases	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158526
b. Articles in professional journals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158527
c. Local libraries or cultural centers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158530
d. Other teachers in your school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158529
e. Elders or other experts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158528

6. During the last two years, to what extent have you implemented culturally specific instructional practices for American Indian or Alaska Native students in your classroom?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

7. During the last two years, how many times have you attended professional or community-based development programs (such as in-service classes and workshops, including online classes) aimed at developing culturally specific instructional practices for American Indian or Alaska Native students?
- Ⓐ Never → *Questions 8–9 are not applicable and will be skipped.*
  - Ⓑ 1 or 2 times
  - Ⓒ 3 or 4 times
  - Ⓓ 5 or more times

8. To what extent have you implemented lessons learned from these professional or community-based development programs in your classroom?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

9. Who sponsored the professional or community-based development programs you attended in the last two years? Select **all** squares that apply.

- (A) State
- (B) District
- (C) Tribal education department
- (D) Indian education professional associations
- (E) College or university
- (F) Other (please specify): \_\_\_\_\_

10. To what extent do you speak any of the native languages spoken by American Indian or Alaska Native students who attend this school? If you know more than one of these languages, answer for the one you know best.

- (A) No knowledge or skill; nonspeaker
- (B) Minimal functional or communicative ability; ability to use some words or phrases
- (C) Moderate communicative ability; can express some ideas and communicate in some situations, but limited and cannot always express ideas
- (D) Fluent nonnative speaker
- (E) Fluent native speaker

11. To what extent do you use your students' American Indian or Alaska Native language(s) when you teach any core subject (reading, mathematics, science, and social studies)?

- (A) Instruction is entirely in English.
- (B) Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included occasionally.
- (C) Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included frequently.
- (D) Instruction is primarily in the students' American Indian or Alaska Native language(s).

12. Have you received any of the following forms of preparation for teaching students whose first language is not English (sometimes called Limited English Proficiency [LEP] students or English Language Learners [ELL])? Select **one** circle in each row.

	Yes	No	
a. At least one college-level course on how to teach students whose first language is not English (but not a major, minor, or special emphasis)	Ⓐ	Ⓑ	VE012662
b. An undergraduate or graduate major, minor, or special emphasis in teaching English as a Second Language (ESL), English Language Development (ELD), or Bilingual Education	Ⓐ	Ⓑ	VE012665
c. Any other training or professional development on how to teach students whose first language is not English	Ⓐ	Ⓑ	VE012666

13. To what extent do you use the following to assess the progress of your American Indian or Alaska Native students? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154090
b. District assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154091
c. Assessments developed by American Indian or Alaska Native organizations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154092
d. Tests supplied by textbook publishers (for example, end of unit or chapter tests)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154093
e. Teacher-made tests or quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154098
f. Performance-based assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154095
g. Group projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154096
h. Oral responses of students during class discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154097
i. Assessments to evaluate English language proficiency	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154925

14. Do you teach **reading/language arts** to grade 4 students?

A Yes

B No → *Questions 15–17 are not applicable and will be skipped.*

15. How often do you integrate materials about the following topics into your **reading/language arts** lessons? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. American Indian or Alaska Native culture or history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH040385
b. Current issues affecting American Indian or Alaska Native people or communities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH040386

16. How often do you have your students do each of the following **reading/language arts** activities? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. Read literature with American Indian or Alaska Native themes	(A)	(B)	(C)	(D)	(E)	VE012689
b. Read literature by American Indian or Alaska Native authors	(A)	(B)	(C)	(D)	(E)	VE012690
c. Read about, or discuss, current issues of concern to the American Indian or Alaska Native community	(A)	(B)	(C)	(D)	(E)	VE012691
d. Write about experiences or issues affecting American Indian or Alaska Native people	(A)	(B)	(C)	(D)	(E)	VE012692
e. Write about their own experiences as an American Indian or Alaska Native person	(A)	(B)	(C)	(D)	(E)	VE012693

17. How much do you rely on each of the following documents in planning **reading/language arts** lessons? Select **one** circle in each row.

	Not at all	A little	Some	A lot	Not aware of any	
a. Standards developed by national professional organizations	(A)	(B)	(C)	(D)	(E)	VE012698
b. State content standards	(A)	(B)	(C)	(D)	(E)	VE012700
c. District content standards	(A)	(B)	(C)	(D)	(E)	VE012701
d. American Indian or Alaska Native content or cultural standards	(A)	(B)	(C)	(D)	(E)	VE012703



18. Do you teach **mathematics** to grade 4 students?

A Yes

B No → Questions 19–21 are not applicable and will be skipped.

19. How often do you integrate materials about the following topics into your **mathematics** lessons?  
Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. American Indian or Alaska Native culture or history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH040390
b. Current issues affecting American Indian or Alaska Native people or communities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH040392

20. How often do you have your students do each of the following **mathematics** activities? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. Solve mathematics problems that reflect situations found in American Indian or Alaska Native communities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012733
b. Participate in activities that integrate mathematics with American Indian or Alaska Native themes (for example, use traditional symbols and designs to teach geometric concepts)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012735
c. Study traditional American Indian or Alaska Native mathematics (for example, American Indian or Alaska Native systems of counting, estimating, and recording quantities)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012737
d. Study mathematics within traditional American Indian or Alaska Native contexts (for example, American Indian or Alaska Native systems of astronomy and physics)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012739

21. How much do you rely on each of the following documents in planning **mathematics** lessons?  
Select **one** circle in each row.

	Not at all	A little	Some	A lot	Not aware of any	
a. Standards developed by national professional organizations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012743
b. State content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012746
c. District content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012747
d. American Indian or Alaska Native content or cultural standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012749

22. How much do you agree with each of the following statements about the materials available in your school library, media center, or resource center? Select **one** circle in each row.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. The number of books and materials available for 4th grade students is sufficient.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH043957
b. The quality of the books and materials available for 4th grade students is satisfactory.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH043959
c. The number of books and materials <b>specific to American Indian and Alaska Native culture</b> available for 4th grade students is sufficient.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH043964
d. The quality of the books and materials <b>specific to American Indian and Alaska Native culture</b> available for 4th grade students is satisfactory.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH043966

23. To what extent is each of the following a problem in your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Student absenteeism	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040413
b. Student tardiness	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040414
c. Student health problems	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040416
d. Student misbehavior in class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040422
e. Physical conflicts among students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040424
f. Bullying	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040425
g. Low student aspirations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040427
h. Low teacher expectations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040428
i. Low family involvement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040430

24. Are you Hispanic or Latino? Select **all** squares that apply.

- A No, I am not Hispanic or Latino.
- B Yes, I am Mexican, Mexican American, or Chicano.
- C Yes, I am Puerto Rican or Puerto Rican American.
- D Yes, I am Cuban or Cuban American.
- E Yes, I am from some other Hispanic or Latino background.

25. Which of the following best describes you? Select **all** squares that apply.

- A White
- B Black or African American
- C Asian
- D American Indian or Alaska Native (Print the name of your American Indian tribe or Alaska Native group below. You may indicate more than one tribe or group.)  
\_\_\_\_\_
- E Native Hawaiian or other Pacific Islander

26. What have you found to be the most effective teaching and learning strategies for increasing the achievement of your American Indian or Alaska Native students?

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27. In the space below, please share with us your thoughts about any other important issue(s) about your students, school, or community that are related to student academic performance, student aspirations, or other educational matters.

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## **Appendix F-2y: 2015 Operational Grade 8 NIES**

1. Counting this year, how many years have you taught at this school? If less than 1 year total at this school, enter “01.”

Years

2. To what extent have you acquired knowledge, skills, and information specific to teaching American Indian or Alaska Native students from each of the following sources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Independent reading and study	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB592446
b. Your own personal or family background and experiences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB592448
c. Locally sponsored American Indian or Alaska Native cultural orientation program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC202922
d. Living and working in an American Indian or Alaska Native community	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC202915

3. To what extent have you acquired knowledge, skills, and information specific to teaching American Indian or Alaska Native students from each of the following types of classes? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. College courses, or other classes or workshops with a focus on teaching American Indian or Alaska Native students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE012626
b. College courses, or other classes or workshops with a general focus on various cultures or diversity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE012628

4. During the last two years, how many times have you consulted each of the following resources to help you improve the academic performance of your American Indian or Alaska Native students? Select **one** circle in each row.

	Never	1 or 2 times	3 or 4 times	5 or more times	
a. Online websites or databases	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158526
b. Articles in professional journals	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158527
c. Local libraries or cultural centers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158530
d. Other teachers in your school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158529
e. Elders or other experts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158528



5. During the last two years, to what extent have you implemented culturally specific instructional practices for American Indian or Alaska Native students in your classroom?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

6. During the last two years, how many times have you attended professional or community-based development programs (such as in-service classes and workshops, including online classes) aimed at developing culturally specific instructional practices for American Indian or Alaska Native students?

- Ⓐ Never → *Questions 7–8 are not applicable and will be skipped.*
- Ⓑ 1 or 2 times
- Ⓒ 3 or 4 times
- Ⓓ 5 or more times

7. To what extent have you implemented lessons learned from these professional or community-based development programs in your classroom?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

8. Who sponsored the professional or community-based development programs you attended in the last two years? Select **all** squares that apply.

- (A) State
- (B) District
- (C) Tribal education department
- (D) Indian education professional associations
- (E) College or university
- (F) Other (please specify): \_\_\_\_\_

9. To what extent do you speak any of the native languages spoken by American Indian or Alaska Native students who attend this school? If you know more than one of these languages, answer for the one you know best.

- (A) No knowledge or skill; nonspeaker
- (B) Minimal functional or communicative ability; ability to use some words or phrases
- (C) Moderate communicative ability; can express some ideas and communicate in some situations, but limited and cannot always express ideas
- (D) Fluent nonnative speaker
- (E) Fluent native speaker

10. Have you received any of the following forms of preparation for teaching students whose first language is not English (sometimes called Limited English Proficiency [LEP] students or English Language Learners [ELL])? Select **one** circle in each row.

	Yes	No	
a. At least one college-level course on how to teach students whose first language is not English (but not a major, minor, or special emphasis)	Ⓐ	Ⓑ	VE012662
b. An undergraduate or graduate major, minor, or special emphasis in teaching English as a Second Language (ESL), English Language Development (ELD), or Bilingual Education	Ⓐ	Ⓑ	VE012665
c. Any other training or professional development on how to teach students whose first language is not English	Ⓐ	Ⓑ	VE012666

11. To what extent do you use the following to assess the progress of your American Indian or Alaska Native students? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154090
b. District assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154091
c. Assessments developed by American Indian or Alaska Native organizations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154092
d. Tests supplied by textbook publishers (for example, end of unit or chapter tests)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154093
e. Teacher-made tests or quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154098
f. Performance-based assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154095
g. Group projects	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154096
h. Oral responses of students during class discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154097
i. Assessments to evaluate English language proficiency	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH154925

12. Do you teach **reading/language arts** to grade 8 students?

- Ⓐ Yes
- Ⓑ No → *Questions 13–17 are not applicable and will be skipped.*

13. How many students are American Indian or Alaska Native in your **reading/language arts** class? (Include both enrolled tribal members and descendants in your calculations.)

- Ⓐ Few (less than 5)
- Ⓑ Several, but less than half the class
- Ⓒ At least half the class, but not every student
- Ⓓ The whole class
- Ⓔ I don't know.

14. To what extent do you use your students' American Indian or Alaska Native language(s) when you teach **reading/language arts**?

- Ⓐ Instruction is entirely in English.
- Ⓑ Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included occasionally.
- Ⓒ Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included frequently.
- Ⓓ Instruction is primarily in the students' American Indian or Alaska Native language(s).

15. How often do you integrate materials about the following topics into your **reading/language arts** lessons? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. American Indian or Alaska Native culture or history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH040385
b. Current issues affecting American Indian or Alaska Native people or communities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH040386

16. How often do you have your students do each of the following **reading/language arts** activities? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. Read literature with American Indian or Alaska Native themes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012689
b. Read literature by American Indian or Alaska Native authors	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012690
c. Read about, or discuss, current issues of concern to the American Indian or Alaska Native community	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012691
d. Write about experiences or issues affecting American Indian or Alaska Native people	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012692
e. Write about their own experiences as an American Indian or Alaska Native person	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012693

17. How much do you rely on each of the following documents in planning **reading/language arts** lessons? Select **one** circle in each row.

	Not at all	A little	Some	A lot	Not aware of any	
a. Standards developed by national professional organizations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012698
b. State content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012700
c. District content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012701
d. American Indian or Alaska Native content or cultural standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012703

18. Do you teach **mathematics** to grade 8 students?

- Ⓐ Yes
- Ⓑ No → *Questions 19–23 are not applicable and will be skipped.*

19. How many students are American Indian or Alaska Native in your **mathematics** class? (Include both enrolled tribal members and descendants in your calculations.)

- Ⓐ Few (less than 5)
- Ⓑ Several, but less than half the class
- Ⓒ At least half the class, but not every student
- Ⓓ The whole class
- Ⓔ I don't know.

20. To what extent do you use your students' American Indian or Alaska Native language(s) when you teach **mathematics**?

- Ⓐ Instruction is entirely in English.
- Ⓑ Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included occasionally.
- Ⓒ Instruction is primarily in English, but words or phrases from the students' American Indian or Alaska Native language(s) are included frequently.
- Ⓓ Instruction is primarily in the students' American Indian or Alaska Native language(s).

21. How often do you integrate materials about the following topics into your **mathematics** lessons? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. American Indian or Alaska Native culture or history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH040390
b. Current issues affecting American Indian or Alaska Native people or communities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH040392

22. How often do you have your students do each of the following **mathematics** activities? Select **one** circle in each row.

	Never	At least once a year	At least once a month	At least once a week	Every day or almost every day	
a. Solve mathematics problems that reflect situations found in American Indian or Alaska Native communities	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012733
b. Participate in activities that integrate mathematics with American Indian or Alaska Native themes (for example, use traditional symbols and designs to teach geometric concepts)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012735
c. Study traditional American Indian or Alaska Native mathematics (for example, American Indian or Alaska Native systems of counting, estimating, and recording quantities)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012737
d. Study mathematics within traditional American Indian or Alaska Native contexts (for example, American Indian or Alaska Native systems of astronomy and physics)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012739



23. How much do you rely on each of the following documents in planning **mathematics** lessons?  
Select **one** circle in each row.

	Not at all	A little	Some	A lot	Not aware of any	
a. Standards developed by national professional organizations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012743
b. State content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012746
c. District content standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012747
d. American Indian or Alaska Native content or cultural standards	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE012749

24. How much do you agree with each of the following statements about the materials available in your school library, media center, or resource center? Select **one** circle in each row.

	Strongly disagree	Disagree	Agree	Strongly agree	
a. The number of books and materials available for 8th grade students is sufficient.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH040399
b. The quality of the books and materials available for 8th grade students is satisfactory.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH040401
c. The number of books and materials <b>specific to American Indian and Alaska Native culture</b> available for 8th grade students is sufficient.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH040402
d. The quality of the books and materials <b>specific to American Indian and Alaska Native culture</b> available for 8th grade students is satisfactory.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH040404

25. About how many of your grade 8 students will complete the 8th grade?

- Ⓐ None
- Ⓑ A few
- Ⓒ Some
- Ⓓ Most
- Ⓔ All
- Ⓕ I don't know.

26. About how many of your grade 8 students will be prepared for high school?

- Ⓐ None
- Ⓑ A few
- Ⓒ Some
- Ⓓ Most
- Ⓔ All
- Ⓕ I don't know.

27. To what extent is each of the following a problem in your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Student absenteeism	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040413
b. Student tardiness	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040414
c. Student health problems	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040416
d. Teen pregnancies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040417
e. Drug or alcohol use by students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040421
f. Student misbehavior in class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040422
g. Physical conflicts among students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040424
h. Bullying	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040425
i. Low student aspirations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040427
j. Low teacher expectations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040428
k. Low family involvement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH040430

28. Are you Hispanic or Latino? Select **all** squares that apply.

- A No, I am not Hispanic or Latino.
- B Yes, I am Mexican, Mexican American, or Chicano.
- C Yes, I am Puerto Rican or Puerto Rican American.
- D Yes, I am Cuban or Cuban American.
- E Yes, I am from some other Hispanic or Latino background.

29. Which of the following best describes you? Select **all** squares that apply.

- A White
- B Black or African American
- C Asian
- D American Indian or Alaska Native (Print the name of your American Indian tribe or Alaska Native group below. You may indicate more than one tribe or group.)  
\_\_\_\_\_
- E Native Hawaiian or other Pacific Islander

30. What have you found to be the most effective teaching and learning strategies for increasing the achievement of your American Indian or Alaska Native students?

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31. In the space below, please share with us your thoughts about any other important issue(s) about your students, school, or community that are related to student academic performance, student aspirations, or other educational matters.

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## **Appendix F-2z: 2015 Operational Grade 4 & 8 Giving Back Items**

1. Would you like to receive information about how other teachers in the nation responded to this questionnaire?

A Yes

B No

2. If yes, please provide your email address so that we may send access to the website when it is available in May.

## **Appendix F-2aa: 2016 Cognitive Interviews Grade 8 Social Studies**

[Grade 8 Social Sciences: Teacher #1]

Which best describes your role in teaching social studies to this class? Select <b>all</b> 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 or United States government.	I have primary responsibility for teaching geography.	I have primary responsibility for teaching United States history.

[Grade 8 Social Sciences: Teacher #2]

<p>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</p>	<p><b>FREE RESPONSE</b></p>
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Tea03\_000

[Grade 8 Social Sciences: Teacher #3]

<p>How many students are in this class?          Enter the number of students. _____</p>	<p><b>FREE RESPONSE</b></p>
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Tea04\_000

[Grade 8 Social Sciences: Teacher #4]

What is the primary basis on which you create instructional groups for social studies in this class?	I don't create groups for social studies in this class.	Achievement	Interest	Diversity	Random assignment	Other (please specify): _____

[Grade 8 Social Sciences: Teacher #5]

During what percentage of social studies instruction time in this class is your primary focus on each of the following subjects?						
Select <b>one</b> circle in each row.	None	1-10%	11-40%	41-60%	61-90%	More than 90%
a. Civics or United States government	A	B	C	D	E	F
b. Geography	A	B	C	D	E	F
c. United States history	A	B	C	D	E	F
d. Other social studies subject (please specify): _____	A	B	C	D	E	F



[Grade 8 Social Sciences: Teacher #6]

How much is your school's social studies program for eighth-graders (e.g., United States history, civics or United States government, or geography) structured according to the following resources?

Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot
a. District curriculum standards or curriculum guides	A	B	C	D	E
b. State curriculum standards or frameworks	A	B	C	D	E
c. National curriculum standards or frameworks	A	B	C	D	E
d. Content of district or school assessments	A	B	C	D	E
e. Content of state/district assessments	A	B	C	D	E
f. Content of national assessments	A	B	C	D	E
g. In-school curriculum frameworks and standards for learning	A	B	C	D	E
h. Content from school assessments	A	B	C	D	E
i. Recommendations from district social studies department	A	B	C	D	E
j. Discretion of individual teachers	A	B	C	D	E
k. Internet resources	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #7]

How much does your school's eighth-grade social studies curriculum (e.g., United States history, civics or United States government, or geography) 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. State assessments	A	B	C	D	E
b. District assessments	A	B	C	D	E
c. School assessments	A	B	C	D	E
d. National assessments	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #8]

How often do you use the following resources to teach social studies in this class?					
Select <b>one</b> 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. A social studies textbook	A	B	C	D	E
b. Books, newspapers, magazines, or other periodicals	A	B	C	D	E
c. Primary documents	A	B	C	D	E
d. Quantitative data (such as that on maps, charts, or graphs)	A	B	C	D	E
e. Apps, games, or software	A	B	C	D	E
f. Films or videos	A	B	C	D	E
g. Materials from other subject areas	A	B	C	D	E
h. Online textbooks	A	B	C	D	E
i. Activities or assignments designed by social studies organizations or experts	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #9]

To what extent are computers or other digital devices available for students to use in each of the following classes in school (e.g., a classroom or a computer lab)?						
Select <b>one</b> circle in each row.	Not applicable	Not at all	Very little	Some	Quite a bit	A lot
a. Civics or United States government	A	B	C	D	E	F
b. Geography	A	B	C	D	E	F
c. United States history	A	B	C	D	E	F

[Grade 8 Social Sciences: Teacher #10]

To what extent do you use each of the following technological resources <b>for social studies instruction</b> ?					
Select <b>one</b> circle in each row.					
	Not at all	Very little	Some	Quite a bit	A lot
a. Desktop or laptop computer(s)	A	B	C	D	E
b. Tablet(s) (for example, Surface Pro, iPad, Kindle Fire)	A	B	C	D	E
c. Online content (e.g., online software, podcasts, or streaming videos)	A	B	C	D	E
d. Interactive web spaces (e.g., forums where students can interact and share materials)	A	B	C	D	E
e. Interactive whiteboards	A	B	C	D	E
f. Other digital devices(s) (Please specify): _____	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #11]

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 <b>one</b> circle in each row.					
	Not at all	Very little	Some	Quite a bit	A lot
a. Use the Internet to look for evidence or sources (for example, text documents, photographic images, films)	A	B	C	D	E
b. Complete research projects about social studies topics using the Internet	A	B	C	D	E
c. Use games or apps in which you play the role of an explorer, geographer, anthropologist, or historian	A	B	C	D	E
d. Create multimedia reports or projects about social studies (for example, a slide presentation that combines text and video clips)	A	B	C	D	E
e. Organize information about social studies topics by creating tables, charts, or graphs	A	B	C	D	E
f. Use e-mail to communicate with others about social studies topics	A	B	C	D	E
g. Participate in online discussions about social studies on a website (for example, in forums or social media)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #12]

During this school year, how often do you do the following as part of social studies instruction with this class?						
Select <b>one</b> 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	A	B	C	D	E
b.	Have students read extra material about social studies not in the regular textbook (for example, newspapers, magazines, online sources)	A	B	C	D	E
c.	Discuss material about social studies with students	A	B	C	D	E
d.	Present social studies content to students	A	B	C	D	E
e.	Have students conduct research about social studies topics (for example, in a library or through interviews or observations)	A	B	C	D	E
f.	Discuss current events	A	B	C	D	E
g.	Have students use library resources to do social studies schoolwork	A	B	C	D	E
h.	Have students use primary sources (for example, letters, diaries, photographs, film, or essays written by people from the past)	A	B	C	D	E
i.	Have students listen to and/or view online content about social studies topics	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #13]

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 <b>one</b> circle in 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 social studies topics	A	B	C	D	E
b.	Had outside speakers in class discuss social studies topics	A	B	C	D	E
c.	Had students give class presentations on social studies topics	A	B	C	D	E
d.	Had students watch movies, videos, or online content about social studies topics	A	B	C	D	E
e.	Given tests or quizzes on social studies topics	A	B	C	D	E
f.	Had students collect information outside of the classroom about social studies topics (for example, through interviews or observations)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #14]

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 <b>one</b> circle in each row.						
	Never	Once	Two or three times	Four or five times	More than five times	
a.	Had students write about their position on a problem or issue (e.g., in a letter, e-mail, or blog post)	A	B	C	D	E
b.	Had students take part in debates or panel discussions	A	B	C	D	E
c.	Had students take part in role-playing, mock trials, or dramas about social studies topics	A	B	C	D	E
d.	Had students work with an organization on an issue in the community	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #15]

In your social studies class this year, how often do you use each of the following to assess student progress in social studies?						
Select <b>one</b> 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	B	C	D	E
b.	Tests with fill-in-the-blank questions	A	B	C	D	E
c.	Paragraph-length written responses about what students have read	A	B	C	D	E
d.	Extended essays/papers on assigned topics	A	B	C	D	E
e.	Individual projects	A	B	C	D	E
f.	Individual presentations	A	B	C	D	E
g.	Group projects	A	B	C	D	E
h.	Group presentations	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #16]

In your social studies class this year, how often do you use each of the following to assess student progress in social studies?						
Select <b>one</b> circle in each row.						
	<b>Never</b>	<b>About once or twice a year</b>	<b>About once or twice a month</b>	<b>About once or twice a week</b>	<b>Every day or almost every day</b>	
a.	Long written responses (e.g., several paragraphs)	A	B	C	D	E
b.	Responses to questions based on information from several documents (e.g., letters, cartoons, maps)	A	B	C	D	E
c.	Assessments with an extended constructed-response component	A	B	C	D	E
d.	Portfolios	A	B	C	D	E
e.	Computer-based or online assessments	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #17]

Approximately how many hours of homework do you assign every week for social studies?	<b>Less than 30 minutes a day</b>	<b>30 minutes up to 1 hour a day</b>	<b>1 up to 2 hours a day</b>	<b>2 up to 3 hours a day</b>	<b>3 up to 4 hours a day</b>	<b>More than 4 hours a day</b>
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[Grade 8 Social Sciences: Teacher #18]

In your social studies class this year, how often have you emphasized the following periods of United States history?						
Select <b>one</b> circle in each row.						
	<b>Never or hardly ever</b>	<b>Less than half of the lessons</b>	<b>About half of the lessons</b>	<b>More than half of the lessons</b>	<b>All or almost all of the lessons</b>	
a.	The period before 1815 (e.g., age of exploration, colonization, settlement, American Revolution)	A	B	C	D	E
b.	1815 to 1865 (e.g., expansion, reform, sectionalism, Civil War)	A	B	C	D	E
c.	1865 to 1945 (e.g., Reconstruction, industrial growth, United States' role in world affairs, immigration, the Great Depression, the First and Second World Wars)	A	B	C	D	E
d.	1945 to the present (e.g., Cold War, civil rights movement, women's rights movement, Vietnam war, environmental movement)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #19]

In your social studies class this year, to what extent have you emphasized the following topics in United States history?						
Select <b>one</b> circle in each row.		No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis
a.	Change and continuity in United States democracy (ideas, institutions, events, key figures, and controversies)	A	B	C	D	E
b.	The gathering and interactions of peoples, cultures, and ideas	A	B	C	D	E
c.	Technological changes and their relation to society, ideas, and the environment	A	B	C	D	E
d.	Economic changes and their relation to society, ideas, and the environment	A	B	C	D	E
e.	The changing role of the United States in the world	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #20]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?						
Select <b>one</b> 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	All or almost all of the time
a.	Examining the causes and effects of important events in United States history	A	B	C	D	E
b.	Examining the relationship between events and themes in U.S. history (for example, between the American Revolution and the spread of democratic ideals)	A	B	C	D	E
c.	Comparing and contrasting different time periods in United States history	A	B	C	D	E
d.	Judging the reliability of a source (for example, text, visual graphics, video, audio)	A	B	C	D	E
e.	Identifying how different events that happened at the same time are related to each other (for example, how the end of Second World War relates to the formation of the United Nations)	A	B	C	D	E
f.	Examining how historical events were affected by when and where it took place (for example, how westward expansion was affected by the Rocky Mountains and the availability of fertile farmland)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #21]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?		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
Select <b>one</b> circle in each row.						
a.	Analyzing the relationship between historical developments	A	B	C	D	E
b.	Using evidence from different sources (for example, text, visual graphics, video, audio) to support a given argument	A	B	C	D	E
c.	Comparing and evaluating different points of view about the past (for example, different ideas about what caused the Civil War)	A	B	C	D	E
d.	Coming up with research questions about why or how something happened in the past (for example, what were the origins and impact of the Great Depression)	A	B	C	D	E
e.	Taking and defending a position about a historical issue (e.g., how changes in transportation have affected the United States economy)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #22]

In your social studies class this year, how often have you emphasized the following topics in civics or United States government?		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
Select <b>one</b> circle in each row.						
a.	The United States Constitution	A	B	C	D	E
b.	The legislative branch (e.g., Congress)	A	B	C	D	E
c.	The executive branch (e.g., the President and the cabinet)	A	B	C	D	E
d.	The judicial branch (e.g., the court system)	A	B	C	D	E
e.	How laws are made	A	B	C	D	E
f.	Political parties, elections, and voting	A	B	C	D	E
g.	State and local government	A	B	C	D	E
h.	Other countries' governments	A	B	C	D	E
i.	International organizations (e.g., the United Nations)	A	B	C	D	E
j.	Current political events	A	B	C	D	E
k.	Issues affecting our society today	A	B	C	D	E



[Grade 8 Social Sciences: Teacher #23]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?					
Select <b>one</b> 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	All or almost all of the time
a. Examining the difference between a rule and a law	A	B	C	D	E
b. Examining the roles and functions of the three branches of the United States government	A	B	C	D	E
c. Examining the rights and responsibilities of United States citizens	A	B	C	D	E
d. Examining how the United States influences and is influenced by world affairs	A	B	C	D	E
e. Comparing the roles and responsibilities of United States local, state, and national government	A	B	C	D	E
f. Examining why it is important to pay attention to government and public affairs	A	B	C	D	E
g. Examining why it is important for individuals to participate in the political process and/or government	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #24]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?					
Select <b>one</b> 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	All or almost all of the time
a. Writing a letter to a public official about an issue or problem	A	B	C	D	E
b. Supporting an opinion about an issue or problem with reasons and examples	A	B	C	D	E
c. Discussing politics or public affairs with others	A	B	C	D	E
d. Acquiring print or electronic sources about a political issue or topic	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #25]

Do you give instruction in geography to your students?	<b>Yes</b>	<b>No</b>
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Tea23\_000

[Grade 8 Social Sciences: Teacher #26]

To what extent have you emphasized each of the following skills and topics as part of geography instruction with this class?						
Select <b>one</b> circle in each row.						
	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a.	Using physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes	A	B	C	D	E
b.	Other countries and cultures	A	B	C	D	E
c.	Environment and society issues (e.g., climate change)	A	B	C	D	E
d.	Space and place (i.e., basic concepts of physical and human geography)	A	B	C	D	E
e.	Spatial dynamics and connections (i.e., variation among regions and how people interact across space via communication, transportation, trade)	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #27]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?						
Select <b>one</b> 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	All or almost all of the time	
a.	Using a map (for example, a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	A	B	C	D	E
b.	Examining how information moves from place to place	A	B	C	D	E
c.	Examining how natural features of the Earth, for example rivers and mountains, are formed	A	B	C	D	E
d.	Measuring distances and areas on maps	A	B	C	D	E
e.	Examining what makes different regions in the United States unique	A	B	C	D	E
f.	Examining different types of weather and climate	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #28]

In your social studies class this school year, how much time have you devoted to teaching your students each of the following?					
Select <b>one</b> circle in each row.					
	<b>Never or hardly ever</b>	<b>Less than half of the time</b>	<b>About half of the time</b>	<b>More than half of the time</b>	<b>All or almost all of the time</b>
a. Examining why groups of people migrate to different parts of the world	A	B	C	D	E
b. Examining how humans affect and adapt to the natural environment	A	B	C	D	E
c. Examining how humans adapt to the natural environment	A	B	C	D	E
d. Examining why different food and energy resources are traded globally	A	B	C	D	E
e. Comparing and contrasting cultures, for example language and religion	A	B	C	D	E
f. Using geographic information, for example maps, satellite images, or census data, to answer a question or solve a problem	A	B	C	D	E
g. Creating a report or presentation on an international issue	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #29]

When you teach social studies to your eighth-grade class, do you do any of the following?					
Select <b>one</b> circle in each row.					
	<b>Not at all</b>	<b>Very little</b>	<b>Some</b>	<b>Quite a bit</b>	<b>A lot</b>
a. Use a different set of methods in teaching some students	A	B	C	D	E
b. Supplement the regular course curriculum with additional material for some students	A	B	C	D	E
c. Pace my teaching differently for some students	A	B	C	D	E
d. Have some students engage in different classroom activities	A	B	C	D	E
e. Set different achievement standards for some students	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #30]

In your social studies class this year, how often do you use each of the following strategies when teaching?					
Select <b>one</b> circle in each row.					
	<b>Never or hardly ever</b>	<b>Once in a while</b>	<b>Sometimes</b>	<b>Often</b>	<b>Always or almost always</b>
a. I teach social studies as a whole-class activity.	A	B	C	D	E
b. I create student groups with the same achievement level.	A	B	C	D	E
c. I create groups by random assignment.	A	B	C	D	E
d. I allow students to choose their own groups.	A	B	C	D	E
e. I use individualized instruction for social studies.	A	B	C	D	E
f. Students work independently on an assigned plan or goal.	A	B	C	D	E
g. Students work independently on a goal they choose themselves.	A	B	C	D	E
h. Other (specify): _____	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #31]

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 <b>one</b> 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	B	C	D	E
b.	Set goals for specific progress the student would like to make	A	B	C	D	E
c.	Discuss progress the student has made toward goals previously set	A	B	C	D	E
d.	Determine how to adjust your teaching strategies to meet the student's current learning needs	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #32]

In your social studies class this year, what kinds of feedback do you typically give your students about their assignments?						
Select <b>one</b> 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.	I give them a grade.	A	B	C	D	E
b.	I write a general comment at the end of the assignment.	A	B	C	D	E
c.	I correct their mistakes.	A	B	C	D	E
d.	I provide specific suggestions on improving their work.	A	B	C	D	E
e.	I meet with students one-on-one to go over their work.	A	B	C	D	E
f.	I organize my classes so students receive help from one another.	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #33]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) of <b>less than a day</b> aimed at developing and improving practices for social studies instruction?	<b>Yes</b>	<b>No</b>
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Tea30\_000

[Grade 8 Social Sciences: Teacher #34]

To what extent have you implemented lessons learned from these professional development programs in your social studies instruction?	<b>Not at all</b>	<b>Very little</b>	<b>Some</b>	<b>Quite a bit</b>	<b>A lot</b>
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[Grade 8 Social Sciences: Teacher #35]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) of <b>a full day</b> aimed at developing and improving practices for social studies instruction?	<b>Yes</b>	<b>No</b>
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Tea32\_000

[Grade 8 Social Sciences: Teacher #36]

To what extent have you implemented lessons learned from these professional development programs in your social studies instruction?	<b>Not at all</b>	<b>Very little</b>	<b>Some</b>	<b>Quite a bit</b>	<b>A lot</b>
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[Grade 8 Social Sciences: Teacher #37]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) that took <b>more than one day</b> aimed at developing and improving practices for social studies instruction?	<b>Yes</b>	<b>No</b>
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Tea34\_000

[Grade 8 Social Sciences: Teacher #38]

To what extent have you implemented lessons learned from these professional development programs in your social studies instruction?	<b>Not at all</b>	<b>Very little</b>	<b>Some</b>	<b>Quite a bit</b>	<b>A lot</b>
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[Grade 8 Social Sciences: Teacher #39]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) aimed at teaching <b>historical thinking skills</b> ?	<b>Yes</b>	<b>No</b>
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Tea47\_000

[Grade 8 Social Sciences: Teacher #40]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) aimed at <b>civic participatory skills</b> ?	<b>Yes</b>	<b>No</b>
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Tea48\_000

[Grade 8 Social Sciences: Teacher #41]

During the past two years, have you attended professional development programs (i.e., training sessions and workshops, including online classes) aimed at teaching <b>geographic skills</b> ?	<b>Yes</b>	<b>No</b>
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Tea49\_000

[Grade 8 Social Sciences: Teacher #42]

Do you think you would be able to do each of the following?						
Select <b>one</b> circle in each row.						
		<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>
a.	Prepare lessons that are appropriate for students with varying abilities	A	B	C	D	E
b.	Select relevant and challenging materials for students	A	B	C	D	E
c.	Provide students with concrete and actionable feedback	A	B	C	D	E
d.	Provide support to students who are struggling in class	A	B	C	D	E
e.	Help students understand the meaning of challenging texts	A	B	C	D	E
f.	Help students make connections between their thinking and the social studies material	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #43]

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 <b>one</b> circle in each row.						
		<b>Not at all likely</b>	<b>Not likely</b>	<b>Somewhat likely</b>	<b>Quite likely</b>	<b>Extremely likely</b>
a.	My students did well because they studied and were prepared.	A	B	C	D	E
b.	My students did well because they put in a lot of effort.	A	B	C	D	E
c.	My students did well because they always do well on tests.	A	B	C	D	E
d.	My students did well because I taught the concepts well.	A	B	C	D	E
e.	My students did well because they guessed well on the test.	A	B	C	D	E
f.	My students did well because they are just good at social studies.	A	B	C	D	E

[Grade 8 Social Sciences: Teacher #44]

Do you give instruction in civics or United States government to your students?	<b>Yes</b>	<b>No</b>
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[Grade 8 Social Sciences: Teacher #45]

Do you give instruction in United States history to your students?	<b>Yes</b>	<b>No</b>
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**Appendix F-2ab: 2016 Cognitive Interviews Grade 8 Core (BET-All subjects)**

TBD

Have you been awarded tenure by the school, district, or diocese where you currently teach?

- A. Yes
- B. No
- C. My school, district, or diocese does not award tenure.



## **Appendix F-2ac: 2016 Cognitive Interviews Grade 8 Reading**

[Grade 8 Reading: Teacher #1]

VH334360

When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

	<b>Never or hardly ever</b>	<b>Once in a while</b>	<b>Sometimes</b>	<b>Often</b>	<b>Always or almost always</b>	
a. I teach reading as a whole-class activity.	A	B	C	D	E	VH334361
b. I create student groups with the same achievement level.	A	B	C	D	E	VH334362
c. I create student groups with different achievement levels.	A	B	C	D	E	TBD
d. I create groups by random assignment.	A	B	C	D	E	VH334363
e. I allow students to choose their own groups.	A	B	C	D	E	VH334368
f. I use individualized instruction for reading.	A	B	C	D	E	VH334364
g. I ask students to work independently on an assigned plan or goal.	A	B	C	D	E	TBD
h. I ask students to work independently on a goal they choose themselves.	A	B	C	D	E	TBD
i. Other (specify): _____	A	B	C	D	E	VH334367

[Grade 8 Reading: Teacher #2]

TBD

In your eighth-grade English/language arts class this year, how often do your students do each of the following? Select **one** circle in each row.

	<b>Never</b>	<b>About once or twice a year</b>	<b>About once or twice a month</b>	<b>About once or twice a week</b>	<b>Every day or almost every day</b>	
a. Build and practice vocabulary	A	B	C	D	E	TBD
b. Increase reading fluency	A	B	C	D	E	TBD
c. Increase reading comprehension	A	B	C	D	E	TBD
d. Access reading-related websites	A	B	C	D	E	TBD
e. Conduct research for reading projects	A	B	C	D	E	TBD

## **Appendix F-2ad: 2016 Cognitive Interviews Grade 8 Mathematics**

[Grades 8 Mathematics: Teacher #1]

				TBD
In your mathematics class this year, do you use any of the following instructional materials? Select <b>one</b> circle in each row.				
	Yes	No, I do not prefer to use this resource	No, this resource is not available to me.	
a. Textbooks provided by your district or school	A	B	C	TBD
b. Other materials provided by your district or school	A	B	C	TBD
c. Materials found on the Internet	A	B	C	TBD
d. Digital manipulatives	A	B	C	TBD
e. Digital games	A	B	C	TBD
f. Interactive whiteboard	A	B	C	TBD
g. Physical manipulatives (for example, ruler, protractor, compass)	A	B	C	TBD
h. Flip chart	A	B	C	TBD
i. Paper and pencil workbooks	A	B	C	TBD
j. Other materials (Please specify): _____	A	B	C	TBD

[Grades 8 Mathematics: Teacher #2]

TBD

Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	<b>No emphasis</b>	<b>Very little emphasis</b>	<b>Some emphasis</b>	<b>Quite a bit of emphasis</b>	<b>A lot of emphasis</b>	
a. Use clear and precise language when students are discussing their problem solving and reasoning	A	B	C	D	E	TBD
b. Use models to explain calculations	A	B	C	D	E	TBD
c. Represent a problem situation in multiple ways including numbers, words, pictures, and charts	A	B	C	D	E	TBD
d. Use models to examine real life and mathematical examples	A	B	C	D	E	TBD

[Grades 8 Mathematics: Teacher #3]

TBD

Thinking about your eighth-grade mathematics classes this year, how often do you incorporate the following practices when teaching your students? Select **one** circle in each row.

	<b>Never or hardly ever</b>	<b>Once in a while</b>	<b>Sometimes</b>	<b>Often</b>	<b>Always or almost always</b>	
a. Pose questions during a lesson that will help students to reason and make sense of mathematical connections and relationships	A	B	C	D	E	TBD
b. Use overall learning goals for student learning to guide instructional decisions	A	B	C	D	E	TBD
c. Provide opportunities for students to productively struggle with mathematical ideas and relationships	A	B	C	D	E	TBD
d. Build procedural understanding to encourage the use of multiple problem-solving strategies	A	B	C	D	E	TBD

Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select **one** circle in each row.

	<b>No emphasis</b>	<b>Very little emphasis</b>	<b>Some emphasis</b>	<b>Quite a bit of emphasis</b>	<b>A lot of emphasis</b>	
a. Use definitions and notation precisely	A	B	C	D	E	TBD
b. Justify and explain their reasoning	A	B	C	D	E	TBD
c. Identify and correct flawed mathematical reasoning	A	B	C	D	E	TBD
d. Construct arguments using tools, graphs, or diagrams	A	B	C	D	E	TBD
e. Make, test, and validate conjectures	A	B	C	D	E	TBD
f. Use examples or counterexamples to support or refute a mathematical conjecture	A	B	C	D	E	TBD
g. Engage in deductive reasoning and informal proof	A	B	C	D	E	TBD



[Grades 8 Mathematics: Teacher #5]

TBD						
Thinking about your eighth-grade mathematics classes this year, how much emphasis did you place on teaching your students each of the following? Select <b>one</b> circle in each row.						
	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Evaluate a problem-solving process	A	B	C	D	E	TBD
b. Create equations	A	B	C	D	E	TBD
c. Relate what your students know to the real world and make sense of it mathematically	A	B	C	D	E	TBD
d. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	A	B	C	D	E	TBD
e. Evaluate the conclusions of other students	A	B	C	D	E	TBD
f. Examine patterns in tables and graphs to describe relationships	A	B	C	D	E	TBD

## Appendix 7-3: School Questionnaires

**Table F.e.** Assessment years for the school administrator survey questionnaires and appendix parts.

	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Appendix Parts</b>
Grade 4 Core (SCP)	X	X	X	F-3a, F-3b
Grade 8 Core (SCP)	X	X	X	F-3b, F-3c, F-3ah
Grade 12 Core (SCP)		X	X	F-3d, F-3e
Grade 4 Charter School	X	X	X	F-3f, F-3i
Grade 8 Charter School	X	X	X	F-3g, F-3i
Grade 12 Charter School		X	X	F-3h, F-3i
Grade 4 Reading	X		X	F-3j, F-3k
Grade 8 Reading	X		X	F-3l, F-3m, F-3ai
Grade 12 Reading		X	X	F-3m, F-3n
Grade 4 Mathematics	X		X	F-3o, F-3p
Grade 8 Mathematics	X		X	F-3q, F-3r, F-3aj
Grade 12 Mathematics		X	X	F-3r, F-3s
Grade 4 Science		X	X	F-3t
Grade 8 Science		X	X	F-3u
Grade 12 Science		X	X	F-3v
Grade 4 Writing	X		X	F-3w
Grade 8 Writing	X		X	F-3x, F-3y
Grade 12 Writing			X	F-3z, F-3aa
Grade 8 Social Studies	X	X		F-3ab, F-3ag
Grade 8 TEL		X		F-3ac
Grade 4 NIES			X	F-3ad
Grade 8 NIES			X	F-3ae
Grade 4, 8, & 12 Giving Back		X	X	F-3af

**Table F.f.** School administrator survey questionnaires provided in the appendix parts.

	<b>Appendix Part</b>	<b>Survey Questionnaire</b>
Grade 4 Core (SCP)	F-3a	2015 Operational Grade 4 Core (SCP)
Grade 4 & 8 Core (SCP)	F-3b	2016 Pilot Grade 4 & 8 Core (SCP)
Grade 8 Core (SCP)	F-3c	2015 Operational Grade 8 Core (SCP)
Grade 8 Core (SCP)	F-3ah	2016 Cognitive Interviews Grade 8 Core (SCP)
Grade 12 Core (SCP)	F-3d	2015 Operational Grade 12 Core (SCP)
Grade 12 Core (SCP)	F-3e	2016 Pilot Grade 12 Core (SCP)
Grade 4 Charter School	F-3f	2015 Operational Grade 4 Charter School
Grade 8 Charter School	F-3g	2015 Operational Grade 8 Charter School
Grade 12 Charter School	F-3h	2015 Operational Grade 12 Charter School
Grade 4, 8, & 12 Charter School	F-3i	2016 Pilot Grade 4, 8, & 12 Charter School
Grade 4 Reading	F-3j	2015 Operational Grade 4 Reading
Grade 4 Reading	F-3k	2016 Pilot Grade 4 Reading
Grade 8 Reading	F-3l	2015 Operational Grade 8 Reading
Grade 8 Reading	F-3m	2016 Pilot Grade 8 Reading
Grade 8 Reading	F-3ai	2016 Cognitive Interviews Grade 8 Reading
Grade 12 Reading	F-3n	2015 Operational Grade 12 Reading
Grade 4 Mathematics	F-3o	2015 Operational Grade 4 Mathematics
Grade 4 Mathematics	F-3p	2016 Pilot Grade 4 Mathematics
Grade 8 Mathematics	F-3q	2015 Operational Grade 8 Mathematics
Grade 8 Mathematics	F-3r	2016 Pilot Grade 8 Mathematics
Grade 8 Mathematics	F-3aj	2016 Cognitive Interviews Grade 8 Mathematics
Grade 12 Mathematics	F-3s	2015 Operational Grade 12 Mathematics
Grade 4 Science	F-3t	2015 Operational Grade 4 Science
Grade 8 Science	F-3u	2015 Operational Grade 8 Science
Grade 12 Science	F-3v	2015 Operational Grade 12 Science
Grade 4 Writing	F-3w	2012 Pilot Grade 4 Writing
Grade 8 Writing	F-3x	2011 Operational Grade 8 Writing
Grade 8 Writing	F-3y	2016 Pilot Grade 8 Writing
Grade 12 Writing	F-3z	2011 Operational Grade 12 Writing

Grade 12 Writing	F-3aa	2016 Pilot Grade 12 Writing
Grade 8 Social Studies	F-3ab	2014 Operational Grade 8 Social Studies
Grade 8 Social Studies	F-3ag	2016 Cognitive Interviews Grade 8 Social Studies
Grade 8 TEL	F-3ac	2014 Probe Grade 8 TEL
Grade 4 NIES	F-3ad	2015 Operational Grade 4 NIES
Grade 8 NIES	F-3ae	2015 Operational Grade 8 NIES
Grade 4, 8, & 12 Giving Back	F-3af	2015 Operational Grade 4, 8, & 12 Giving Back Items

## **Appendix H-3a: 2015 Operational Grade 4 Core (SCP)**

Part I: School Characteristics and Policies

This questionnaire should be completed by the principal or the head of the school.

1. What grades are taught in your school? Select **all** squares that apply.

- (A) Pre-kindergarten
- (B) Kindergarten
- (C) 1st grade
- (D) 2nd grade
- (E) 3rd grade
- (F) 4th grade
- (G) 5th grade
- (H) 6th grade
- (I) 7th grade
- (J) 8th grade
- (K) 9th grade
- (L) 10th grade
- (M) 11th grade
- (N) 12th grade

2. Can your school be described by any of the following? Select **all** squares that apply.

- (A) Elementary school
- (B) Middle or junior high school
- (C) Secondary school
- (D) 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
- (F) Special education school: primarily serves students with disabilities
- (G) Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education
- (H) Private independent school
- (I) Private religiously affiliated school
- (J) Independent charter school
- (K) Charter school administered by local school district
- (L) Other (specify): \_\_\_\_\_



VB337250

3. What is the current enrollment in your school?

,

VE462940

4. Approximately what percentage of fourth-graders in your school is new this year?

%

VB337256

5. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ 51–75%
- Ⓖ 76–90%
- Ⓗ Over 90%

6. 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%

7. 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%

8. 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%

9. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%

10. About what percentage of this year's fourth-graders was held back and is repeating fourth grade?

- Ⓐ 0%
- Ⓑ 1–2%
- Ⓒ 3–5%
- Ⓓ 6–10%
- Ⓔ More than 10%

11. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No → *Questions 12–14 are not applicable and will be skipped.*

12. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → *Question 13 is not applicable and will be skipped.*
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

13. 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.
- Ⓑ 2014
- Ⓒ 2013
- Ⓓ 2012
- Ⓔ 2011
- Ⓕ 2010
- Ⓖ 2009 or earlier

14. 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?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

15. 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.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

16. 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)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB610145
b. Gifted and talented program	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485286
c. Instruction provided in student's home language (non-English)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485287
d. English-as-a-second-language (not in a bilingual education program)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485288
e. Special education	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485289

17. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

- (A) 0
- (B) 1-5
- (C) 6-10
- (D) 11-15
- (E) 16-25
- (F) More than 25

18. 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.

	<b>Not applicable</b>	<b>0-10%</b>	<b>11-25%</b>	<b>26-50%</b>	<b>Over 50%</b>	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588679
b. Attend teacher-parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588681

For all teacher counts entered in item 19:

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

19. 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



20. Does your school offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

21. 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. Nontenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588765
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588766

22. In the last school year, how many full-time teachers were new to your school?

If you answered 0, *Question 23 is not applicable and will be skipped.*

23. 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?
- Ⓐ 0–10%
  - Ⓑ 11–25%
  - Ⓒ 26–50%
  - Ⓓ 51–75%
  - Ⓔ 76–90%
  - Ⓕ Over 90%

## **Appendix F-3b: 2016 Pilot Grade 4 & 8 Core (SCP)**

Part I: School Characteristics and Policies

This questionnaire should be completed by the principal or the head of the school.

1. What grades are taught in your school? Select **all** squares that apply.

- Ⓐ Pre-kindergarten
- Ⓑ Kindergarten
- Ⓒ 1st grade
- Ⓓ 2nd grade
- Ⓔ 3rd grade
- Ⓕ 4th grade
- Ⓖ 5th grade
- Ⓗ 6th grade
- Ⓘ 7th grade
- Ⓣ 8th grade
- Ⓚ 9th grade
- Ⓛ 10th grade
- Ⓜ 11th grade
- Ⓝ 12th grade

2. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ 51–75%
- Ⓖ 76–90%
- Ⓗ Over 90%

3. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No → *Questions 4–6 are not applicable and will be skipped.*

4. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → *Question 5 is not applicable and will be skipped.*
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

5. 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.
- Ⓑ 2015
- Ⓒ 2014
- Ⓓ 2013
- Ⓔ 2012
- Ⓕ 2011
- Ⓖ 2010 or earlier

6. 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?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

7. 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.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

8. 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.
- Ⓐ Desktop computers
  - Ⓑ Laptop computers
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

9. In your school, where are **desktop computers** available for students to work? Select **all** squares that apply.

(A) In some classrooms

(B) In all classrooms

(C) In a media center

(D) In a computer lab

(E) In the school library

(F) Other (Please specify): \_\_\_\_\_

10. What is the average age of the **desktop computers** in your school?

(A) Less than 1 year

(B) 1–1.9 years

(C) 2–3.9 years

(D) 4–5.9 years

(E) 6 or more years

(F) I don't know.

11. What is the total number of **laptop computers** available for students in your school? Enter the number of laptop computers.



12. In your school, where are **laptop computers** available for students to work? Select **all** squares that apply.

A In some classrooms

B In all classrooms

C In a media center

D In a computer lab

E In the school library

F Other (Please specify): \_\_\_\_\_

13. What is the average age of the **laptop computers** in your school?

A Less than 1 year

B 1–1.9 years

C 2–3.9 years

D 4–5.9 years

E 6 or more years

F I don't know.

14. 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.

15. In your school, where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select **all** squares that apply.

A In some classrooms

B In all classrooms

C In a media center

D In a computer lab

E In the school library

F Other (Please specify): \_\_\_\_\_

16. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

A Less than 1 year

B 1–1.9 years

C 2–3.9 years

D 4–5.9 years

E 6 or more years

F I don't know.

17. In your school, is there a wireless Internet connection that students can use for schoolwork?

A No

B Yes, in some areas of the school.

C Yes, everywhere or almost everywhere in the school.

VH311353

18. This school year, did your school provide teachers with **laptop computers** for teaching and class preparation?

- Ⓐ No
- Ⓑ Yes, some teachers.
- Ⓒ Yes, all teachers.

VH311354

19. This school year, did your school provide teachers with **tablets** (for example, Surface Pro, iPad, or Kindle Fire) for teaching and class preparation?

- Ⓐ No
- Ⓑ Yes, some teachers.
- Ⓒ Yes, all teachers.

VH311355

20. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

- Ⓐ No
- Ⓑ Yes, we have technical support staff in the school.
- Ⓒ Yes, we are partnering with a provider outside the school.

21. How often do teachers 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	Several times a day	
a. Teach jointly as a team in the same class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311410
b. Observe other teachers' classes and provide feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311411
c. Engage in joint activities across different classes and age groups (e.g., projects)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311412
d. Exchange teaching materials with colleagues	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311413
e. Engage in discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311414
f. Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311415

**Appendix F-3c: 2015 Operational Grade 8 Core (SCP)**

Part I: School Characteristics and Policies

This questionnaire should be completed by the principal or the head of the school.

1. What grades are taught in your school? Select **all** squares that apply.

- (A) Pre-kindergarten
- (B) Kindergarten
- (C) 1st grade
- (D) 2nd grade
- (E) 3rd grade
- (F) 4th grade
- (G) 5th grade
- (H) 6th grade
- (I) 7th grade
- (J) 8th grade
- (K) 9th grade
- (L) 10th grade
- (M) 11th grade
- (N) 12th grade

2. Can your school be described by any of the following? Select **all** squares that apply.

- (A) Elementary school
- (B) Middle or junior high school
- (C) Secondary school
- (D) 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
- (F) Special education school: primarily serves students with disabilities
- (G) Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education
- (H) Private independent school
- (I) Private religiously affiliated school
- (J) Independent charter school
- (K) Charter school administered by local school district
- (L) Other (specify): \_\_\_\_\_

VB337250

3. What is the current enrollment in your school?

,

VE462941

4. Approximately what percentage of eighth-graders in your school is new this year?

%

VB337256

5. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ 51–75%
- Ⓖ 76–90%
- Ⓗ Over 90%



6. 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%

7. 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%

8. 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%

9. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%

10. About what percentage of this year's eighth-graders was held back and is repeating eighth grade?

- Ⓐ 0%
- Ⓑ 1–2%
- Ⓒ 3–5%
- Ⓓ 6–10%
- Ⓔ More than 10%

11. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No → *Questions 12–14 are not applicable and will be skipped.*

12. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → *Question 13 is not applicable and will be skipped.*
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

13. 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.
- Ⓑ 2014
- Ⓒ 2013
- Ⓓ 2012
- Ⓔ 2011
- Ⓕ 2010
- Ⓖ 2009 or earlier

14. 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?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

15. 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.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

16. 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)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB610145
b. Gifted and talented program	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485286
c. Instruction provided in student's home language (non-English)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485287
d. English-as-a-second-language (not in a bilingual education program)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485288
e. Special education	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VB485289

17. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

- (A) 0
- (B) 1-5
- (C) 6-10
- (D) 11-15
- (E) 16-25
- (F) More than 25

18. 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.

	<b>Not applicable</b>	<b>0–10%</b>	<b>11–25%</b>	<b>26–50%</b>	<b>Over 50%</b>	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588679
b. Attend teacher–parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588681

For all teacher counts entered in item 19:

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

19. 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

20. Does your school offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

21. 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. Nontenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588765
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588766

22. In the last school year, how many full-time teachers were new to your school?

If you answered 0, *Question 23 is not applicable and will be skipped.*



23. 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?
- Ⓐ 0–10%
  - Ⓑ 11–25%
  - Ⓒ 26–50%
  - Ⓓ 51–75%
  - Ⓔ 76–90%
  - Ⓕ Over 90%

## **Appendix F-3d: 2015 Operational Grade 12 Core (SCP)**

Part I: School Characteristics and Policies

This questionnaire should be completed by the principal or the head of the school.

1. What grades are taught in your school? Select **all** squares that apply.

- (A) Pre-kindergarten
- (B) Kindergarten
- (C) 1st grade
- (D) 2nd grade
- (E) 3rd grade
- (F) 4th grade
- (G) 5th grade
- (H) 6th grade
- (I) 7th grade
- (J) 8th grade
- (K) 9th grade
- (L) 10th grade
- (M) 11th grade
- (N) 12th grade

2. Can your school be described by any of the following? Select **all** squares that apply.

- (A) Elementary school
- (B) Middle or junior high school
- (C) Secondary school
- (D) 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
- (F) Special education school: primarily serves students with disabilities
- (G) Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education
- (H) Private independent school
- (I) Private religiously affiliated school
- (J) Independent charter school
- (K) Charter school administered by local school district
- (L) Other (specify): \_\_\_\_\_

3. What is the current enrollment in your school?

,

4. Approximately what percentage of twelfth-graders in your school is new this year?

%

5. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ 51–75%
- Ⓖ 76–90%
- Ⓗ Over 90%

6. 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%

7. 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%

8. 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%

9. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%

10. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No → *Questions 11–13 are not applicable and will be skipped.*

11. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → *Question 12 is not applicable and will be skipped.*
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

12. 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.
  - Ⓑ 2014
  - Ⓒ 2013
  - Ⓓ 2012
  - Ⓔ 2011
  - Ⓕ 2010
  - Ⓖ 2009 or earlier

13. 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?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%



14. 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.)

- Ⓐ No
- Ⓑ Yes, our school receives funds, which are targeted to eligible students.
- Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

15. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VB610145
b. Gifted and talented program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VB485286
c. Instruction provided in student's home language (non-English)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VB485287
d. English-as-a-second-language (not in a bilingual education program)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VB485288
e. Special education	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VB485289

16. 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 college	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE588197
b. Attending a four-year college	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE589625
c. Attending a vocational-technical or business school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE588425
d. Working for pay	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE588429
e. Serving in the military (excluding ROTC and military academies)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE588432

17. Does your school offer any of the following services to students on a regular basis? Select **all** squares that apply.

- A Career and technical education workshops
- B Career counseling services or programs
- C Job placement services
- D Career days or job fairs
- E Career or employment readiness workshops

18. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

- Ⓐ 0
- Ⓑ 1–5
- Ⓒ 6–10
- Ⓓ 11–15
- Ⓔ 16–25
- Ⓕ More than 25

19. 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.

	<b>Not applicable</b>	<b>0–10%</b>	<b>11–25%</b>	<b>26–50%</b>	<b>Over 50%</b>	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588679
b. Attend teacher–parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE588681

For all teacher counts entered in item 20:

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

20. 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

21. Does your school offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

22. 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. Nontenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588765
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE588766

23. In the last school year, how many full-time teachers were new to your school?




If you answered 0, *Question 24 is not applicable and will be skipped.*

24. 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?
- Ⓐ 0–10%
  - Ⓑ 11–25%
  - Ⓒ 26–50%
  - Ⓓ 51–75%
  - Ⓔ 76–90%
  - Ⓕ Over 90%

## **Appendix F-3e: 2016 Pilot Grade 12 Core (SCP)**

1. What grades are taught in your school? Select **all** squares that apply.

- Ⓐ Pre-kindergarten
- Ⓑ Kindergarten
- Ⓒ 1st grade
- Ⓓ 2nd grade
- Ⓔ 3rd grade
- Ⓕ 4th grade
- Ⓖ 5th grade
- Ⓗ 6th grade
- Ⓘ 7th grade
- Ⓝ 8th grade
- Ⓚ 9th grade
- Ⓛ 10th grade
- Ⓜ 11th grade
- Ⓝ 12th grade

2. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ 51–75%
- Ⓖ 76–90%
- Ⓗ Over 90%



VH240215

3. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No

VH240216

4. 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

5. 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.
- Ⓑ 2015
- Ⓒ 2014
- Ⓓ 2013
- Ⓔ 2012
- Ⓕ 2011
- Ⓖ 2010 or earlier

6. 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?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

7. 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.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

8. In your school, is there a wireless Internet connection that students can use for schoolwork?
- Ⓐ No
  - Ⓑ Yes, in some areas of the school.
  - Ⓒ Yes, everywhere or almost everywhere in the school.

VH311353

9. This school year, did your school provide teachers with **laptop computers** for teaching and class preparation?

- Ⓐ No
- Ⓑ Yes, some teachers.
- Ⓒ Yes, all teachers.

VH311354

10. This school year, did your school provide teachers with **tablets** (for example, Surface Pro, iPad, or Kindle Fire) for teaching and class preparation?

- Ⓐ No
- Ⓑ Yes, some teachers.
- Ⓒ Yes, all teachers.

VH311355

11. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

- Ⓐ No
- Ⓑ Yes, we have technical support staff in the school.
- Ⓒ Yes, we are partnering with a provider outside the school.

12. How often do teachers 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	Several times a day	
a. Teach jointly as a team in the same class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311410
b. Observe other teachers' classes and provide feedback	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311411
c. Engage in joint activities across different classes and age groups (e.g., projects)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311412
d. Exchange teaching materials with colleagues	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311413
e. Engage in discussions about the learning development of specific students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311414
f. Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH311415

13. 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.

- A Desktop computers
- B Laptop computers
- C Tablets (for example, Surface Pro, iPad, Kindle Fire)
- D Other digital devices (Please specify): \_\_\_\_\_

14. In your school, where are **desktop computers** available for students to work? Select **all** squares that apply.

- A In some classrooms
- B In all classrooms
- C In a media center
- D In a computer lab
- E In the school library
- F Other (Please specify): \_\_\_\_\_

15. What is the average age of the **desktop computers** in your school?

- A Less than 1 year
- B 1–1.9 years
- C 2–3.9 years
- D 4–5.9 years
- E 6 or more years
- F I don't know.

16. In your school, where are **laptop computers** available for students to work? Select **all** squares that apply.

- A In some classrooms
- B In all classrooms
- C In a media center
- D In a computer lab
- E In the school library
- F Other (Please specify): \_\_\_\_\_

VH311487

17. What is the total number of **laptop computers** available for students in your school? Enter the number of laptop computers.

VH311490

18. What is the average age of the **laptop computers** in your school?

- Ⓐ Less than 1 year
- Ⓑ 1–1.9 years
- Ⓒ 2–3.9 years
- Ⓓ 4–5.9 years
- Ⓔ 6 or more years
- Ⓕ I don't know.

VH342884

19. 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
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ Other (Please specify): \_\_\_\_\_

VH311502

20. 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.

21. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

- Ⓐ Less than 1 year
- Ⓑ 1–1.9 years
- Ⓒ 2–3.9 years
- Ⓓ 4–5.9 years
- Ⓔ 6 or more years
- Ⓕ I don't know.

22. 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
- Ⓘ Other (Please specify): \_\_\_\_\_
- ⓵ None of the above

23. 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

## **Appendix F-3f: 2015 Operational Grade 4 Charter School**



This section should be completed by the principal or the head of the school.

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?

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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): \_\_\_\_\_

VC104799

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

VE600331

5. Is this school operated by a company or organization that also operates other charter schools?
- Ⓐ Yes
  - Ⓑ No

VC104758

6. Which one of the following best describes your charter school's **primary** focus in terms of program content?
- Ⓐ 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, 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.

VE588897

7. Does your school provide a written contract for parents?
- Ⓐ Yes, and parents are required to abide by it.
  - Ⓑ Yes, but signing it is voluntary.
  - Ⓒ No → *Question 8 is not applicable and will be skipped.*

8. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	<input type="radio"/> A	<input type="radio"/> B	VE588983
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VE588989
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VE588981
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VE588987
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VE588991
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VE588985
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VE588980
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VE588988
i. Other (specify): _____ _____	<input type="radio"/> A	<input type="radio"/> B	VE592478

## **Appendix F-3g: 2015 Operational Grade 8 Charter School**

This section should be completed by the principal or the head of the school.

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?

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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): \_\_\_\_\_

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

5. Is this school operated by a company or organization that also operates other charter schools?
- Ⓐ Yes
  - Ⓑ No

6. Which one of the following best describes your charter school's **primary** focus in terms of program content?
- Ⓐ 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, 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.

7. Does your school provide a written contract for parents?
- Ⓐ Yes, and parents are required to abide by it.
  - Ⓑ Yes, but signing it is voluntary.
  - Ⓒ No → *Question 8 is not applicable and will be skipped.*



8. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	<input type="radio"/> A	<input type="radio"/> B	VE588983
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VE588989
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VE588981
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VE588987
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VE588991
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VE588985
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VE588980
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VE588988
i. Other (specify): _____ _____	<input type="radio"/> A	<input type="radio"/> B	VE592478

## **Appendix F-3h: 2015 Operational Grade 12 Charter School**

This section should be completed by the principal or the head of the school.

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?

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## 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): \_\_\_\_\_

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

5. Is this school operated by a company or organization that also operates other charter schools?
- Ⓐ Yes
  - Ⓑ No

6. Which one of the following best describes your charter school's **primary** focus in terms of program content?
- Ⓐ 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, 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.

7. Does your school provide a written contract for parents?
- Ⓐ Yes, and parents are required to abide by it.
  - Ⓑ Yes, but signing it is voluntary.
  - Ⓒ No → *Question 8 is not applicable and will be skipped.*

8. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	<input type="radio"/> A	<input type="radio"/> B	VE588983
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VE588989
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VE588981
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VE588987
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VE588991
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VE588985
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VE588980
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VE588988
i. Other (specify): _____ _____	<input type="radio"/> A	<input type="radio"/> B	VE592478

## **Appendix F-3i: 2016 Pilot Grade 4, 8, & 12 Charter School**

This section should be completed by the principal or the head of the school.



**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 → *Question 2 is not applicable and will be skipped.*

**2. 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
- Ⓙ Other (Please specify): \_\_\_\_\_
- Ⓚ None of the above

## **Appendix F-3j: 2015 Operational Grade 4 Reading**

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 language arts across the curriculum	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380371
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380372
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634273
d. Understanding the process of reading or writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380373
e. Use of rubrics to evaluate student work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634274
f. Instructional strategies for teaching language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380374
g. Effective use of technology in reading instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE658951

**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.

2. Is there a reading specialist available (full- or part-time) to fourth-grade students at your school?

- Ⓐ Yes, available full-time to fourth-grade students
- Ⓑ Yes, available part-time to fourth-grade students
- Ⓒ No → *Question 3 is not applicable and will be skipped.*

3. To what extent are each of the following a responsibility of the reading specialist(s) 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 reading instruction to students on various topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE658962
b. Provide reading instruction to students at various ability levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659111

4. Is there a literacy coach available (full- or part-time) to fourth-grade teachers at your school?

- Ⓐ Yes, available full-time to fourth-grade teachers
- Ⓑ Yes, available part-time to fourth-grade teachers
- Ⓒ No → *Question 5 is not applicable and will be skipped.*

5. To what extent are each of the following a responsibility of the literacy coach(es) 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 assistance/support to individual teachers about reading content or the teaching of reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659056
b. Conduct professional development for groups of teachers about reading content or the teaching of reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659059

6. To what extent is your school's reading 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190986
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190987
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190988
d. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190989
e. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190990
f. Recommendations from school reading/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190992
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190993
h. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC190995
i. Internet resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659085

7. To what extent does your school’s fourth-grade reading 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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311149
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311150
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311151

8. In addition to reading teachers, does your school have the following personnel to assist with reading class instruction for fourth-grade students with disabilities (SD)? Select **one** circle in each row.

	Yes	No	
a. Special Education teachers (and related service providers)	<input type="radio"/> A	<input type="radio"/> B	VE659160
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VE659161
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VE659162
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE659166
e. Paraprofessionals or teacher aides who are not trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE659163
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VE659165

9. In addition to reading teachers, does your school have the following personnel to assist with reading class instruction for fourth-grade English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Certified ELL/bilingual education teachers	<input type="radio"/>	<input type="radio"/>	VE659198
b. Reading specialists or literacy coaches	<input type="radio"/>	<input type="radio"/>	VE659192
c. Speech pathologists	<input type="radio"/>	<input type="radio"/>	VE659193
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/>	<input type="radio"/>	VE659197
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	<input type="radio"/>	<input type="radio"/>	VE659194
f. Parent volunteers	<input type="radio"/>	<input type="radio"/>	VE659196

## **Appendix F-3k: 2016 Pilot Grade 4 Reading**



1. Is there a reading specialist available (full- or part-time) to fourth-grade students at your school?

- A Yes, available full-time to fourth-grade students
- B Yes, available part-time to fourth-grade students
- C No

2. To what extent are each of the following a responsibility of the reading specialist(s) 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 one-on-one help to students on various reading topics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH259934
b. Provide one-on-one help to students at various achievement levels	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH259935

3. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for fourth-grade students with disabilities (SD)? Select **one** circle in each row.

	Yes	No	
a. Special Education teachers (and related service providers)	<input type="radio"/> A	<input type="radio"/> B	VH335489
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VH335490
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VH335494
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VH335492
e. Paraprofessionals or teacher aides who are not trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VH335491
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VH335493

VH335406

4. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for fourth-grade English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Certified ELL/bilingual education teachers	<input type="radio"/> A	<input type="radio"/> B	VH335410
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VH335407
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VH335408
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH335409
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH335412
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VH335411

VH335506

5. To what extent does your school's fourth-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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335508
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335509
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335507

6. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH259997
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240555
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240559
d. Understanding the cognitive process of an individual when they are reading or writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260000
e. Use of scoring guides to evaluate student work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260001
f. Instructional strategies for teaching English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260002

7. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260138
b. Computer software for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260140
c. Library books	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260142
d. Audio-visual resources for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260143

## **Appendix F-3l: 2015 Operational Grade 8 Reading**

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 language arts across the curriculum	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380371
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380372
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634273
d. Understanding the process of reading or writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380373
e. Use of rubrics to evaluate student work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634274
f. Instructional strategies for teaching language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380374
g. Effective use of technology in English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE589137

**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.

2. Is there a reading specialist available (full- or part-time) to eighth-grade students at your school?

- Ⓐ Yes, available full-time to eighth-grade students
- Ⓑ Yes, available part-time to eighth-grade students
- Ⓒ No → *Question 3 is not applicable and will be skipped.*

3. To what extent are each of the following a responsibility of the reading specialist(s) 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 reading instruction to students on various topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF009700
b. Provide reading instruction to students at various ability levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF009703

4. Is there a literacy coach available (full- or part-time) to eighth-grade teachers at your school?

- Ⓐ Yes, available full-time to eighth-grade teachers
- Ⓑ Yes, available part-time to eighth-grade teachers
- Ⓒ No → *Question 5 is not applicable and will be skipped.*

5. To what extent are each of the following a responsibility of the literacy coach(es) 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 assistance/support to individual teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659079
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659082

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. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191181
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191182
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191185
d. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191187
e. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191188
f. Recommendations from school reading/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191191
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191194
h. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191195
i. Internet resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE602360

7. To what extent does your school’s eighth-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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311766
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311768
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311770

8. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for eighth-grade students with disabilities (SD)? Select **one** circle in each row.

	Yes	No	
a. Special Education teachers (and related service providers)	<input type="radio"/> A	<input type="radio"/> B	VE659260
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VE659261
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VE659262
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE659266
e. Paraprofessionals or teacher aides who are not trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE659263
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VE659265



9. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for eighth-grade English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Certified ELL/bilingual education teachers	<input type="radio"/> A	<input type="radio"/> B	VE659292
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VE659286
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VE659287
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VE659291
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VE659288
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VE659290

## **Appendix F-3m: 2016 Pilot Grade 8 Reading**

1. Is there a reading specialist available (full- or part-time) to eighth-grade students at your school?

- Ⓐ Yes, available full-time to eighth-grade students
- Ⓑ Yes, available part-time to eighth-grade students
- Ⓒ No

2. To what extent are each of the following a responsibility of the reading specialist(s) 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 one-on-one help to students on various reading topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259962
b. Provide one-on-one help to students at various achievement levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259963

3. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH259997
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240555
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240559
d. Understanding the cognitive process of an individual when they are reading or writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260000
e. Use of scoring guides to evaluate student work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260001
f. Instructional strategies for teaching English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260002

4. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260138
b. Computer software for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260140
c. Library books	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260142
d. Audio-visual resources for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH260143

## **Appendix F-3n: 2015 Operational Grade 12 Reading**

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 language arts across the curriculum	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380371
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380372
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634273
d. Understanding the process of reading or writing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380373
e. Use of rubrics to evaluate student work	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE634274
f. Instructional strategies for teaching language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB380374
g. Effective use of technology in English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE589137

**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.

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
- Ⓒ No → *Question 3 is not applicable and will be skipped.*

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	
a. Provide English/language arts instruction to students on various topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE590210
b. Provide English/language arts instruction to students at various ability levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE590209

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
- Ⓒ No → *Question 5 is not applicable and will be skipped.*

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE602240
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE602243

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. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191181
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191182
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191185
d. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191187
e. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191188
f. Recommendations from school reading/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191191
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191194
h. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC191195
i. Internet resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE602360



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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015298
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015299
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015300

8. 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)	<input type="radio"/> A	<input type="radio"/> B	VE590244
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VE590245
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VE590246
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE590248
e. Paraprofessionals or teacher aides who are not trained to work with students with disabilities	<input type="radio"/> A	<input type="radio"/> B	VE590249
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VE590251

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 English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VE627512
b. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VE627514
c. Certified ELL/bilingual education teachers	<input type="radio"/> A	<input type="radio"/> B	VE627524
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VE627532
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VE627536
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VE627546

10. Does your school offer online English/language arts courses for credit?

- A Yes  
 B No

11. 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	Ⓐ	Ⓑ	VE015317
b. Advanced Placement English Literature and Composition	Ⓐ	Ⓑ	VE015319
c. English language and composition (beyond an introductory course)	Ⓐ	Ⓑ	VE590257
d. English literature and composition (beyond an introductory course)	Ⓐ	Ⓑ	VE590260
e. International Baccalaureate <sup>®</sup> Language A1	Ⓐ	Ⓑ	VE590261

12. 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<sup>®</sup> courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE634841
b. On a postsecondary campus	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE634842
c. Through distance learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VF295504

## **Appendix F-3o: 2015 Operational Grade 4 Mathematics**

VB525184

1. Are fourth-grade teachers in your school required to set aside a certain amount of time each day for mathematics instruction?

- A Yes  
 B No

VB525182

2. Are fourth-grade students from different classes typically **grouped** for mathematics instruction by ability and/or achievement levels (so that some instruction groups are higher in average mathematics ability and/or achievement levels than others)?

- A Yes  
 B No

VB525183

3. How often are fourth-grade students' mathematics placements evaluated?

- A Once a year  
 B Once a marking period (semester, trimester)  
 C More than once a marking period  
 D Students are not grouped by ability.

VC188706

4. At each of the following grades, how much emphasis does your school's mathematics curriculum place on instructing students in **algebraic concepts**, such as patterns and writing number sentences? Select **one** circle in each row.

	Not taught	No emphasis	Little emphasis	Moderate emphasis	Heavy emphasis	Grade not in school	
a. Third grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VC188711
b. Fourth grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VC188713
c. Fifth grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VC188714
d. Sixth grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VC188715

**Questions 5–8** ask about mathematics resource teachers and 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 5–8 based on the roles as defined in this paragraph.

VE659399

5. In addition to their regular classroom teacher, is there a mathematics resource teacher available (full- or part-time) to fourth-grade students at your school?
- Ⓐ Yes, available full-time to fourth-grade students
  - Ⓑ Yes, available part-time to fourth-grade students
  - Ⓒ No → *Question 6 is not applicable and will be skipped.*

VE659419

6. To what extent are each of the following a responsibility of the mathematics resource teacher(s) 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 mathematics remediation/intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659422
b. Provide mathematics remediation/intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659423
c. Provide mathematics enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659424
d. Provide mathematics enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659425

7. Is there a mathematics coach available (full- or part-time) to fourth-grade teachers at your school?

- Ⓐ Yes, available full-time to fourth-grade teachers
- Ⓑ Yes, available part-time to fourth-grade teachers
- Ⓒ No → *Question 8 is not applicable and will be skipped.*

8. To what extent are each of the following a responsibility of the mathematics coach(es) 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 or assistance about mathematics content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659462
b. Provide support or assistance about the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659464
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659463

9. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311204
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311209
c. Results from state/district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311210
d. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311211
e. Results from school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311212
f. Recommendations from school mathematics department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311213
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311214
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311215
i. Internet resources	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF018182

10. To what extent does your school's fourth-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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311198
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311199
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311200



11. Approximately what percentage of your school's classrooms has the following technological resources for fourth-grade mathematics instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Cable/satellite/ closed-circuit television	(A)	(B)	(C)	(D)	(E)	(F)	VE013352
b. Videodisc player/ VCR/DVD player	(A)	(B)	(C)	(D)	(E)	(F)	VE013353
c. Digital/video camera	(A)	(B)	(C)	(D)	(E)	(F)	VE013354
d. Videoconferencing equipment	(A)	(B)	(C)	(D)	(E)	(F)	VE013355
e. Scanner for images or text	(A)	(B)	(C)	(D)	(E)	(F)	VE013356
f. Projection device for projecting images directly from a computer	(A)	(B)	(C)	(D)	(E)	(F)	VE013357
g. Computer	(A)	(B)	(C)	(D)	(E)	(F)	VE013359
h. Internet	(A)	(B)	(C)	(D)	(E)	(F)	VE013360
i. Computer printer	(A)	(B)	(C)	(D)	(E)	(F)	VE013362
j. Handheld devices (e.g., personal digital assistants)	(A)	(B)	(C)	(D)	(E)	(F)	VE509167

## **Appendix F-3p: 2016 Pilot Grade 4 Mathematics**

VH270370

1. In your school, are fourth-grade students from different classes typically **grouped** for mathematics instruction by achievement levels (so that some instruction groups are higher in average mathematics achievement levels than others)?
- Ⓐ Yes
  - Ⓑ No

VH270371

2. In your school, how often are fourth-grade students' mathematics placements evaluated?
- Ⓐ Once a year
  - Ⓑ Once a marking period (semester, trimester)
  - Ⓒ More than once a marking period
  - Ⓓ Students are not grouped by achievement level.

VH240067

3. In addition to their regular classroom teacher, is there a mathematics resource teacher available (full- or part-time) to fourth-grade students at your school?
- Ⓐ Yes, available full-time to fourth-grade students
  - Ⓑ Yes, available part-time to fourth-grade students
  - Ⓒ No

4. In this school year, to what extent are each of the following a responsibility of the mathematics resource teacher(s) 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 technical assistance/support to individual teachers about mathematics content or the teaching of mathematics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH342988
b. Provide mathematics remediation/intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270490
c. Provide mathematics remediation/intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270491
d. Provide mathematics enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270492
e. Provide mathematics enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270493
f. Provide extra-help sessions for students during regular school hours	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270494
g. Provide after-school tutoring for students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270495

5. Approximately what percentage of your school’s classrooms has the following technological resources for fourth-grade mathematics instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Cable/satellite/ closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270509
b. VCR/DVD player	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270510
c. Digital/video camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270511
d. Videoconferencing equipment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270512
e. Scanner for images or text	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270513
f. Device for projecting images directly from a desktop or laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270514
g. Desktop or laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270515
h. Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270516
i. Printer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270517
j. Handheld devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270518
k. Interactive whiteboard	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270519
l. Document camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270521
m. Tablet (for example, Surface Pro, iPad, Kindle Fire)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH270520

6. This year, how many teachers are teaching mathematics in your school? Enter the number of teachers.

7. To what extent does your school provide up-to-date technology resources for mathematics teaching and learning?

- A Not at all
- B Small extent
- C Moderate extent
- D Large extent

8. 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.	<input type="radio"/> A	<input type="radio"/> B	VH270635
b. Peer tutoring in mathematics	<input type="radio"/> A	<input type="radio"/> B	VH270636
c. Mathematics competitions	<input type="radio"/> A	<input type="radio"/> B	VH270637
d. Chess clubs	<input type="radio"/> A	<input type="radio"/> B	VH270638
e. Programming classes	<input type="radio"/> A	<input type="radio"/> B	VH270640
f. Mathematics clubs	<input type="radio"/> A	<input type="radio"/> B	VH270641
g. Teacher led tutoring sessions in mathematics for groups of students	<input type="radio"/> A	<input type="radio"/> B	VH270643
h. Teacher led extra-help sessions in mathematics	<input type="radio"/> A	<input type="radio"/> B	VH270644
i. Family mathematics night	<input type="radio"/> A	<input type="radio"/> B	VH270645

## **Appendix F-3q: 2015 Operational Grade 8 Mathematics**

1. What percentage of eighth-grade students in your school enrolls in more than one mathematics class in a year (including summer school) for the purpose of remediation or to catch up to grade level? Do not include students who receive additional mathematics instruction as part of special education or because of IEP provisions.
- Ⓐ None
  - Ⓑ 1 to 5 percent
  - Ⓒ 6 to 10 percent
  - Ⓓ 11 to 20 percent
  - Ⓔ More than 20 percent

2. What percentage of eighth-grade students in your school enrolls in more than one mathematics class in a year (including summer school) for the purpose of advancement or to get ahead of grade level?
- Ⓐ None
  - Ⓑ 1 to 5 percent
  - Ⓒ 6 to 10 percent
  - Ⓓ 11 to 20 percent
  - Ⓔ More than 20 percent



3. What percentage of eighth-grade students in your school is enrolled in the following mathematics classes? Select **one** circle in each row.

	None	1–10%	11–25%	26–50%	51–75%	76–90%	91–100%	
a. Eighth-grade mathematics (not algebra or pre-algebra)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525186
b. Introduction to algebra or pre-algebra	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525187
c. Two-year pre-algebra	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VE013703
d. Algebra I (one-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525188
e. Algebra I (first year of two-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525189
f. Algebra I (second year of two-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB517155
g. Geometry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525190
h. Algebra II	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525191
i. Integrated or sequential mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VB525192

4. Do students who complete a one-year course in Algebra I by the end of eighth-grade receive high school credit?

- A Yes  
 B No

**Questions 5–8** ask about mathematics resource teachers and 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 5–8 based on the roles as defined in this paragraph.

VE659418

5. In addition to their regular classroom teacher, is there a mathematics resource teacher available (full- or part-time) to eighth-grade students at your school?
- Ⓐ Yes, available full-time to eighth-grade students
  - Ⓑ Yes, available part-time to eighth-grade students
  - Ⓒ No → *Question 6 is not applicable and will be skipped.*

VE659430

6. To what extent are each of the following a responsibility of the mathematics resource teacher(s) 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 mathematics remediation/intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659436
b. Provide mathematics remediation/intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659434
c. Provide mathematics enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659435
d. Provide mathematics enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659433

7. Is there a mathematics coach available (full- or part-time) to eighth-grade teachers at your school?

- Ⓐ Yes, available full-time to eighth-grade teachers
- Ⓑ Yes, available part-time to eighth-grade teachers
- Ⓒ No → *Question 8 is not applicable and will be skipped.*

8. To what extent are each of the following a responsibility of the mathematics coach(es) 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 or assistance about mathematics content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659469
b. Provide support or assistance about the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659470
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE659471

9. Are eighth-grade students typically assigned to mathematics classes by ability and/or achievement levels (so that some instruction groups are higher in average mathematics ability and/or achievement levels than others)?

- Ⓐ Yes
- Ⓑ No

10. Please estimate the percentage of students that is transferred to a higher ability/achievement-based placement in mathematics between eighth and ninth grade.
- Ⓐ Less than 1 percent
  - Ⓑ 1 to 5 percent
  - Ⓒ 6 to 10 percent
  - Ⓓ 11 to 25 percent
  - Ⓔ More than 25 percent
  - Ⓕ Students are not grouped by ability.

11. Please estimate the percentage of students that is transferred to a lower ability/achievement-based placement in mathematics between eighth and ninth grade.
- Ⓐ Less than 1 percent
  - Ⓑ 1 to 5 percent
  - Ⓒ 6 to 10 percent
  - Ⓓ 11 to 25 percent
  - Ⓔ More than 25 percent
  - Ⓕ Students are not grouped by ability.

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311204
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311209
c. Results from state/district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311210
d. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311211
e. Results from school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311212
f. Recommendations from school mathematics department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311213
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311214
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311215
i. Internet resources	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF018182

13. To what extent does your school's eighth-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. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311854
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311855
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311857

14. Approximately what percentage of your school's classrooms has the following technological resources for eighth-grade mathematics instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Cable/satellite/ closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013908
b. Videodisc player/ VCR/DVD player	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013909
c. Digital/video camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013910
d. Videoconferencing equipment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013914
e. Scanner for images or text	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013916
f. Projection device for projecting images directly from a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013917
g. Computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013919
h. Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013922
i. Computer printer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013923
j. Handheld devices (e.g., personal digital assistants)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE509176

## **Appendix F-3r: 2016 Pilot Grade 8 Mathematics**

1. This year, how many teachers are teaching mathematics in your school? Enter the number of teachers.

2. In your school, approximately what percentage of eighth-grade students enrolls in more than one mathematics class in a year (including summer school 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.

- Ⓐ 0–10%
- Ⓑ 11–20%
- Ⓒ 21–30%
- Ⓓ 31–40%
- Ⓔ 41–50%
- Ⓕ More than 50%



3. In this school year, to what extent are each of the following a responsibility of the mathematics resource teacher(s) 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 mathematics remediation/intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270552
b. Provide mathematics remediation/intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270553
c. Provide mathematics enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270554
d. Provide mathematics enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270555
e. Provide extra-help sessions for students during regular school hours	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270557
f. Provide after-school tutoring for students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270558

4. To what extent does your school provide up-to-date technology resources for mathematics teaching and learning?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

5. Approximately what percentage of your school’s classrooms has the following technological resources for eighth-grade mathematics instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Cable/satellite/closed-circuit television	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270603
b. VCR/DVD player	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270604
c. Digital/video camera	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270606
d. Videoconferencing equipment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270607
e. Scanner for images or text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270608
f. Device for projecting images directly from a desktop or laptop computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270609
g. Desktop or laptop computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270610
h. Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270611
i. Printer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270612
j. Handheld devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270613
k. Interactive whiteboard	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270614
l. Document camera	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270616
m. Tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH270615

6. 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.	<input type="radio"/> A	<input type="radio"/> B	VH270635
b. Peer tutoring in mathematics	<input type="radio"/> A	<input type="radio"/> B	VH270636
c. Mathematics competitions	<input type="radio"/> A	<input type="radio"/> B	VH270637
d. Chess clubs	<input type="radio"/> A	<input type="radio"/> B	VH270638
e. Programming classes	<input type="radio"/> A	<input type="radio"/> B	VH270640
f. Mathematics clubs	<input type="radio"/> A	<input type="radio"/> B	VH270641
g. Teacher led tutoring sessions in mathematics for groups of students	<input type="radio"/> A	<input type="radio"/> B	VH270643
h. Teacher led extra-help sessions in mathematics	<input type="radio"/> A	<input type="radio"/> B	VH270644
i. Family mathematics night	<input type="radio"/> A	<input type="radio"/> B	VH270645

7. In this school year, what percentage of students has gone to other schools (neighboring middle school, high school, or college) to receive mathematics instruction?

- Ⓐ 0–10%
- Ⓑ 11–20%
- Ⓒ 21–30%
- Ⓓ 31–40%
- Ⓔ 41–50%
- Ⓕ More than 50%

8. Below are some sentences about students who may have to go to other schools for mathematics instruction. Please indicate which statements apply to your students. Select **one** circle in each row.

	Yes	No	
a. There are students in my school who take high school mathematics classes.	Ⓐ	Ⓑ	VH270660
b. My school provides credit for students who take high school or college mathematics classes.	Ⓐ	Ⓑ	VH270661
c. Students at my school who take high school mathematics classes also take the same tests as high school students taking the same course.	Ⓐ	Ⓑ	VH270663
d. There are algebra classes offered in my school that are equivalent to algebra classes offered at the high schools in my district.	Ⓐ	Ⓑ	VH270664

## **Appendix F-3s: 2015 Operational Grade 12 Mathematics**

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?

- Ⓐ Less than two years
- Ⓑ Two years
- Ⓒ Three years
- Ⓓ Four years
- Ⓔ More than four years

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	<input type="radio"/>	<input type="radio"/>	VE592261
b. Integrated mathematics 3 (third year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF301917
c. Integrated mathematics 4 (fourth year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF302450
d. Trigonometry	<input type="radio"/>	<input type="radio"/>	QK070750
e. International Baccalaureate® (IB) Mathematics	<input type="radio"/>	<input type="radio"/>	VE592272
f. Advanced Placement (AP®) Calculus AB	<input type="radio"/>	<input type="radio"/>	VE592274
g. Advanced Placement (AP) Calculus BC	<input type="radio"/>	<input type="radio"/>	VE592275
h. Calculus (other than Advanced Placement [AP] Calculus)	<input type="radio"/>	<input type="radio"/>	VE592266
i. Advanced Placement (AP) Statistics	<input type="radio"/>	<input type="radio"/>	VE592276
j. Probability and/or statistics (other than Advanced Placement [AP] Statistics)	<input type="radio"/>	<input type="radio"/>	VE592279
k. Advanced Placement (AP) Computer Science A	<input type="radio"/>	<input type="radio"/>	VE592281
l. Computer science (other than Advanced Placement [AP] Computer Science)	<input type="radio"/>	<input type="radio"/>	VE592286

4. Which of the following mathematics courses are required for high school graduation? Select **one** circle in each row.

	Yes	No	
a. Algebra I	<input type="radio"/>	<input type="radio"/>	VC194472
b. Geometry	<input type="radio"/>	<input type="radio"/>	VC194473
c. Algebra II	<input type="radio"/>	<input type="radio"/>	VC194474
d. Statistics/Probability	<input type="radio"/>	<input type="radio"/>	VC194475
e. Integrated mathematics 1 (first year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF303628
f. Integrated mathematics 2 (second year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF303989
g. Integrated mathematics 3 (third year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF304235
h. Integrated mathematics 4 (fourth year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VF304599
i. Other mathematics course (specify): _____ _____	<input type="radio"/>	<input type="radio"/>	VE610194



**Questions 5–8** ask about mathematics resource teachers and 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 5–8 based on the roles as defined in this paragraph.

VE634602

5. In addition to their regular classroom teacher, is there a mathematics resource teacher 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
  - Ⓒ No → *Question 6 is not applicable and will be skipped.*

6. To what extent are each of the following a responsibility of the mathematics resource teacher(s) available to twelfth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide mathematics course-related support to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592296
b. Provide mathematics course-related support to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592297
c. Provide mathematics remediation/intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592301
d. Provide mathematics remediation/intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592299
e. Provide mathematics enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592300
f. Provide mathematics enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE592298

7. 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
  - Ⓒ No → *Question 8 is not applicable and will be skipped.*

8. 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.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance about mathematics content or the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE606842
b. Provide technical support/assistance to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE606848
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE606851

9. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311204
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311209
c. Results from state/district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311210
d. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311211
e. Results from school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311212
f. Recommendations from school mathematics department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311213
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311214
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC311215
i. Internet resources	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE610100

10. Approximately what percentage of your school's classrooms has the following technological resources available for twelfth-grade mathematics instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Cable/satellite/ closed-circuit television	(A)	(B)	(C)	(D)	(E)	(F)	VE592304
b. DVD player and DVDs	(A)	(B)	(C)	(D)	(E)	(F)	VE592305
c. Digital camera	(A)	(B)	(C)	(D)	(E)	(F)	VE592306
d. Videoconferencing equipment	(A)	(B)	(C)	(D)	(E)	(F)	VE592307
e. Scanner for images or text	(A)	(B)	(C)	(D)	(E)	(F)	VE592313
f. Digital projector (device, e.g., LCD, that connects to a computer to display presentations or demonstrate lessons)	(A)	(B)	(C)	(D)	(E)	(F)	VE592309
g. Internet	(A)	(B)	(C)	(D)	(E)	(F)	VE592311
h. Computer printer	(A)	(B)	(C)	(D)	(E)	(F)	VE592312
i. Handheld computer device (e.g., personal digital assistant)	(A)	(B)	(C)	(D)	(E)	(F)	VE592308
j. Graphing calculators	(A)	(B)	(C)	(D)	(E)	(F)	VE592310
k. Data collection sensors/probes (e.g., tools that connect a handheld device or graphing calculator and detect motion, pH, temperature, and light)	(A)	(B)	(C)	(D)	(E)	(F)	VE592319
l. Online applications	(A)	(B)	(C)	(D)	(E)	(F)	VE592323
m. Digital whiteboard (computerized display panel that responds to fingertip commands and creates a shared interactive space, akin to a traditional chalkboard)	(A)	(B)	(C)	(D)	(E)	(F)	VE592324

11. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269060
b. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269061
c. Social studies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269062
d. Science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269067
e. Computer science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269064
f. Foreign languages	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269065
g. Career and technical/ vocational	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269066
h. Other (specify): _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	VF269063

12. 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)	(B)	(C)	(D)	(E)	(F)	(G)	VE606942
b. On a postsecondary campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VE606947
c. Through distance learning	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VF269101
d. Other (specify): _____	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VE606950

13. 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 your high school campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VE606957
b. On a postsecondary campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VE606958
c. Through distance learning	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VF269104
d. Other (specify): _____	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VE606963



## **Appendix F-3t: 2015 Operational Grade 4 Science**

1. In addition to their regular classroom teacher, is there a science specialist available (full- or part-time) to fourth-grade students at your school?

- Ⓐ Yes, available full-time to fourth-grade students
- Ⓑ Yes, available part-time to fourth-grade students
- Ⓒ No → *Question 2 is not applicable and will be skipped.*

2. To what extent is each of the following a responsibility of the science specialist(s) 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158012
b. Provide science course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158015
c. Provide science enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158014
d. Provide science enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158013

3. Is there a science coach available (full- or part-time) to fourth-grade teachers at your school?

- Ⓐ Yes, available full-time to fourth-grade teachers
- Ⓑ Yes, available part-time to fourth-grade teachers
- Ⓒ No → *Question 4 is not applicable and will be skipped.*

4. To what extent is each of the following a responsibility of the science coach(es) 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 about science content or the teaching of science to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF640402
b. Provide technical support/assistance to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF640403
c. Conduct professional development about science or the teaching of science for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF640404

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. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304220
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304221
c. Results from state/district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304222
d. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304223
e. Results from school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304224
f. Recommendations from school science department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304225
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304226
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304227
i. Internet resources	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142091

6. To what extent does 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304216
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304217
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304218

7. Does your school have laboratory facilities for fourth-grade science instruction?

Yes

No → Question 8 is not applicable and will be skipped.

8. 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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013388
b. Student lab stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013390
c. Storage areas for chemicals and other supplies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013391
d. Electricity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013394
e. Running water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013396
f. Gas for burners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013397
g. Hoods or air hoses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013399
h. Safety equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013400
i. Computers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013401
j. Internet connection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	VE013402

9. To what extent are any of the following available to fourth-grade teachers who teach science?  
Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (including digital forms, such as online textbooks)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF864037
b. Science magazines and books (including digital forms, such as online magazines and books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF864038
c. Supplies or equipment for science demonstrations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013409
d. Supplies or equipment for science labs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013412
e. Student access to computers in class for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013413
f. Student access to computer labs for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013414
g. Teacher access to computers for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013415
h. Computerized science labs for classroom use	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013416
i. Audiovisual materials for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013417
j. Science kits	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013419
k. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013420

10. Approximately what percentage of your school's classrooms has the following technological resources for fourth-grade science instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Desktop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013424
b. Laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013425
c. Tablet computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH158022
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013428
e. CD-ROM	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013429
f. Online software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013430
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013432
h. Cable/satellite/closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013433
i. DVD player and DVDs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013434
j. Digital camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013435
k. Graphing calculator	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013436
l. Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE013437

Part IV: Science

	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)	(A)	(B)	(C)	(D)	(E)	(F)	VE013438
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	(A)	(B)	(C)	(D)	(E)	(F)	VE013439
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	(A)	(B)	(C)	(D)	(E)	(F)	VE013440



11. In this school year, is there a science club offered to fourth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Teacher volunteered (initiated and run by individual teachers)	<input type="radio"/> A	<input type="radio"/> B	VF654583
b. School sponsored (initiated by school and run by school designated personnel)	<input type="radio"/> A	<input type="radio"/> B	VF654584
c. Partnered with external agencies (such as universities, science museums, or industries)	<input type="radio"/> A	<input type="radio"/> B	VF654585

12. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH142332
b. Science competitions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH142334
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH142333

## **Appendix F-3u: 2015 Operational Grade 8 Science**

1. In addition to their regular classroom teacher, is there a science specialist available (full- or part-time) to eighth-grade students at your school?

- Ⓐ Yes, available full-time to eighth-grade students
- Ⓑ Yes, available part-time to eighth-grade students
- Ⓒ No → Question 2 is not applicable and will be skipped.

2. To what extent is each of the following a responsibility of the science specialist(s) 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158027
b. Provide science course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158030
c. Provide science enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158029
d. Provide science enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158028

3. Is there a science coach available (full- or part-time) to eighth-grade teachers at your school?

- Ⓐ Yes, available full-time to eighth-grade teachers
- Ⓑ Yes, available part-time to eighth-grade teachers
- Ⓒ No → *Question 4 is not applicable and will be skipped.*

4. To what extent is each of the following a responsibility of the science coach(es) 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 about science content or the teaching of science to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF654614
b. Provide technical support/assistance to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF654615
c. Conduct professional development about science or the teaching of science for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF654616

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. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304220
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304221
c. Results from state/district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304222
d. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304223
e. Results from school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304224
f. Recommendations from school science department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304225
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304226
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304227
i. Internet resources	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142091

6. To what extent does 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304508
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304510
c. School assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC304511

7. Does your school have laboratory facilities for eighth-grade science instruction?

A Yes

B No → Question 8 is not applicable and will be skipped.

8. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013983
b. Student lab stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013984
c. Storage areas for chemicals and other supplies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013985
d. Electricity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013986
e. Running water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013990
f. Gas for burners	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013991
g. Hoods or air hoses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013992
h. Safety equipment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013993
i. Computers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013995
j. Internet connection	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE013996

9. To what extent are any of the following available to eighth-grade teachers who teach science?  
Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF863974
b. Science magazines and books (including digital forms, such as online magazines and books)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF863976
c. Supplies or equipment for science demonstrations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014005
d. Supplies or equipment for science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014006
e. Student access to computers in class for science instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014008
f. Student access to computer labs for science instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014010
g. Teacher access to computers for science instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014011
h. Computerized science labs for classroom use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014012
i. Audiovisual materials for science instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014014
j. Science kits	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014015
k. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE014016

10. Approximately what percentage of your school's classrooms has the following technological resources for eighth-grade science instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Desktop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014020
b. Laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014021
c. Tablet computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH158037
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014024
e. CD-ROM	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014025
f. Online software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014026
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014027
h. Cable/satellite/closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014029
i. DVD player and DVDs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014030
j. Digital camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014033
k. Graphing calculator	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014041
l. Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE014042



Part IV: Science

	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE014043
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE014046
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE014047

11. In this school year, is there a science club offered to eighth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Teacher volunteered (initiated and run by individual teachers)	Ⓐ	Ⓑ	VF654618
b. School sponsored (initiated by school and run by school designated personnel)	Ⓐ	Ⓑ	VF654619
c. Partnered with external agencies (such as universities, science museums, or industries)	Ⓐ	Ⓑ	VF654620

12. 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	Ⓐ	Ⓑ	Ⓒ	VH142363
b. Science competitions	Ⓐ	Ⓑ	Ⓒ	VH142365
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	Ⓐ	Ⓑ	Ⓒ	VH142364

## **Appendix F-3v: 2015 Operational Grade 12 Science**

1. Beginning with ninth grade, how many years (or Carnegie-unit equivalents) of course work in science does your school or district require for graduation?

- Ⓐ Less than two years
- Ⓑ Two years
- Ⓒ Three years
- Ⓓ Four years
- Ⓔ More than four years

2. Does your school offer online science 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. Advanced Placement Biology	<input type="radio"/> A	<input type="radio"/> B	VC308200
b. International Baccalaureate® Biology	<input type="radio"/> A	<input type="radio"/> B	VC312550
c. Advanced biology (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	QK070746
d. Advanced Placement Environmental Science	<input type="radio"/> A	<input type="radio"/> B	VC308202
e. International Baccalaureate Environmental Systems	<input type="radio"/> A	<input type="radio"/> B	VC312552
f. Advanced environmental science (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VC308203
g. Advanced Placement Chemistry	<input type="radio"/> A	<input type="radio"/> B	VC308204
h. International Baccalaureate Chemistry	<input type="radio"/> A	<input type="radio"/> B	VC312554
i. Advanced chemistry (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	QK070747
j. Advanced Placement Physics B or C	<input type="radio"/> A	<input type="radio"/> B	VC308206
k. International Baccalaureate Physics	<input type="radio"/> A	<input type="radio"/> B	VC312556
l. Advanced physics (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	QK070748
m. International Baccalaureate Design Technology	<input type="radio"/> A	<input type="radio"/> B	VC312557
n. Advanced technology (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VC312559

4. In addition to their regular classroom teacher, is there a science specialist available (full- or part-time) to twelfth-grade students at your school?
- A Yes, available full-time to twelfth-grade students
  - B Yes, available part-time to twelfth-grade students
  - C No → Question 5 is not applicable and will be skipped.

5. To what extent is each of the following a responsibility of the science 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	
a. Provide science course-related support, remediation, or intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158065
b. Provide science course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158068
c. Provide science enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158067
d. Provide science enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH158066

6. Is there a science 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
  - Ⓒ No → *Question 7 is not applicable and will be skipped.*

7. To what extent is each of the following a responsibility of the science 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 support/assistance about science content or the teaching of science to individual teachers	(A)	(B)	(C)	(D)	VF654642
b. Provide technical support/assistance to individual teachers	(A)	(B)	(C)	(D)	VF654643
c. Conduct professional development about science or the teaching of science for groups of teachers	(A)	(B)	(C)	(D)	VF654644

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	
a. State curriculum standards or frameworks	(A)	(B)	(C)	(D)	VC304220
b. District curriculum standards or curriculum guides	(A)	(B)	(C)	(D)	VC304221
c. Results from state/district assessments	(A)	(B)	(C)	(D)	VC304222
d. In-school curriculum frameworks and standards for learning	(A)	(B)	(C)	(D)	VC304223
e. Results from school assessments	(A)	(B)	(C)	(D)	VC304224
f. Recommendations from school science department	(A)	(B)	(C)	(D)	VC304225
g. Discretion of individual teachers	(A)	(B)	(C)	(D)	VC304226
h. Commercially designed programs	(A)	(B)	(C)	(D)	VC304227
i. Internet resources	(A)	(B)	(C)	(D)	VH142091

9. Does your school have laboratory facilities for twelfth-grade science instruction?

A Yes

B No → Question 10 is not applicable and will be skipped.

10. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142109
b. Student lab stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142110
c. Storage areas for chemicals and other supplies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142111
d. Electricity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142112
e. Running water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142118
f. Gas for burners	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142114
g. Hoods or air hoses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142115
h. Safety equipment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142116
i. Computers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142117
j. Internet connection	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH142113



11. To what extent are any of the following available to twelfth-grade teachers who teach science?  
Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (including digital forms, such as online textbooks)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF863506
b. Science magazines and books (including digital forms, such as online magazines and books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VF863510
c. Supplies or equipment for science demonstrations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015633
d. Supplies or equipment for science labs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015634
e. Student access to computers in class for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015635
f. Student access to computer labs for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015636
g. Teacher access to computers for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015637
h. Computerized science labs for classroom use	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015638
i. Audiovisual materials for science instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015639
j. Science kits	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015640
k. Scientific measurement instruments (e.g., telescopes, microscopes, thermometers, or weighing scales)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE015641

12. Approximately what percentage of your school's classrooms has the following technological resources for twelfth-grade science instruction? Select **one** circle in each row.

	0%	1–25%	26–50%	51–75%	76–99%	100%	
a. Desktop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015643
b. Laptop computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015644
c. Tablet computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH158070
d. Digital projector (device that connects to a computer to display presentations or demonstrate lessons, such as an LCD)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015646
e. CD-ROM	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015647
f. Online software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015648
g. Digital music device (pocket-sized music player used to listen to or create audio files, such as an MP3 player)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015649
h. Cable/satellite/closed-circuit television	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015650
i. DVD player and DVDs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015651
j. Digital camera	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015652
k. Graphing calculator	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015653
l. Handheld device (pocket-sized computing device, such as personal digital assistant or smartphone)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE015654

Part IV: Science

	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE015655
n. Online course management system (web-based software used to organize information, assignments, grades, and discussions)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE015656
o. Digital whiteboard (computerized display panels that can respond to fingertip command and creates a shared interactive space, akin to traditional chalkboards)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE015657

13. In this school year, is there a science club offered to twelfth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Teacher volunteered (initiated and run by individual teachers)	Ⓐ	Ⓑ	VF654646
b. School sponsored (initiated by school and run by school designated personnel)	Ⓐ	Ⓑ	VF654647
c. Partnered with external agencies (such as universities, science museums, or industries)	Ⓐ	Ⓑ	VF654648

14. 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	Ⓐ	Ⓑ	Ⓒ	VH142407
b. Science competitions	Ⓐ	Ⓑ	Ⓒ	VH142409
c. Science-related field trips (including museums, zoos, aquariums, science centers, and other similar sites)	Ⓐ	Ⓑ	Ⓒ	VH142408

## **Appendix F-3w: 2012 Pilot Grade 4 Writing**

## Part II: Writing

1. Are any of the following resources available in your school? Fill in **one** oval on each line. VE607174

- |  | Yes                     | No                      |          |
|--|-------------------------|-------------------------|----------|
| a. Mentors or literacy coaches assigned to help new teachers with teaching or evaluating students' writing         | <input type="radio"/> A | <input type="radio"/> B | VE607180 |
| b. Mentors or literacy coaches assigned to help experienced teachers with teaching or evaluating students' writing | <input type="radio"/> A | <input type="radio"/> B | VE607183 |
| c. Reading and/or English/language arts specialist   | <input type="radio"/> A | <input type="radio"/> B | VE607195 |

2. Are the following activities/programs offered in your school? Fill in **one or more** ovals on each line. VE032835

- |  | Yes,<br>provided<br>by school<br>or district<br>personnel | Yes,<br>provided by<br>professionals<br>outside of<br>my school or<br>district | No                      |          |
|--|---|--|-------------------------|----------|
| a. Schoolwide writing initiative, such as specific guidelines or objectives for school writing instruction | <input type="radio"/> A                                   | <input type="radio"/> B  | <input type="radio"/> C | VE032874 |
| b. Reading or writing support for students   | <input type="radio"/> A                                   | <input type="radio"/> B  | <input type="radio"/> C | VE630772 |
| c. Professional development in writing or teaching writing— <b>for English/language arts teachers only</b> | <input type="radio"/> A                                   | <input type="radio"/> B  | <input type="radio"/> C | VE032894 |
| d. Professional development in writing or teaching writing— <b>for all teachers</b>                        | <input type="radio"/> A                                   | <input type="radio"/> B  | <input type="radio"/> C | VE032897 |

VE230120

3. To what extent are students at your school asked to write in content areas other than English/language arts—e.g., in social studies, science, or mathematics classes?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

VE607190

4. By the end of this school year, approximately what percentage of teaching time will your teachers and staff have spent instructing fourth-grade students on keyboarding and word processing?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–50%
- Ⓕ Over 50%

VE607192

5. How often do fourth-grade students in your school receive computer-based writing assignments?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week



6. How often do fourth-grade students in your school take computer-based writing tests with an extended constructed-response component?

VE607193

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

7. Does your school offer school-sponsored extracurricular activities such as clubs, competitions, fairs, or exhibits involving writing activities?

VE230124

- Ⓐ Yes
- Ⓑ No

8. Does your school or district offer summer programs in writing remediation or enrichment to students? Fill in **one** oval on each line.

VE230127

	Yes	No
a. Remediation	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ
b. Enrichment	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ

VE230145

VE230147

9. How many computers does your school have for student use?

VE230150

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## **Appendix F-3x: 2011 Operational Grade 8 Writing**

## Part II: Writing

1. In your school, are any of the following resources available to English/language arts teachers? Fill in **one** oval on each line. VE230116

- |  | Yes                       | No                        |          |
|--|---------------------------|---------------------------|----------|
| a. Mentor or lead teacher assigned to help new English/language arts teachers with lesson plans, teaching strategies, classroom organization, etc.         | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230117 |
| b. Mentor or lead teacher assigned to help experienced English/language arts teachers with lesson plans, teaching strategies, classroom organization, etc. | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230118 |
| c. Reading and/or English/language arts specialist   | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230119 |

2. Are the following activities/programs offered in your school? Fill in **one or more ovals** on each line. VE032835

- |  | Yes,<br>provided<br>by school<br>or district<br>personnel | Yes,<br>provided by<br>professionals<br>outside of<br>my school or<br>district | No                        |          |
|--|---|--|---------------------------|----------|
| a. Schoolwide writing initiative, such as specific guidelines or objectives for school writing instruction | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032874 |
| b. Literacy or writing coaching for teachers   | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032877 |
| c. Professional development in writing or teaching writing— <b>for English/language arts teachers only</b> | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032894 |
| d. Professional development in writing or teaching writing— <b>for all teachers</b>                        | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032897 |



VE230120

3. To what extent are students at your school asked to write in content areas other than English/language arts—e.g., in social studies, science, or mathematics classes?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

VE230124

4. Does your school offer school-sponsored extracurricular activities such as clubs, competitions, fairs, or exhibits involving writing activities?

- Ⓐ Yes
- Ⓑ No

VE230127

5. Does your school or district offer summer programs in writing remediation or enrichment to students? Fill in **one** oval on each line.

	<b>Yes</b>	<b>No</b>
a. Remediation	Ⓐ	Ⓑ
b. Enrichment	Ⓐ	Ⓑ

VE230145

VE230147

VE230150

6. How many computers does your school have for student use?

□, □ □ □

**Appendix F-3y: 2016 Pilot Grade 8 Writing (COI)**

1. This year, have the following professional development programs (i.e., training sessions and workshops, including online classes) been offered in your school **for English/language arts 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 writing instruction	Ⓐ	Ⓑ	Ⓒ	VH312560
b. Programs aimed at developing and improving teachers' keyboarding skills	Ⓐ	Ⓑ	Ⓒ	VH312561
c. Programs aimed at developing and improving teachers' word processing skills	Ⓐ	Ⓑ	Ⓒ	VH312562
d. Other programs (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	VH312563

2. This year, have the following professional development programs (i.e., training sessions and workshops, including online classes) been offered in your school **for teachers not teaching English/language arts**? 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 writing instruction	Ⓐ	Ⓑ	Ⓒ	VH312571
b. Programs aimed at developing and improving teachers' keyboarding skills	Ⓐ	Ⓑ	Ⓒ	VH312572
c. Programs aimed at developing and improving teachers' word processing skills	Ⓐ	Ⓑ	Ⓒ	VH312574
d. Other programs (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	VH312575

3. How often are teachers in your school expected to give students **writing assignments** (for example, short written answers, essays, research papers) in the following classes? Select **one** circle in each row.

	There is no specific expectation around this in my 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	
a. English/language arts class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312580
b. Social studies class such as history, civics, government, or geography	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312581
c. Science class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312582
d. Mathematics class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312583

4. Approximately what percentage of their instructional time are teachers in your school expected to devote to **teaching writing** to 8th grade students in the following subjects? Fill in integer numbers **between 1 and 100** on each row. If there is **no** specific expectation for a particular subject, **enter 0** for that row.

English/language arts class \_\_\_\_\_ %

Social studies class such as history, civics, government, or geography \_\_\_\_\_ %

Science class \_\_\_\_\_ %

Mathematics class \_\_\_\_\_ %

5. Does your school offer students the opportunity to submit their writing to or participate in any of the following? Select **one** circle in each row.

	Yes	No	
a. School newspaper	<input type="radio"/> A	<input type="radio"/> B	VH312624
b. School website	<input type="radio"/> A	<input type="radio"/> B	VH312625
c. Discussion blog	<input type="radio"/> A	<input type="radio"/> B	VH312627

6. Does your school offer any of the following school-sponsored activities to 8th grade students? Select **one** circle in each row.

	Yes	No	
a. Writing club(s) (for example, a creative writing or poetry group)	Ⓐ	Ⓑ	VH312636
b. Writing competition(s)	Ⓐ	Ⓑ	VH312637
c. Special courses or workshops to improve keyboarding skills	Ⓐ	Ⓑ	VH312639
d. Special courses or workshops to learn how to use word processing software	Ⓐ	Ⓑ	VH312640
e. Drama club where students write their own plays	Ⓐ	Ⓑ	VH312643
f. Other (Please specify): _____	Ⓐ	Ⓑ	VH312644

7. Approximately what percentage of their instructional time are **English/language arts teachers** in your school expected to devote to each of the following when **teaching writing** to 8th grade students? Fill in integer numbers **between 1 and 100** on each corresponding row so that the total sums up to 100. If there is **no** specific expectation for a particular topic, **enter 0** for that row.

Development of ideas \_\_\_\_\_ %

Organization of ideas \_\_\_\_\_ %

Effectiveness of expression (e.g., sentence variety, word choice, tone) \_\_\_\_\_ %

Mechanics and conventions (e.g., spelling, grammar, punctuation) \_\_\_\_\_ %

Word processing skills \_\_\_\_\_ %

Other (Please specify): \_\_\_\_\_ %

VH313715

8. Which of the following best describes the keyboarding skills expected of **English/language arts teachers** in your school?

- Ⓐ There is no specific expectation around this in my school.
- Ⓑ Hunt and peck typing/Two-finger typing
- Ⓒ Basic touch-typing
- Ⓓ Rapid and accurate touch-typing

VH313716

9. Approximately how many of the **English/language arts teachers** in your school meet the expectations regarding their keyboarding skills?

- Ⓐ None
- Ⓑ Very few teachers
- Ⓒ Some but less than half of the teachers
- Ⓓ About half of the teachers
- Ⓔ More than half of the teachers
- Ⓕ All or almost all teachers

VH313722

10. Approximately what percentage of the **English/language arts teachers** in your school meet the expectations regarding their keyboarding skills?

%



11. Which of the following best describes the word processing skills expected of **English/language arts teachers** in your school?

- Ⓐ There is no specific expectation around this in my school.
- Ⓑ Basic skills
- Ⓒ Intermediate skills
- Ⓓ Advanced skills

12. Approximately how many of the **English/language arts teachers** in your school meet the expectations regarding their word processing skills?

- Ⓐ None
- Ⓑ Very few teachers
- Ⓒ Some but less than half of the teachers
- Ⓓ About half of the teachers
- Ⓔ More than half of the teachers
- Ⓕ All or almost all teachers

13. Approximately what percentage of the **English/language arts teachers** in your school meet the expectations regarding their word processing skills?

%

## **Appendix F-3z: 2011 Operational Grade 12 Writing**

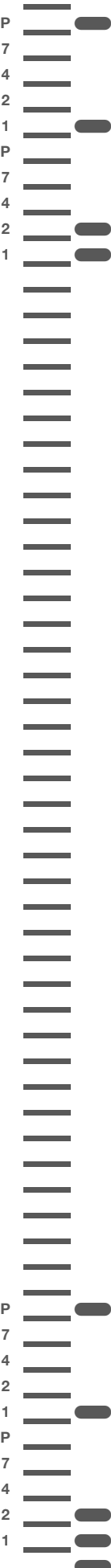
## Part II: Writing

1. In your school, are any of the following resources available to English/language arts teachers? Fill in **one** oval on each line. VE230116

- |  | Yes                       | No                        |          |
|--|---------------------------|---------------------------|----------|
| a. Mentor or lead teacher assigned to help new English/language arts teachers with lesson plans, teaching strategies, classroom organization, etc.         | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230117 |
| b. Mentor or lead teacher assigned to help experienced English/language arts teachers with lesson plans, teaching strategies, classroom organization, etc. | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230118 |
| c. Reading and/or English/language arts specialist   | <input type="radio"/> (A) | <input type="radio"/> (B) | VE230119 |

2. Are the following activities/programs offered in your school? Fill in **one or more ovals** on each line. VE032835

- |  | Yes,<br>provided<br>by school<br>or district<br>personnel | Yes,<br>provided by<br>professionals<br>outside of<br>my school or<br>district | No                        |          |
|--|---|--|---------------------------|----------|
| a. Schoolwide writing initiative, such as specific guidelines or objectives for school writing instruction | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032874 |
| b. Literacy or writing coaching for teachers   | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032877 |
| c. Professional development in writing or teaching writing— <b>for English/language arts teachers only</b> | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032894 |
| d. Professional development in writing or teaching writing— <b>for all teachers</b>                        | <input type="radio"/> (A)                                 | <input type="radio"/> (B)  | <input type="radio"/> (C) | VE032897 |



VE230120

3. To what extent are students at your school asked to write in content areas other than English/language arts—e.g., in social studies, science, or mathematics classes?

- Ⓐ Not at all
- Ⓑ Small extent
- Ⓒ Moderate extent
- Ⓓ Large extent

VE230124

4. Does your school offer school-sponsored extracurricular activities such as clubs, competitions, fairs, or exhibits involving writing activities?

- Ⓐ Yes
- Ⓑ No

VE230127

5. Does your school or district offer summer programs in writing remediation or enrichment to students? Fill in **one** oval on each line.

	<b>Yes</b>	<b>No</b>
a. Remediation	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ
b. Enrichment	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ

VE230145

VE230147

VE230150

6. How many computers does your school have for student use?

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**Appendix F-3aa: 2016 Pilot Grade 12 Writing (COI)**

VH312559

1. This year, have the following professional development programs (i.e., training sessions and workshops, including online classes) been offered in your school **for English/language arts 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 writing instruction	Ⓐ	Ⓑ	Ⓒ	VH312560
b. Programs aimed at developing and improving teachers' keyboarding skills	Ⓐ	Ⓑ	Ⓒ	VH312561
c. Programs aimed at developing and improving teachers' word processing skills	Ⓐ	Ⓑ	Ⓒ	VH312562
d. Other programs (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	VH312563

VH312570

2. This year, have the following professional development programs (i.e., training sessions and workshops, including online classes) been offered in your school **for teachers not teaching English/language arts**? 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 writing instruction	Ⓐ	Ⓑ	Ⓒ	VH312571
b. Programs aimed at developing and improving teachers' keyboarding skills	Ⓐ	Ⓑ	Ⓒ	VH312572
c. Programs aimed at developing and improving teachers' word processing skills	Ⓐ	Ⓑ	Ⓒ	VH312574
d. Other programs (Please specify): _____	Ⓐ	Ⓑ	Ⓒ	VH312575

VH312579

3. How often are teachers in your school expected to give students **writing assignments** (for example, short written answers, essays, research papers) in the following classes? Select **one** circle in each row.

	There is no specific expectation around this in my 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	
a. English/language arts class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312580
b. Social studies class such as history, civics, government, or geography	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312581
c. Science class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312582
d. Mathematics class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH312583

VH336830

4. Approximately what percentage of their instructional time are teachers in your school expected to devote to **teaching writing** to 12th grade students in the following subjects? Fill in integer numbers **between 1 and 100** on each row. If there is **no** specific expectation for a particular subject, **enter 0** for that row.

English/language arts class \_\_\_\_\_ %

Social studies class such as history, civics, government, or geography \_\_\_\_\_ %

Science class \_\_\_\_\_ %

Mathematics class \_\_\_\_\_ %

VH312623

5. Does your school offer students the opportunity to submit their writing to or participate in any of the following? Select **one** circle in each row.

	Yes	No	
a. School newspaper	<input type="radio"/> A	<input type="radio"/> B	VH312624
b. School website	<input type="radio"/> A	<input type="radio"/> B	VH312625
c. Discussion blog	<input type="radio"/> A	<input type="radio"/> B	VH312627

6. Does your school offer any of the following school-sponsored activities to 12th grade students? Select **one** circle in each row.

	Yes	No	
a. Writing club(s) (for example, a creative writing or poetry group)	Ⓐ	Ⓑ	VH313620
b. Writing competition(s)	Ⓐ	Ⓑ	VH313621
c. Special courses or workshops to improve keyboarding skills	Ⓐ	Ⓑ	VH313623
d. Special courses or workshops to learn how to use word processing software	Ⓐ	Ⓑ	VH313628
e. Drama club where students write their own plays	Ⓐ	Ⓑ	VH313627
f. Other (Please specify): _____	Ⓐ	Ⓑ	VH313624

7. Approximately what percentage of their instructional time are **English/language arts teachers** in your school expected to devote to each of the following when **teaching writing** to 12th grade students? Fill in integer numbers **between 1 and 100** on each corresponding row so that the total sums up to 100. If there is **no** specific expectation for a particular topic, **enter 0** for that row.

Development of ideas \_\_\_\_\_ %

Organization of ideas \_\_\_\_\_ %

Effectiveness of expression (e.g., sentence variety, word choice, tone) \_\_\_\_\_ %

Mechanics and conventions (e.g., spelling, grammar, punctuation) \_\_\_\_\_ %

Word processing skills \_\_\_\_\_ %

Other (Please specify): \_\_\_\_\_ %



VH313715

8. Which of the following best describes the keyboarding skills expected of **English/language arts teachers** in your school?

- Ⓐ There is no specific expectation around this in my school.
- Ⓑ Hunt and peck typing/Two-finger typing
- Ⓒ Basic touch-typing
- Ⓓ Rapid and accurate touch-typing

VH313716

9. Approximately how many of the **English/language arts teachers** in your school meet the expectations regarding their keyboarding skills?

- Ⓐ None
- Ⓑ Very few teachers
- Ⓒ Some but less than half of the teachers
- Ⓓ About half of the teachers
- Ⓔ More than half of the teachers
- Ⓕ All or almost all teachers

VH313722

10. Approximately what percentage of the **English/language arts teachers** in your school meet the expectations regarding their keyboarding skills?

%

VH313726

11. Which of the following best describes the word processing skills expected of **English/language arts teachers** in your school?

- Ⓐ There is no specific expectation around this in my school.
- Ⓑ Basic skills
- Ⓒ Intermediate skills
- Ⓓ Advanced skills

VH313728

12. Approximately how many of the **English/language arts teachers** in your school meet the expectations regarding their word processing skills?

- Ⓐ None
- Ⓑ Very few teachers
- Ⓒ Some but less than half of the teachers
- Ⓓ About half of the teachers
- Ⓔ More than half of the teachers
- Ⓕ All or almost all teachers

VH313737

13. Approximately what percentage of the **English/language arts teachers** in your school meet the expectations regarding their word processing skills?

%

## **Appendix F-3ab: 2014 Operational Grade 8 Social Studies**

## Part II: Civics, Geography, and U.S. History

For the purposes of this questionnaire, “civics” means the study of basic concepts about the theory and practice of constitutional democracy in the United States. Also included is the development of intellectual and participatory civic skills, as well as the disposition to assume the rights and responsibilities of individuals in society.

1. At what grade do students in your school typically take the following classes? Fill in all ovals that apply.

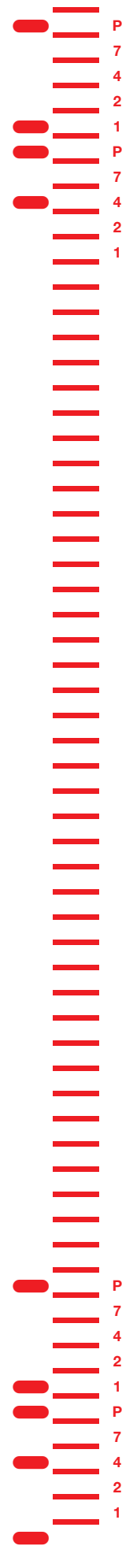
VB338391

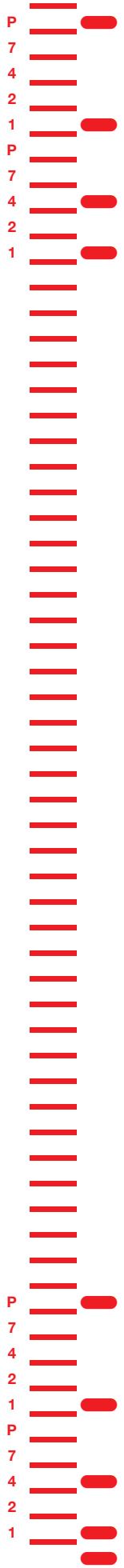
	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.	
a. A class primarily focused on U.S. history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB338392
b. A class primarily focused on geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB338393
c. A class primarily focused on civics or government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB608491

VE015667

2. To what extent have you emphasized each of the following topics in your eighth-grade U.S. history curriculum? Fill in **one** oval on each line.

	Not at all	Small extent	Moderate extent	Large extent	This topic is not offered in my school.	
a. Change and continuity in U.S. democracy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015668
b. Gatherings and interactions of people from various cultures	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015669
c. Technological changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015670
d. Economic changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015671
e. Changing role of the U.S. in the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015672



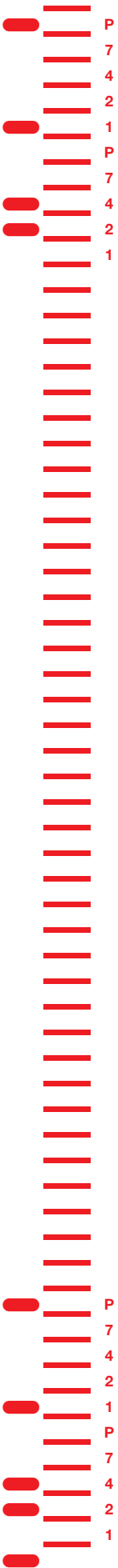


3. To what extent have you emphasized each of the following topics in your eighth-grade civics or government curriculum? Fill in **one** oval on each line. VE015673

	Not at all	Small extent	Moderate extent	Large extent	This topic is not offered in my school.	
a. Politics and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015674
b. Foundations of the U.S. political system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015675
c. The U.S. Constitution	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015676
d. World affairs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015677
e. Roles of citizens in U.S. democracy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015678

4. To what extent have you emphasized each of the following topics in your eighth-grade geography curriculum? Fill in **one** oval on each line. VE015679

	Not at all	Small extent	Moderate extent	Large extent	This topic is not offered in my school.	
a. Space and place (i.e., basic concepts of physical and human geography)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015680
b. Environment and society (i.e., how people adapt to, depend on, and are affected by the natural environment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015681
c. Spatial dynamics and connections (i.e., variation among regions and how people interact across space via communication, transportation, trade)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015682



VE015686

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., U.S. history, civics, or geography)? Fill in **one** oval on each line.

**Yes**                      **No**

- a. Tutoring VE015687
- b. Placement of instructional aides in classrooms to provide assistance VE015690
- c. Use of instructional aides for pull-out instruction VE015691
- d. Extra work or homework VE015694
- e. Before- or after-school programs VE015695
- f. Saturday classes VE015696
- g. Summer school program VE015697
- h. Extra help for English language learners VE015698

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1

6. To what extent is your school's social studies program for eighth-graders (e.g., U.S. history, civics, or geography) structured according to the following resources? Fill in **one** oval on each line.

VE015700

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015702
b. State curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015701
c. National curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE230059
d. School-based curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015703
e. Results from district or school assessments	(A)	(B)	(C)	(D)	VE015705
f. Results from state assessments	(A)	(B)	(C)	(D)	VE015704
g. Results from national assessments	(A)	(B)	(C)	(D)	VE230060
h. Recommendations from district social studies department	(A)	(B)	(C)	(D)	VE015706
i. Discretion of individual teachers	(A)	(B)	(C)	(D)	VE015707
j. Commercially designed programs	(A)	(B)	(C)	(D)	VE015708

7. To what extent does your school's eighth-grade social studies curriculum (e.g., U.S. history, civics, or geography) focus on preparation for the following types of assessments? Fill in **one** oval on each line.

VE015709

	Not at all	Small extent	Moderate extent	Large extent	
a. District or school assessments	(A)	(B)	(C)	(D)	VE015711
b. State assessments	(A)	(B)	(C)	(D)	VE015710
c. National assessments	(A)	(B)	(C)	(D)	VE230061



**Appendix F-3ac: 2014 Probe Grade 8 TEL**

## School Questionnaire – Technology and Engineering Literacy

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).

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638386
b. The interactions among technology, society, and the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638388
c. The role of technology systems (for example, energy usage, healthcare, communications)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638389
d. How computers, the Internet, and other digital technologies affect society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638390
e. Careers in technical fields (for example, engineer, medical technician, computer programmer)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638392
f. Concepts related to specific technologies (for example, electronics, biotechnology, agriculture)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638395

## School Questionnaire – Technology and Engineering Literacy

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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638442

VE638446

3. Prior to or in eighth grade, does your school require any technology or engineering instruction to students?

Ⓐ Yes → Continue to Question 4.

Ⓑ No → Skip to Question 5.

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638453
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638456
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638457
d. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638462
e. In-school curriculum frameworks or standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638459
f. Recommendations from your teachers or content specialists	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638464
g. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638470
h. Textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF821977
i. Other (specify): _____ _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638467

VE638334

5. Prior to or in eighth grade, does your school offer any courses or afterschool programs that cover technology or engineering concepts?

Ⓐ Yes → *Continue to Question 6.*

Ⓑ No → *Skip to Question 8.*

## School Questionnaire – Technology and Engineering Literacy

VE681573

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638486
b. Teacher-developed tests and quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638487
c. Student assignments, projects, or homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638490

## School Questionnaire – Technology and Engineering Literacy

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?
- Ⓐ Yes, 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).
  - Ⓒ No

## School Questionnaire – Technology and Engineering Literacy

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.

	<b>School does not provide this resource to students.</b>	<b>0–5%</b>	<b>6–20%</b>	<b>21–50%</b>	<b>Over 50%</b>	
a. Clubs, competitions, exhibits, etc., related to some aspect of technology and engineering	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638518
b. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638519
c. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638520
d. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638521
e. Online courses in any subject	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638522



## School Questionnaire – Technology and Engineering Literacy

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.

	<b>Yes</b>	<b>No</b>	
a. Financial support for professional development related to technology and engineering	Ⓐ	Ⓑ	VE638440
b. Financial support for association memberships related to technology and engineering	Ⓐ	Ⓑ	VE638441
c. Financial support for university or online courses related to technology and engineering	Ⓐ	Ⓑ	VE638443
d. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	VE638445
e. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	VE638449
f. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	VE638452
g. Supplies or equipment for technology demonstrations	Ⓐ	Ⓑ	VE638454
h. Textbooks or digital tutorials related to technology or engineering	Ⓐ	Ⓑ	VE675624

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	VE677568
b. Taking digital images	Ⓐ	Ⓑ	Ⓒ	VE677569
c. Converting non-digital images or content (for example, scanner)	Ⓐ	Ⓑ	Ⓒ	VE677570
d. Projecting digital images	Ⓐ	Ⓑ	Ⓒ	VE677571
e. Projecting interactive data (for example, interactive whiteboard that responds to user control via stylus, finger, or other device)	Ⓐ	Ⓑ	Ⓒ	VE677572
f. Collecting data (for example, tools such as sensors or probes that detect or collect information such as motion, pH, temperature, light)	Ⓐ	Ⓑ	Ⓒ	VE677573
g. Mobile computing (for example, handheld or portable computer devices)	Ⓐ	Ⓑ	Ⓒ	VE677574

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638524
b. Lack of technical support personnel	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638525
c. Lack or inadequacy of instructional materials (for example, textbooks, computers, software)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638526
d. Lack or inadequacy of Internet connectivity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638528
e. Lack or inadequacy of laboratory or workshop equipment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638529
f. Lack or inadequacy of audio-visual resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638533
g. Lack of curriculum development expertise or standards specificity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638534
h. Lack of time because of demands for other curriculum content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638535

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE638497
b. Content, curriculum, or pedagogy related to technology or technological literacy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE638498
c. Integrating information and communications technology into instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638336
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638338
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638340
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677585

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638354
b. Compare how different activities affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638355
c. Explain why people have different tools, machines, or devices in different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638375
b. The care or maintenance of tools, machines, or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638376
c. Designing or creating something to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638377
d. Designing something when there is limited time, money, or materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE639184
e. Figuring out how to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677599
f. Finding the right people to work with or get help from to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677600

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677603
b. Use different tools, materials, or machines to see which are best for a given purpose	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638383
c. Build or test a model to see if it solves a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638384
d. Figure out why something is not working in order to fix it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677604
e. Take something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638385
f. Design a computer program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677605
g. Examine how parts, processes, or people work together in a system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677606

## School Questionnaire – Technology and Engineering Literacy

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638396
b. How to credit others for their ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638399
c. How to collaborate or share information with others	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677607
d. How to consult with experts to get help	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677609
e. How to find information or data to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE239167
f. Run simulations (a learning activity that imitates real life)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638433
b. Select and use appropriate digital technologies to create a presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638434
c. Use a computer or other digital technology to simulate a system and explain different outcomes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638428
d. Give feedback to others when working together	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638420

## **Appendix F-3ad: 2015 Operational Grade 4 NIES**



1. What is your professional position (title) at this school?

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2. Counting this year, how many years has the current principal or head of school held his/her position at this school? If less than 1 year total, enter "01."

<input type="text"/>	<input type="text"/>	Years
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3. Which of the following describes your school best? Please select **one** circle only.

- Ⓐ Regular public school
- Ⓑ Charter public school
- Ⓒ Bureau of Indian Education contracted or grant school
- Ⓓ Bureau of Indian Education operated school
- Ⓔ Other nonpublic school

4. Is your school a boarding school?

- Ⓐ Yes
- Ⓑ No

5. Is your school located on a reservation/on tribal land?

- A Yes
- B No

6. Is your school an American Indian or Alaska Native language immersion school?

- A Yes
- B No

7. How many American Indian and/or Alaska Native students are enrolled at your school? (Include both enrolled tribal members and descendants in your calculations.)

,    Students

8. For this school year, has funding from any of the following sources been used to provide educational services and support for American Indian or Alaska Native students? Some of the sources are designated specifically for American Indian or Alaska Native education, while others are intended for broader use. Select **one** circle in each row.

	Yes	No	I don't know.	
a. Title I funds (Compensatory Education)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190549
b. Title II funds (Professional Improvement)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190550
c. Title III or other bilingual or ESL/ELL funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190551
d. Title VII, Indian Education Formula Grant	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190552
e. Title VII, Discretionary Grant under Indian Education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190553
f. Individuals with Disabilities Education Act (IDEA) funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190555
g. Impact Aid Program	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190556
h. Johnson-O'Malley Grant	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190557
i. Alaska Native Education Programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190589
j. Tribal or Village funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190592
k. Other funding sources related to American Indian or Alaska Native education (e.g., grants, donations, tuition, etc.)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190594

9. Are families of your students involved with your school in the following ways? Select **one** circle in each row.

	Yes	No	
a. Academic club (for example, math club)	<input type="radio"/> A	<input type="radio"/> B	VH158590
b. Arts club	<input type="radio"/> A	<input type="radio"/> B	VH158591
c. Cultural dances or activities (for example, drum groups)	<input type="radio"/> A	<input type="radio"/> B	VH158592
d. Drama club	<input type="radio"/> A	<input type="radio"/> B	VH158593
e. Making school curriculum decisions	<input type="radio"/> A	<input type="radio"/> B	VH158594
f. Open houses or back-to-school nights	<input type="radio"/> A	<input type="radio"/> B	VH158600
g. Parent-teacher conferences	<input type="radio"/> A	<input type="radio"/> B	VH158596
h. Parent-teacher organizations	<input type="radio"/> A	<input type="radio"/> B	VH158597
i. School sports	<input type="radio"/> A	<input type="radio"/> B	VH158598
j. Volunteer programs	<input type="radio"/> A	<input type="radio"/> B	VH158599
k. Other (please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH158595

10. In a typical school year, how many times has a member of the American Indian or Alaska Native community done the following? Select **one** circle in each row.

	Never	1-2 times	3 or more times	I don't know.	
a. Visited the school to discuss education issues with students and staff, other than a conference regarding an individual student	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC962943
b. Visited the school to share American Indian or Alaska Native traditions and culture with students and staff	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC962944
c. Participated in Indian Education Parent Groups	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC962946

11. Are the following courses and programs about American Indian or Alaska Native traditions and culture offered at your school each year? Select **one** circle in each row.

	Yes	No	
a. Year-long course	<input type="radio"/> A	<input type="radio"/> B	VH154927
b. Semester-long course	<input type="radio"/> A	<input type="radio"/> B	VH154928
c. Workshop or unit	<input type="radio"/> A	<input type="radio"/> B	VH154932
d. Clubs	<input type="radio"/> A	<input type="radio"/> B	VH154930
e. Other programs (for example, study groups before or after regular class periods)	<input type="radio"/> A	<input type="radio"/> B	VH154929

12. Are the following courses or programs about American Indian or Alaska Native traditions and culture required or elective for students at your school? Select **one** circle in each row.

	Required	Elective	Not offered	
a. Year-long course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962964
b. Semester-long course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962966
c. Workshop or unit	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962967

13. Do students in your school receive instruction about American Indian or Alaska Native cultures in any of the following areas? Select **one** circle in each row.

	Yes	No	
a. Oral language	<input type="radio"/> A	<input type="radio"/> B	VC963005
b. Written language	<input type="radio"/> A	<input type="radio"/> B	VC963007
c. History of tribes or cultural groups	<input type="radio"/> A	<input type="radio"/> B	VC963008
d. Traditions and customs	<input type="radio"/> A	<input type="radio"/> B	VC963009
e. Arts, crafts, music, or dance	<input type="radio"/> A	<input type="radio"/> B	VC963010
f. Tribal or village government	<input type="radio"/> A	<input type="radio"/> B	VC963013
g. Current events and issues important to tribes or cultural groups	<input type="radio"/> A	<input type="radio"/> B	VC963014

14. How much influence does each of the following standards have on your school’s **reading/language arts** curriculum? Select **one** circle in each row.

	No influence	A little influence	Some influence	A lot of influence	Unaware of standards	
a. State content standards	(A)	(B)	(C)	(D)	(E)	VC963019
b. District content standards	(A)	(B)	(C)	(D)	(E)	VC963020
c. Standards developed by national professional organizations	(A)	(B)	(C)	(D)	(E)	VC963021
d. American Indian or Alaska Native content or cultural standards	(A)	(B)	(C)	(D)	(E)	VC963022

15. How much influence does each of the following standards have on your school’s **mathematics** curriculum? Select **one** circle in each row.

	No influence	A little influence	Some influence	A lot of influence	Unaware of standards	
a. State content standards	(A)	(B)	(C)	(D)	(E)	VC963025
b. District content standards	(A)	(B)	(C)	(D)	(E)	VC963026
c. Standards developed by national professional organizations	(A)	(B)	(C)	(D)	(E)	VC963027
d. American Indian or Alaska Native content or cultural standards	(A)	(B)	(C)	(D)	(E)	VC963028

16. Considering all of the students in your school, to what extent is each of the following a problem? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Student absenteeism	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158607
b. Student tardiness	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158608
c. Student health problems	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158609
d. Student misbehavior in class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158611
e. Physical conflicts among students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158612
f. Bullying	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158613
g. Low student aspirations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158614
h. Low teacher expectations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158615
i. Low family involvement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158616
j. Inadequate transportation for students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158618

17. Which of the following types of student and family services are offered at your school on a regular basis? Select **one** circle in each row.

	Offered	Not offered	
a. Health services for students such as a school nurse	<input type="radio"/> A	<input type="radio"/> B	VC963042
b. Health services for families such as a community clinic	<input type="radio"/> A	<input type="radio"/> B	VC963043
c. Social or counseling services for students	<input type="radio"/> A	<input type="radio"/> B	VC963045
d. Social or counseling services for families	<input type="radio"/> A	<input type="radio"/> B	VC963047
e. Adult education programs for all ages	<input type="radio"/> A	<input type="radio"/> B	VC963048
f. Tutoring services for students	<input type="radio"/> A	<input type="radio"/> B	VH017944
g. Career counseling services for students	<input type="radio"/> A	<input type="radio"/> B	VH017945

18. In a typical school year, how often does your school provide each of the following opportunities for communication between school and families? Select **one** circle in each row.

	A few times a year	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Teacher/family conferences (individual or group)	(A)	(B)	(C)	(D)	VC963053
b. Information (for example, expectations, procedures, calendars) sent home about school	(A)	(B)	(C)	(D)	VC963054
c. Written reports (for example, report cards) of child's performance sent home	(A)	(B)	(C)	(D)	VC963055
d. Events at school in which families are invited to participate	(A)	(B)	(C)	(D)	VC963056
e. Opportunities to participate in formulation of school policies and improvement plans	(A)	(B)	(C)	(D)	VC963057
f. Opportunities to share American Indian or Alaska Native histories and traditions as part of the instructional program	(A)	(B)	(C)	(D)	VC963058
g. Telephone calls with parents	(A)	(B)	(C)	(D)	VC963059
h. Information provided through websites or e-mail	(A)	(B)	(C)	(D)	VC963060



19. Please indicate what percentage of the individuals at your school is described by each of the following statements: Select **one** circle in each row.

	0%	1-5%	6-10%	11-25%	26-50%	51-75%	76-100%	I don't know.	
a. Teachers at this school for 3 or more years	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VC963065
b. American Indian or Alaska Native teachers at this school	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VC963073
c. American Indian or Alaska Native staff other than teachers	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VC963074

## **Appendix H/3ae: 2015 Operational Grade 8 NIES**

1. What is your professional position (title) at this school?

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2. Counting this year, how many years has the current principal or head of school held his/her position at this school? If less than 1 year total, enter "01."

<input type="text"/>	<input type="text"/>	Years
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3. Which of the following describes your school best? Please select **one** circle only.

- Ⓐ Regular public school
- Ⓑ Charter public school
- Ⓒ Bureau of Indian Education contracted or grant school
- Ⓓ Bureau of Indian Education operated school
- Ⓔ Other nonpublic school

4. Is your school a boarding school?

- Ⓐ Yes
- Ⓑ No

VH040437

5. Is your school located on a reservation/on tribal land?

Yes

No

VH040477

6. Is your school an American Indian or Alaska Native language immersion school?

Yes

No

VC962919

7. How many American Indian and/or Alaska Native students are enrolled at your school? (Include both enrolled tribal members and descendants in your calculations.)

,  Students

8. For this school year, has funding from any of the following sources been used to provide educational services and support for American Indian or Alaska Native students? Some of the sources are designated specifically for American Indian or Alaska Native education, while others are intended for broader use. Select **one** circle in each row.

	Yes	No	I don't know.	
a. Title I funds (Compensatory Education)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190549
b. Title II funds (Professional Improvement)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190550
c. Title III or other bilingual or ESL/ELL funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190551
d. Title VII, Indian Education Formula Grant	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190552
e. Title VII, Discretionary Grant under Indian Education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190553
f. Individuals with Disabilities Education Act (IDEA) funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190555
g. Impact Aid Program	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190556
h. Johnson-O'Malley Grant	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190557
i. Alaska Native Education Programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190589
j. Tribal or Village funds	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190592
k. Other funding sources related to American Indian or Alaska Native education (e.g., grants, donations, tuition, etc.)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC190594

9. Are families of your students involved with your school in the following ways? Select **one** circle in each row.

	Yes	No	
a. Academic club (for example, math club)	Ⓐ	Ⓑ	VH158590
b. Arts club	Ⓐ	Ⓑ	VH158591
c. Cultural dances or activities (for example, drum groups)	Ⓐ	Ⓑ	VH158592
d. Drama club	Ⓐ	Ⓑ	VH158593
e. Making school curriculum decisions	Ⓐ	Ⓑ	VH158594
f. Open houses or back-to-school nights	Ⓐ	Ⓑ	VH158600
g. Parent-teacher conferences	Ⓐ	Ⓑ	VH158596
h. Parent-teacher organizations	Ⓐ	Ⓑ	VH158597
i. School sports	Ⓐ	Ⓑ	VH158598
j. Volunteer programs	Ⓐ	Ⓑ	VH158599
k. Other (please specify): _____ _____	Ⓐ	Ⓑ	VH158595

10. In a typical school year, how many times has a member of the American Indian or Alaska Native community done the following? Select **one** circle in each row.

	Never	1-2 times	3 or more times	I don't know.	
a. Visited the school to discuss education issues with students and staff, other than a conference regarding an individual student	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC962943
b. Visited the school to share American Indian or Alaska Native traditions and culture with students and staff	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC962944
c. Participated in Indian Education Parent Groups	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC962946

11. Are the following courses and programs about American Indian or Alaska Native traditions and culture offered at your school each year? Select **one** circle in each row.

	Yes	No	
a. Year-long course	<input type="radio"/> A	<input type="radio"/> B	VH154927
b. Semester-long course	<input type="radio"/> A	<input type="radio"/> B	VH154928
c. Workshop or unit	<input type="radio"/> A	<input type="radio"/> B	VH154932
d. Clubs	<input type="radio"/> A	<input type="radio"/> B	VH154930
e. Other programs (for example, study groups before or after regular class periods)	<input type="radio"/> A	<input type="radio"/> B	VH154929

12. Are the following courses or programs about American Indian or Alaska Native traditions and culture required or elective for students at your school? Select **one** circle in each row.

	Required	Elective	Not offered	
a. Year-long course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962964
b. Semester-long course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962966
c. Workshop or unit	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VC962967

13. Do students in your school receive instruction about American Indian or Alaska Native cultures in any of the following areas? Select **one** circle in each row.

	Yes	No	
a. Oral language	<input type="radio"/> A	<input type="radio"/> B	VC963005
b. Written language	<input type="radio"/> A	<input type="radio"/> B	VC963007
c. History of tribes or cultural groups	<input type="radio"/> A	<input type="radio"/> B	VC963008
d. Traditions and customs	<input type="radio"/> A	<input type="radio"/> B	VC963009
e. Arts, crafts, music, or dance	<input type="radio"/> A	<input type="radio"/> B	VC963010
f. Tribal or village government	<input type="radio"/> A	<input type="radio"/> B	VC963013
g. Current events and issues important to tribes or cultural groups	<input type="radio"/> A	<input type="radio"/> B	VC963014

14. How much influence does each of the following standards have on your school’s **reading/language arts** curriculum? Select **one** circle in each row.

	No influence	A little influence	Some influence	A lot of influence	Unaware of standards	
a. State content standards	(A)	(B)	(C)	(D)	(E)	VC963019
b. District content standards	(A)	(B)	(C)	(D)	(E)	VC963020
c. Standards developed by national professional organizations	(A)	(B)	(C)	(D)	(E)	VC963021
d. American Indian or Alaska Native content or cultural standards	(A)	(B)	(C)	(D)	(E)	VC963022

15. How much influence does each of the following standards have on your school’s **mathematics** curriculum? Select **one** circle in each row.

	No influence	A little influence	Some influence	A lot of influence	Unaware of standards	
a. State content standards	(A)	(B)	(C)	(D)	(E)	VC963025
b. District content standards	(A)	(B)	(C)	(D)	(E)	VC963026
c. Standards developed by national professional organizations	(A)	(B)	(C)	(D)	(E)	VC963027
d. American Indian or Alaska Native content or cultural standards	(A)	(B)	(C)	(D)	(E)	VC963028



16. Considering all of the students in your school, to what extent is each of the following a problem? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Student absenteeism	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158607
b. Student tardiness	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158608
c. Student health problems	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158609
d. Teen pregnancies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158617
e. Drug or alcohol use by students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158610
f. Student misbehavior in class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158611
g. Physical conflicts among students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158612
h. Bullying	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158613
i. Low student aspirations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158614
j. Low teacher expectations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158615
k. Low family involvement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158616
l. Inadequate transportation for students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH158618

17. Which of the following types of student and family services are offered at your school on a regular basis? Select **one** circle in each row.

	Offered	Not offered	
a. Health services for students such as a school nurse	<input type="radio"/> A	<input type="radio"/> B	VC963042
b. Health services for families such as a community clinic	<input type="radio"/> A	<input type="radio"/> B	VC963043
c. Social or counseling services for students	<input type="radio"/> A	<input type="radio"/> B	VC963045
d. Social or counseling services for families	<input type="radio"/> A	<input type="radio"/> B	VC963047
e. Adult education programs for all ages	<input type="radio"/> A	<input type="radio"/> B	VC963048
f. Tutoring services for students	<input type="radio"/> A	<input type="radio"/> B	VH017944
g. Career counseling services for students	<input type="radio"/> A	<input type="radio"/> B	VH017945

18. In a typical school year, how often does your school provide each of the following opportunities for communication between school and families? Select **one** circle in each row.

	A few times a year	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Teacher/family conferences (individual or group)	(A)	(B)	(C)	(D)	VC963053
b. Information (for example, expectations, procedures, calendars) sent home about school	(A)	(B)	(C)	(D)	VC963054
c. Written reports (for example, report cards) of child's performance sent home	(A)	(B)	(C)	(D)	VC963055
d. Events at school in which families are invited to participate	(A)	(B)	(C)	(D)	VC963056
e. Opportunities to participate in formulation of school policies and improvement plans	(A)	(B)	(C)	(D)	VC963057
f. Opportunities to share American Indian or Alaska Native histories and traditions as part of the instructional program	(A)	(B)	(C)	(D)	VC963058
g. Telephone calls with parents	(A)	(B)	(C)	(D)	VC963059
h. Information provided through websites or e-mail	(A)	(B)	(C)	(D)	VC963060

19. What percentage of your grade 8 students dropped out of school during the last school year?

- A 0 – 2%
- B 3 – 5%
- C 6 – 10%
- D 11 – 20%
- E 21 – 30%
- F 31 – 40%
- G 41 – 50%
- H More than 50%

20. Please indicate what percentage of the individuals at your school is described by each of the following statements: Select **one** circle in each row.

	0%	1-5%	6-10%	11-25%	26-50%	51-75%	76-100%	I don't know.	
a. Teachers at this school for 3 or more years	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VC963065
b. American Indian or Alaska Native teachers at this school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VC963073
c. American Indian or Alaska Native staff other than teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VC963074

21. To what extent do your school's eighth-grade curricula emphasize preparing students for high school?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

## **Appendix F-3af: 2015 Operational Grade 4, 8, & 12 Giving Back Items**

1. Would you like to receive information about how other school administrators in the nation responded to this questionnaire?

A Yes

B No

2. If yes, please provide your email address so that we may send access to the website when it is available in May.

## **Appendix F-3ag: 2016 Cognitive Interviews Grade 8 Social Studies**

[Grade 8 Social Sciences: School #1]

At what grade do students in your school typically take the following classes?					
Select <b>all</b> squares that apply.	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.
a. A class primarily focused on civics or United States government	A	B	C	D	E
b. A class primarily focused on geography	A	B	C	D	E
c. A class primarily focused on United States history	A	B	C	D	E
d. A class that integrates two or more areas of social studies (e.g., civics or United States government, geography, United States history)	A	B	C	D	E

[Grade 8 Social Sciences: School #2]

To what extent have you emphasized each of the following topics in your eighth-grade United States history curriculum?						
Select <b>one</b> circle in each row.	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	This topic is not offered in my school.
a. Change and continuity in United States democracy (ideas, institutions, events, key figures, and controversies)	A	B	C	D	E	F
b. The gathering and interactions of peoples, cultures, and ideas	A	B	C	D	E	F
c. Technological changes and their relation to society, ideas, and the environment	A	B	C	D	E	F
d. Economic changes and their relation to society, ideas, and the environment	A	B	C	D	E	F
e. The changing role of the United States in the world	A	B	C	D	E	F



[Grade 8 Social Sciences: School #3]

To what extent have you emphasized each of the following topics in your eighth-grade civics or United States government curriculum?						
Select <b>one</b> circle in each row.	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	This topic is not offered in my school.
a. The United States Constitution	A	B	C	D	E	F
b. The legislative branch (e.g., Congress)	A	B	C	D	E	F
c. The executive branch (for example, the President and the cabinet)	A	B	C	D	E	F
d. The judicial branch (e.g., the court system)	A	B	C	D	E	F
e. How laws are made	A	B	C	D	E	F
f. Political parties, elections, and voting	A	B	C	D	E	F
g. State and local government	A	B	C	D	E	F
h. Other countries' governments	A	B	C	D	E	F
i. International organizations (e.g., the United Nations)	A	B	C	D	E	F
j. Current political events	A	B	C	D	E	F
k. Issues affecting our society today	A	B	C	D	E	F

[Grade 8 Social Sciences: School #4]

To what extent have you emphasized each of the following topics in your eighth-grade geography curriculum?						
Select <b>one</b> circle in each row.	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	This topic is not offered in my school.
a. Space and place (i.e., basic concepts of physical and human geography)	A	B	C	D	E	F
b. Environment and society issues (e.g., climate change)	A	B	C	D	E	F
c. Spatial dynamics and connections (i.e., variation among regions and how people interact across space via communication, transportation, trade)	A	B	C	D	E	F
d. Using digital maps and globes	A	B	C	D	E	F
e. Other countries and cultures	A	B	C	D	E	F

[Grade 8 Social Sciences: School #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., United States history, civics or United States government, or geography)?		
Select <b>one</b> circle in each row.		
	<b>Yes</b>	<b>No</b>
a. Tutoring	A	B
b. Placement of instructional aides in classrooms to provide assistance	A	B
c. Use of instructional aides for pull-out instruction	A	B
d. Extra work or homework	A	B
e. Before- or after-school programs	A	B
f. Saturday classes	A	B
g. Summer school program	A	B
h. Extra help for English language learners	A	B

Sch09\_

Sch09\_

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[Grade 8 Social Sciences: School #6]

How much is your school's social studies program for eighth-graders (e.g., United States history, civics or United States government, or geography) structured according to the following resources?						
Select <b>one</b> circle in each row.		Not at all	Very little	Some	Quite a bit	A lot
a.	District curriculum standards or curriculum guides	A	B	C	D	E
b.	State curriculum standards or frameworks	A	B	C	D	E
c.	National curriculum standards or frameworks	A	B	C	D	E
d.	In-school curriculum frameworks and standards for learning	A	B	C	D	E
e.	Results from district or school assessments	A	B	C	D	E
f.	Results from state/district assessments	A	B	C	D	E
g.	Results from national assessments	A	B	C	D	E
h.	Recommendations from district social studies department	A	B	C	D	E
i.	Discretion of individual teachers	A	B	C	D	E
j.	Results from school assessments	A	B	C	D	E
k.	Internet resources	A	B	C	D	E

[Grade 8 Social Sciences: School #7]

How much does your school's eighth-grade social studies curriculum (e.g., United States history, civics or United States government, or geography) focus on preparation for the following types of assessments?						
Select <b>one</b> circle in each row.		Not at all	Very little	Some	Quite a bit	A lot
a.	District assessments	A	B	C	D	E
b.	State assessments	A	B	C	D	E
c.	National assessments	A	B	C	D	E
d.	School assessments	A	B	C	D	E
e.	Computer-based or online assessments	A	B	C	D	E

[Grade 8 Social Sciences: School #8]

This year, have the following professional development programs (i.e., training sessions and workshops, including online classes) been offered in your school <b>for social studies teachers</b> ?			
Select <b>one or more</b> circles in each row.			
	<b>Yes, provided by school or district personnel</b>	<b>Yes, provided by professionals outside of my school or district</b>	<b>No</b>
a.	Programs aimed at developing and improving practices for social studies instruction	A	B
b.	Programs aimed at developing and improving general teaching practices	A	B
c.	Programs aimed at developing and improving teachers' keyboarding skills	A	B
d.	Programs aimed at developing and improving teachers' word processing skills	A	B
e.	Other programs (Please specify): _____	A	B

Sch20\_00

Sch20\_00

Sch20\_01

Sch20\_02

Sch20\_03

Sch20\_04

Sch20\_05

[Grade 8 Social Sciences: School #9]

Does your school offer any of the following school-sponsored activities to eighth-grade students?		
Select <b>one</b> circle in each row.		
	<b>Yes</b>	<b>No</b>
a.	Student government	A
b.	Class(es) with a service-learning component	A
c.	Club(s) with a community service component	A
d.	Special courses or workshops to improve skills with computers or other digital devices	A
e.	Other (Please specify): _____	A

Sch22\_000

Sch22\_001

Sch22\_01

Sch22\_02

Sch22\_03

Sch22\_04

Sch22\_05

## **Appendix F-3ah: 2016 Cognitive Interviews Grade 8 Core (SCP)**

TBD

Does your school, district, or diocese offer tenure to teachers?

A. Yes

B. No

## **Appendix F-3ai: 2016 Cognitive Interviews Grade 8 Reading**

[Grade 8 Reading: School #1]

TBD			
<p>In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for eighth-grade English language learners (ELL)? Select <b>one</b> circle in each row.</p>			
	Yes	No	
a. Certified ELL/bilingual education teachers	A	B	TBD
b. Reading specialists or literacy coaches	A	B	TBD
c. Speech pathologists	A	B	TBD
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	A	B	TBD
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	A	B	TBD
f. Parent volunteers	A	B	TBD

[Grade 8 Reading: School #2]

TBD					
<p>To what extent are each of the following a responsibility of the reading specialist(s) available to eighth-grade students at your school? Select <b>one</b> circle in each row.</p>					
	Not at all	Small extent	Moderate extent	Large extent	
a. Provide one-on-one help to students on various reading topics	A	B	C	D	TBD
b. Provide one-on-one help to students at various achievement levels	A	B	C	D	TBD



## **Appendix F-3aj: 2016 Cognitive Interviews Grade 8 Mathematics**

[Grade 8 Mathematics: School #1]

TBD

To what extent is your school's mathematics program structured according to the following resources? Select **one** circle in each row.

	<b>Not at all</b>	<b>Small Extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. State curriculum standards or frameworks	A	B	C	D	TBD
b. District curriculum standards or curriculum guides	A	B	C	D	TBD
c. Results from district assessments	A	B	C	D	TBD
d. Results from state assessments	A	B	C	D	TBD
e. Results from school-level assessments	A	B	C	D	TBD
f. Recommendations from school mathematics department or teachers	A	B	C	D	TBD
g. Discretion of individual teachers	A	B	C	D	TBD
h. Commercially designed programs	A	B	C	D	TBD
i. Internet resources	A	B	C	D	TBD