

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

*National Assessment of Educational Progress (NAEP)*

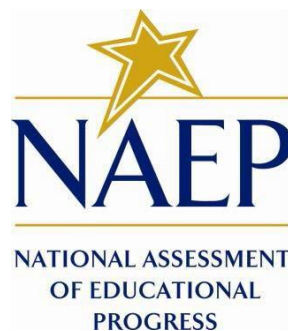
*2019 and 2020*

*Long-Term Trend (LTT) 2020 Update Emergency Clearance*

*Appendix F*

*Item Library for NAEP 2019 & 2020 Survey Questionnaires*

*OMB# 1850-0928 v.14*



September 2018

revised March 2019

This Appendix F provides the library of possible items to be used in the NAEP 2019 and 2020 questionnaires. Non-substantive wording changes to the questionnaire items (based on ongoing and future cognitive and pilot testing results), if any will be made, along with the final selection of which items will be used in the final versions of the NAEP 2019 and 2020 questionnaires, will be provided as outlined below. The number of items selected for each type of respondent will be appropriate to the allocated time (as indicated in the Supporting Statement Part A section A.12).

The final versions of all NAEP 2019 questionnaires in English language and Spanish-translated questionnaires are provided in Appendices K1, K2, K3, and K-S.

The 2020 data collection instruments are provided in Appendix K-4. The final versions of LTT 2020 data collection instruments will be submitted in June 2019, with an associated 30-day public comment period. Should any additional revisions be necessary, they will be submitted by October 2019.

The confidentiality citation has been updated in September 2018. The student and teacher/school administrator log-in screens will reflect the new confidentiality citation, as reflected in Part A.

The Appendix is structured by respondent type: student, teacher, and then school. For each respondent, a table is included to help define what components are included in the library, when each component will be administered (2019 and/or 2020), which parts of this Appendix comprise each component, and the source of the content of each Appendix part (e.g., whether it was approved as part of Appendix F in OMB# 1850-0928 v.6, Appendix I in OMB# 1850-0928 v.7, or another source).

Note, given that 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 NAEP 2019-2020 will be appropriate to the mode of the testing, as indicated in Part A.12.

<b>Abbreviation Key</b>
BET: Background, Education, and Training
CAFS: Computer Access and Familiarity
COI: Classroom Organization and Instruction
NIES: National Indian Education Study
SCP: School Characteristics and Policies
TEL: Technology and Engineering Literacy

# Login Screens for Survey Questionnaires

## Student Login Screen:

# Welcome to NAEP

Grade 04 Booklet M151 School (FULCRUM), 9813151

Session: QC0401 Router: Disconnected Admin: Disconnected



**Student Login**

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0928. The time required to complete this information collection is estimated to average 90 minutes, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any comments or concerns regarding the status of your individual submission, please write to: *National Assessment of Educational Progress (NAEP), National Center for Education Statistics (NCES), Potomac Center Plaza, 550 12th St., SW, 4th floor, Washington, DC 20202.*

**OMB No. 1850-0928 APPROVAL EXPIRES 09/30/2021**

National Center for Education Statistics (NCES) is authorized to conduct NAEP by the National Assessment of Educational Progress Authorization Act (20 U.S.C. §9622). All of the information provided by participants may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 5 U.S.C. §151). By law, every NCES employee as well as every NCES agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of \$250,000, or both if he or she willfully discloses ANY identifiable information about you. Electronic submission of your information will be monitored for viruses, malware, and other threats by Federal employees and contractors in accordance with the Cybersecurity Enhancement Act of 2015. The collected information will be combined across respondents to produce statistical reports.

eNAEP version 4.1.1.34969, 9/6/18 9:27 AM (EST). Database version 673, 8/31/18 7:13 AM (EST)  
eNAEP Chrome Extension Version 3.1.5

## Teacher/School Administrator Login Screens:

Access to this site is limited to authorized users  
via a personal link.



### If you require access to this site:

Please contact the NAEP *Help Desk* at 1-800-283-NAEP (6237)  
or send an e-mail to [NAEPHelp@westat.com](mailto:NAEPHelp@westat.com)

### If you forgot your personal link:

Please enter your e-mail address and we will send it to you.



Email Address:

SEND LINK

#### WARNING: UNAUTHORIZED ACCESS PROHIBITED

This is a U.S. Federal Government owned computer system, for use by authorized users conducting NAEP business only. Unauthorized access violates U.S. Code sections 1029 & 1030 and other applicable statutes. Violations are punishable by civil and criminal penalties. Use of this system implies consent to have all activities on this system monitored and recorded, which can be provided as evidence to law enforcement officials.

Copyright 2018

NAEP Online Questionnaires 2019

Welcome, Akmal Amduka



Q976 4TH Grade Teacher | Directions

VH89A55

#### TEACHER QUESTIONNAIRE

##### GRADE 4

During the 2018–2019 school year, a sample of students across the country, including some of your fourth-grade students, will participate in the National Assessment of Educational Progress (NAEP). To investigate the relationship between students' achievement and various school, teacher, and home factors, NAEP is also collecting information from schools and teachers.

This questionnaire collects information about teachers' backgrounds and instructional practices as they relate to students selected for the assessment. Since you teach reading or mathematics to one or more students selected for the assessment, we are asking you to answer questions about these students' reading and mathematics classes.

Obviously, only you can provide this important information. So, although we realize that you are very busy, we urge you to complete this questionnaire as accurately as possible. The information you provide is being collected for research purposes only.

While your participation is voluntary, your responses to these questions are critical to ensuring that this survey is accurate and complete.

#### THANK YOU FOR YOUR PARTICIPATION AND COOPERATION.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0928. The time required to complete this information collection is estimated to average 60 minutes, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any comments or concerns regarding the status of your individual submission, please write to: National Assessment of Educational Progress (NAEP), National Center for Education Statistics (NCES), Potomac Center Plaza, 550 12th St., SW, 4th floor, Washington, DC 20202.

OMB No. 1850-0928 APPROVAL EXPIRES 9/30/2021

National Center for Education Statistics (NCES) is authorized to conduct NAEP by the National Assessment of Educational Progress Authorization Act (20 U.S.C. §9622). The information you provide will be used for statistical purposes only. All of the information provided by participants may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151). By law, every NCES employee as well as every NCES agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of \$250,000, or both if he or she willfully discloses ANY identifiable information about participants. Electronic submission of participant's information will be monitored for viruses, malware, and other threats by Federal employees and contractors in accordance with the Cybersecurity Enhancement Act of 2015. The collected information will be combined across respondents to produce statistical reports.

< Previous

Save & Continue >



# Contents

## Library of Survey Questionnaires

Appendix F-1: Student Questionnaires.....	9
Appendix F-1a: 2018 Pilot Grade 4 Core.....	13
Appendix F-1b: 2018 Cognitive Interviews Grade 4 Core.....	23
Appendix F-1c: 2018 Operational Grade 8 Core.....	26
Appendix F-1d: 2018 Cognitive Interviews Grade 8 Core.....	37
Appendix F-1e: 2018 Pilot Grade 12 Core.....	40
Appendix F-1f: 2018 Cognitive Interviews Grade 12 Core.....	56
Appendix F-1g: 2017 Operational Grade 4 Reading.....	59
Appendix F-1h: 2018 Cognitive Interviews Grade 4 Reading.....	67
Appendix F-1i: 2017 Operational Grade 8 Reading.....	71
Appendix F-1j: 2018 Cognitive Interviews Grade 8 Reading.....	80
Appendix F-1k: 2018 Pilot Grade 12 Reading.....	84
Appendix F-1l: 2017 Operational Grade 4 Mathematics.....	96
Appendix F-1m: 2018 Cognitive Interviews Grade 4 Mathematics.....	105
Appendix F-1n: 2017 Operational Grade 8 Mathematics.....	108
Appendix F-1o: 2018 Cognitive Interviews Grade 8 Mathematics.....	118
Appendix F-1p: 2018 Pilot Grade 12 Mathematics.....	123
Appendix F-1q: 2018 Pilot Grade 4 Science.....	142
Appendix F-1r: 2018 Pilot Grade 8 Science.....	152
Appendix F-1s: 2018 Pilot Grade 12 Science.....	162
Appendix F-1t: 2017 Operational Grade 4 Writing.....	175
Appendix F-1u: 2018 Cognitive Interviews Grade 4 Writing.....	181
Appendix F-1v: 2017 Operational Grade 8 Writing.....	186
Appendix F-1w: 2018 Cognitive Interviews Grade 8 Writing.....	197
Appendix F-1x: 2011 Operational Grade 12 Writing.....	200
Appendix F-1y: 2016 Pilot Grade 12 Writing.....	208
Appendix F-1z: 2018 Cognitive Interviews Grade 12 Writing.....	227
Appendix F-1aa: 2018 Operational Grade 8 Civics.....	235
Appendix F-1ab: 2010 Operational Grade 12 Civics.....	249
Appendix F-1ac: 2018 Operational Grade 8 Geography.....	256
Appendix F-1ad: 2010 Operational Grade 12 Geography.....	266
Appendix F-1ae: 2018 Operational Grade 8 U.S. History.....	272
Appendix F-1af: 2010 Operational Grade 12 U.S. History.....	285

Appendix F-1ag: 2012 Operational Grade 12 Economics .....	292
Appendix F-1ah: 2018 Operational Grade 8 TEL .....	299
Appendix F-1ai: 2015 Operational Grade 4 NIES .....	317
Appendix F-1aj: 2015 Operational Grade 8 NIES .....	325
Appendix F-1ak: 2017 Operational Grade 4 CAFS .....	338
Appendix F-1al: 2017 Operational Grade 8 CAFS .....	346
Appendix F-1am: 2015 Operational Grade 12 CAFS .....	361
Appendix F-1an: 2018 Cognitive Interviews Grade 4 Household Composition .....	377
Appendix F-1ao: 2015 Student Grade 4 Core .....	382
Appendix F-1ap: 2015 Student Grade 8 Core .....	386
Appendix F-1aq: 2015 Student Grade 12 Core .....	390
Appendix F-2: Teacher Questionnaires .....	395
Appendix F-2a: 2017 Operational Grade 4 Core (BET) .....	398
Appendix F-2b: 2018 Pilot Grade 4 Core (BET) .....	410
Appendix F-2c: 2018 Cognitive Interviews Grade 4 Core .....	421
Appendix F-2d: 2018 Cognitive Interviews Grade 8 Core .....	424
Appendix F-2e: 2017 Operational Grade 8 Core (BET-Reading/ Writing) .....	427
Appendix F-2f: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects) .....	438
Appendix F-2g: 2017 Operational Grade 8 Core (BET-Mathematics) .....	447
Appendix F-2h: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects) .....	458
Appendix F-2i: 2018 Pilot Grade 8 Core (BET-Science) .....	467
Appendix F-2j: 2018 Operational Grade 8 Core (BET-Social Studies) .....	479
Appendix F-2k: 2017 Operational Grade 4 Reading (COI) .....	491
Appendix F-2l: 2018 Cognitive Interviews Grade 4 Reading .....	499
Appendix F-2m: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects) .....	507
Appendix F-2n: 2017 Operational Grade 8 Reading (COI) .....	516
Appendix F-2o: 2018 Cognitive Interviews Grade 8 Reading .....	525
Appendix F-2p: 2017 Operational Grade 4 Mathematics (COI) .....	533
Appendix F-2q: 2018 Cognitive Interviews Grade 4 Mathematics .....	543
Appendix F-2r: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects) .....	

.....	546
Appendix F-2s: 2017 Operational Grade 8 Mathematics (COI).....	555
Appendix F-2t: 2018 Cognitive Interviews Grade 8 Mathematics .....	565
.....	568
Appendix F-2u: 2018 Pilot Grade 4 Science (COI).....	579
Appendix F-2v: 2018 Pilot Grade 8 Science (COI).....	590
Appendix F-2w: 2017 Operational Grade 4 Writing (COI).....	600
Appendix F-2x: 2017 Operational Grade 8 Writing (COI).....	610
Appendix F-2y: 2018 Operational Grade 8 Social Studies (COI) .....	624
Appendix F-2z: 2012 Operational Grade 12 Economics-Department Head .....	629
.....	642
Appendix F-2aa: 2015 Operational Grade 4 NIES.....	642
Appendix F-2ab: 2015 Operational Grade 8 NIES.....	657
Appendix F-2ac: 2019 Operational Grade 4 & 8 CAFS .....	662
Appendix F-2ad: 2017 Operational Grade 4 & 8 Giving Back Items .....	664
.....	668
Appendix F-3: School Questionnaires.....	682
Appendix F-3a: 2018 Pilot Grade 4 Core (SCP).....	684
Appendix F-3b: 2018 Cognitive Interviews Grade 4 Core .....	698
Appendix F-3c: 2018 Operational Grade 8 Core (SCP).....	700
Appendix F-3d: 2018 Cognitive Interviews Grade 8 Core .....	715
Appendix F-3e: 2018 Pilot Grade 12 Core (SCP).....	717
Appendix F-3f: 2018 Cognitive Interviews Grade 12 Core.....	721
Appendix F-3g: 2018 Operational Grade 4 Charter School.....	723
Appendix F-3h: 2018 Cognitive Interviews Grade 4 Charter School .....	727
.....	729
Appendix F-3i: 2018 Operational Grade 8 Charter School .....	733
Appendix F-3j: 2018 Cognitive Interviews Grade 8 Charter School .....	735
.....	742
Appendix F-3k: 2018 Operational Grade 12 Charter School.....	747
Appendix F-3l: 2018 Cognitive Interviews Grade 12 Charter School.....	754
.....	759
Appendix F-3m: 2017 Operational Grade 4 Reading .....	
Appendix F-3n: 2018 Cognitive Interviews Grade 4 Reading.....	
Appendix F-3o: 2017 Operational Grade 8 Reading .....	
Appendix F-3p: 2018 Cognitive Interviews Grade 8 Reading.....	
Appendix F-3q: 2017 Pilot Grade 8 Core, Reading, Mathematics (All Subjects)...	
.....	

Appendix F-3r: 2018 Pilot Grade 12 Reading .....	762
Appendix F-3s: 2017 Operational Grade 4 Mathematics.....	770
Appendix F-3t: 2018 Cognitive Interviews Grade 4 Mathematics .....	776
.....	
Appendix F-3u: 2017 Operational Grade 8 Mathematics.....	779
Appendix F-3v: 2018 Cognitive Interviews Grade 8 Mathematics.....	785
.....	
Appendix F-3w: 2017 Pilot Grade 8 Core, Reading, Mathematics (All Subjects).....	788
Appendix F-3x: 2018 Pilot Grade 12 Mathematics.....	791
Appendix F-3y: 2018 Pilot Grade 4 Science.....	802
Appendix F-3z: 2018 Pilot Grade 8 Science.....	809
Appendix F-3aa: 2018 Pilot Grade 12 Science .....	816
Appendix F-3ab: 2017 Operational Grade 4 Writing .....	824
Appendix F-3ac: 2018 Cognitive Interviews Grade 4 Writing.....	831
Appendix F-3ad: 2017 Operational Grade 8 Writing .....	833
Appendix F-3ae: 2018 Cognitive Interviews Grade 8 Writing.....	839
Appendix F-3af: 2011 Operational Grade 12 Writing.....	841
Appendix F-3ag: 2016 Pilot Grade 12 Writing .....	844
Appendix F-3ah: 2018 Cognitive Interviews Grade 12 Writing.....	850
Appendix F-3ai: 2018 Operational Grade 8 Social Studies.....	852
Appendix F-3aj: 2010 Operational Grade 12 Social Studies.....	858
Appendix F-3ak: 2012 Operational Grade 12 Economics .....	866
Appendix F-3al: 2018 Operational Grade 8 TEL.....	873
Appendix F-3am: 2015 Operational Grade 4 NIES .....	889
Appendix F-3an: 2015 Operational Grade 8 NIES.....	899
Appendix F-3ao: 2017 Operational Grade 4, 8, & 12 Giving Back Items .....	910
.....	



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

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

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 4 Core	X	X	F-1a	2018 Pilot Grade 4 Core	Appendix I-1c
			F-1b	2018 Cognitive Interviews Grade 4 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
		X	F-1ao	2015 Operational Grade 4 Core	2015 Wave 2 Submittal, Volume II, Survey Questions, Part 1a, Grade 4 Core
Grade 8 Core	X	X	F-1c	2018 Operational Grade 8 Core	Appendix I-1d
			F-1d	2018 Cognitive Interviews Grade 8 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
		X	F-1ap	2015 Operational Grade 8 Core	2015 Wave 2 Submittal, Volume II, Survey Questions, Part 1b, Grade 8 Core
Grade 12 Core	X	X	F-1e	2018 Pilot Grade 12 Core	Appendix I-1e
			F-1f	2018 Cognitive Interviews Grade 12 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
		X	F-1aq	2015 Operational Grade 12 Core	2015 Wave 2 Submittal, Volume II, Survey Questions, Part 1c, Grade 12 Core
Grade 4 Reading	X		F-1g	2017 Operational Grade 4 Reading	Appendix F-1d
			F-1h	2018 Cognitive Interviews Grade 4 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Reading	X		F-1i	2017 Operational Grade 8 Reading	Appendix F-1e
			F-1j	2018 Cognitive Interviews Grade 8 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Reading	X		F-1k	2018 Pilot Grade 12 Reading	Appendix F-1f
Grade 4 Mathematics	X	X	F-1l	2017 Operational Grade 4 Mathematics	Appendix F-1g
			F-1m	2018 Cognitive Interviews Grade 4 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Mathematics	X	X	F-1n	2017 Operational Grade 8 Mathematics	Appendix F-1h
			F-1o	2018 Cognitive Interviews Grade 8 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Mathematics	X		F-1p	2018 Pilot Grade 12 Mathematics	Appendix F-1i

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 4 Science	X		F-1q	2018 Pilot Grade 4 Science	Appendix I-1i
Grade 8 Science	X		F-1r	2018 Pilot Grade 8 Science	Appendix I-1j
Grade 12 Science	X		F-1s	2018 Pilot Grade 12 Science	Appendix I-1k
Grade 4 Writing		X	F-1t	2017 Operational Grade 4 Writing	Appendix F-1p
			F-1u	2018 Cognitive Interviews Grade 4 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Writing		X	F-1v	2017 Operational Grade 8 Writing	Appendix F-1q
			F-1w	2018 Cognitive Interviews Grade 8 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Writing		X	F-1x	2011 Operational Grade 12 Writing	Appendix F-1r
			F-1y	2016 Pilot Grade 12 Writing	Appendix F-1s
			F-1z	2018 Cognitive Interviews Grade 12 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Civics		X	F-1aa	2018 Operational Grade 8 Civics	Appendix I-1m
Grade 12 Civics		X	F-1ab	2010 Operational Grade 12 Civics	The National Assessment of Educational Progress, Wave 1 Submittal for 2010 Volume II, Part 3c, Background Questions for 2010 Assessment, Student Grade 12 Civics questions
Grade 8 Geography		X	F-1ac	2018 Operational Grade 8 Geography	Appendix I-1o
Grade 12 Geography		X	F-1ad	2010 Operational Grade 12 Geography	The National Assessment of Educational Progress, Wave 1 Submittal for 2010 Volume II, Part 3d, Background Questions for 2010 Assessment, Student Grade 12 Geography questions
Grade 8 U.S. History		X	F-1ae	2018 Operational Grade 8 U.S. History	Appendix I-1q
Grade 12 U.S. History		X	F-1af	2010 Operational Grade 12 U.S. History	The National Assessment of Educational Progress, Wave 1 Submittal for 2010 Volume II, Part 3e, Background Questions for 2010 Assessment, Student Grade 12 U.S. History questions
Grade 12 Economics		X	F-1ag	2012 Operational Grade 12 Economics	The National Assessment of Educational Progress, Wave 2 Submittal for 2012, Volume II, Part 2, Student Economics Background Questions for 2012 Assessment
Grade 8 & 12 TEL		X	F-1ah	2018 Operational Grade 8 TEL	Appendix I-1r

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 4 NIES	X		F-1ai	2015 Operational Grade 4 NIES	Appendix F-1y
Grade 8 NIES	X		F-1aj	2015 Operational Grade 8 NIES	Appendix F-1z
Grade 4 CAFS	X		F-1ak	2017 Operational Grade 4 CAFS	NAEP 2017 Survey Questionnaires (OMB# 1850-0928 v.1) Appendix I- 1; p.139
Grade 8 CAFS	X		F-1al	2017 Operational Grade 8 CAFS	NAEP 2017 Survey Questionnaires (OMB# 1850-0928 v.1) Appendix I- 1; p.147
Grade 12 CAFS	X		F-1am	2015 Operational Grade 12 CAFS	The National Assessment of Educational Progress, Wave 3 Submittal for 2015 Volume II, Special Studies Survey Questions, OMB #1850-0790, p. 33-47
Grade 4 and 8 SES-SQ	X		F-1an	2018 Cognitive Interviews Grade 4 & 8 Household Composition	National Assessment of Educational Progress (NAEP) Socioeconomic Status (SES) Indicator Items Development Studies; OMB# 1850- 0803 v.201

## **Appendix F-1a: 2018 Pilot Grade 4 Core**

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

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

2. How easy or difficult was this test?

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

3. 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

4. How challenging was taking this test?

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

5. How much time pressure did you feel when taking this test?

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

6. 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.

7. Which of the following best describes you? Select **one or more** answer choices.

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

8. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)



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

	Yes	No	
a. Access to the Internet	<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. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

10. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

11. 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

12. How often do you talk about things you have studied in school with someone in your family?

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

13. 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

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

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ In all or almost all classes

15. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ In all or almost all classes

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

	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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271338
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271339
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271345

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

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

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

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

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	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH271750
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH271752
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH271753
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH271756

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

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

21. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on 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. I felt awkward and out of place at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

## **Appendix F-1b: 2018 Cognitive Interviews Grade 4 Core**

1. Are you taking an art course now, or have you taken an art course this school year?

- A Yes
- B No

2. Are you taking a music course now, or have you taken a music course this school year?

- A Yes
- B No

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

	<b>Yes</b>	<b>No</b>	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	<input type="radio"/> A	<input type="radio"/> B	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	<input type="radio"/> A	<input type="radio"/> B	VH810412



4. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on 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. I did not feel safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810432
b. I worried about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810433
c. I felt that I was treated fairly by my teachers.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810434
d. I felt safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810435
e. I did not worry about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810436

## **Appendix F-1c: 2018 Operational Grade 8 Core**

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

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

2. How easy or difficult was this test?

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

3. 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

4. How challenging was taking this test?

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

5. How much time pressure did you feel when taking this test?

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

6. 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.

7. Which of the following best describes you? Select **one or more** answer choices.

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

8. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)

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

	Yes	No	
a. Access to the Internet	<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. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

10. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

11. 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

12. How often do you talk about things you have studied in school with someone in your family?

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

13. 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.

14. 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.

15. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

16. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.



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

	Yes	No	
a. Mother	<input type="radio"/> A	<input type="radio"/> B	VH271145
b. Stepmother	<input type="radio"/> A	<input type="radio"/> B	VH271146
c. Foster mother or other female legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271147
d. Father	<input type="radio"/> A	<input type="radio"/> B	VH271148
e. Stepfather	<input type="radio"/> A	<input type="radio"/> B	VH271149
f. Foster father or other male legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271150

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

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

19. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

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

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

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

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

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

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

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

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

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

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

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

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

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

□ □ □ □ □

## **Appendix F-1d: 2018 Cognitive Interviews Grade 8 Core**

1. Are you taking an art course now, or have you taken an art course this school year?

- A Yes
- B No

2. Are you taking a music course now, or have you taken a music course this school year?

- A Yes
- B No

3. Are you taking a language course other than English now, or have you taken a course in a language other than English this school year?

- A Yes (Please specify which language): \_\_\_\_\_
- B No

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

	Yes	No	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	Ⓐ	Ⓑ	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	Ⓐ	Ⓑ	VH810412

5. 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 did not feel safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810432
b. I worried about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810433
c. I felt that I was treated fairly by my teachers.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810434
d. I felt safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810435
e. I did not worry about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810436

## **Appendix F-1e: 2018 Pilot Grade 12 Core**



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

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

2. How easy or difficult was this test?

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

3. 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

4. How challenging was taking this test?

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

5. How much time pressure did you feel when taking this test?

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

5. 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.

6. 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

7. 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)

8. 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. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

9. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

10. 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

11. 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

12. 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.

13. 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.

14. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

15. 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                 |
| 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>_____ |

16. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.



17. 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>_____ |

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

	Yes	No	
a. Mother	<input type="radio"/> A	<input type="radio"/> B	VH271145
b. Stepmother	<input type="radio"/> A	<input type="radio"/> B	VH271146
c. Foster mother or other female legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271147
d. Father	<input type="radio"/> A	<input type="radio"/> B	VH271148
e. Stepfather	<input type="radio"/> A	<input type="radio"/> B	VH271149
f. Foster father or other male legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271150

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

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

20. 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

21. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271338
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271339
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271345

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

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

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

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

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

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

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

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

26. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on 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. I felt awkward and out of place at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

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

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

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

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

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

## **Appendix F-1f: 2018 Cognitive Interviews Grade 12 Core**



1. Are you taking an art course now, or have you taken an art course this school year?

A Yes

B No

2. Are you taking a music course now, or have you taken a music course this school year?

A Yes

B No

3. Are you taking a language course other than English now, or have you taken a course in a language other than English this school year?

A Yes (Please specify which language): \_\_\_\_\_

B No

4. How well do you think your education has prepared you for the future you want to have after high school (for example, going to college or working a job)?

A Has not prepared me at all

B Has prepared me a little

C Has prepared me somewhat

D Has prepared me quite a bit

E Has prepared me a lot

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

	Yes	No	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	Ⓐ	Ⓑ	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	Ⓐ	Ⓑ	VH810412

6. 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 did not feel safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810432
b. I worried about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810433
c. I felt that I was treated fairly by my teachers.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810434
d. I felt safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810435
e. I did not worry about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810436

## **Appendix F-1g: 2017 Operational Grade 4 Reading**

1. 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

2. 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

3. 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

4. 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

5. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

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

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

8. Do you think you would be able to do each of the following when reading? 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. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861
f. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863

9. 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 become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938



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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

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

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

12. 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

13. 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

## **Appendix F-1h: 2018 Cognitive Interviews Grade 4 Reading**

1. In this school year, how often do you borrow or download reading materials (such as books or magazines) from your school (for example, a **classroom library**, **school library**, or **media center**)?

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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy finding things to read online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811338
b. I like talking about topics I read online with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811340

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Read stories or novels	(A)	(B)	(C)	(D)	(E)	VH811355
b. Read newspapers or magazines	(A)	(B)	(C)	(D)	(E)	VH811356
c. Read comic books or graphic novels	(A)	(B)	(C)	(D)	(E)	VH811357
d. Read online about topics I am interested in	(A)	(B)	(C)	(D)	(E)	VH811359
e. Talk about things I read with other people	(A)	(B)	(C)	(D)	(E)	VH811365
f. Borrow or download books from my local library	(A)	(B)	(C)	(D)	(E)	VH811366

4. Do you think you can do each of the following activities 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. Critique an author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH811213
b. Use evidence from a text to support your answer	(A)	(B)	(C)	(D)	(E)	VH811215

5. How often do you receive the following types of help with English/language arts schoolwork outside or after 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. Help from a teacher	(A)	(B)	(C)	(D)	(E)	VH811190
b. Help from a tutor	(A)	(B)	(C)	(D)	(E)	VH811192
c. Help from a family member or friend	(A)	(B)	(C)	(D)	(E)	VH811196
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	(E)	VH811200

6. How useful do you find each of the following types of help to understand your English/language arts schoolwork? Select **one** answer choice on each row.

	Not useful at all	Somewhat useful	Very useful	I don't receive that type of help	
a. Help from a teacher	(A)	(B)	(C)	(D)	VH811287
b. Help from a tutor	(A)	(B)	(C)	(D)	VH811291
c. Help from a family member or friend	(A)	(B)	(C)	(D)	VH811302
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	VH811304

## **Appendix F-1i: 2017 Operational Grade 8 Reading**

1. 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

2. 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



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

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. 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

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?
- (A) Never
  - (B) Once
  - (C) Two or three times
  - (D) Four or five times
  - (E) More than five times

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

6. In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library or media center? Ⓐ Never
- Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

7. Do you think you would be able to do each of the following when reading? 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. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861

8. Do you think you would be able to do each of the following when reading? 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. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863
b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260857
c. Critique an author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260866
d. Use evidence from a text to support my answer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616841
e. Identify the author's perspective in a persuasive text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260868

9. 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 become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

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

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

12. 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

13. 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. Biographies	(A)	(B)	(C)	(D)	(E)	VH617043
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
h. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

14. 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

## **Appendix F-1j: 2018 Cognitive Interviews Grade 8 Reading**



1. In this school year, how often do you borrow or download reading materials (such as books or magazines) from your school (for example, a **classroom library**, **school library**, or **media center**)?

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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy finding things to read online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811338
b. I like talking about topics I read online with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811340

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Read stories or novels	(A)	(B)	(C)	(D)	(E)	VH811355
b. Read newspapers or magazines	(A)	(B)	(C)	(D)	(E)	VH811356
c. Read comic books or graphic novels	(A)	(B)	(C)	(D)	(E)	VH811357
d. Read online about topics I am interested in	(A)	(B)	(C)	(D)	(E)	VH811359
e. Talk about things I read with other people	(A)	(B)	(C)	(D)	(E)	VH811365
f. Borrow or download books from my local library	(A)	(B)	(C)	(D)	(E)	VH811366

4. How often do you receive the following types of help with English/language arts schoolwork outside or after 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. Help from a teacher	(A)	(B)	(C)	(D)	(E)	VH811190
b. Help from a tutor	(A)	(B)	(C)	(D)	(E)	VH811192
c. Help from a family member or friend	(A)	(B)	(C)	(D)	(E)	VH811196
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	(E)	VH811200

5. How useful do you find each of the following types of help to understand your English/language arts schoolwork? Select **one** answer choice on each row.

	Not useful at all	Somewhat useful	Very useful	I don't receive that type of help	
a. Help from a teacher	(A)	(B)	(C)	(D)	VH811287
b. Help from a tutor	(A)	(B)	(C)	(D)	VH811291
c. Help from a family member or friend	(A)	(B)	(C)	(D)	VH811302
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	VH811304

6. Do you think you can do each of the following activities 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. Analyze the author's use of features in a text (for example, transition words, voice)	(A)	(B)	(C)	(D)	(E)	VH811227
b. Analyze the author's use of figurative language (for example, symbolisms, metaphors, or foreshadowing)	(A)	(B)	(C)	(D)	(E)	VH811229
c. Recognize tools the author is using (for example, parallel structure, examples, or repetition)	(A)	(B)	(C)	(D)	(E)	VH811231
d. Evaluate the strength and quality of evidence used by the author to support his or her position	(A)	(B)	(C)	(D)	(E)	VH811233

## **Appendix F-1k: 2018 Pilot Grade 12 Reading**

**Grade 12 specific items**

VH240417

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

	Never	Once	2 or 3 times	4 or 5 times	6 or more times	
a. Made a presentation to the class about something that you have read	(A)	(B)	(C)	(D)	(E)	VH240420
b. Done a project about something that you have read (for example, written a play, created a website)	(A)	(B)	(C)	(D)	(E)	VH240421

VH332887

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Have a class discussion about something that the whole class has read	(A)	(B)	(C)	(D)	(E)	VH332888
b. Work in pairs or small groups to talk about something that we have read	(A)	(B)	(C)	(D)	(E)	VH652035
c. Discuss different interpretations of what we have read	(A)	(B)	(C)	(D)	(E)	VH652037

3. Are you currently enrolled in or have you taken an Advanced Placement (AP<sup>®</sup>) course in English/language arts? Select **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.

4. Are you currently enrolled in or have you taken the International Baccalaureate<sup>®</sup> (IB) Language A1 course?
- Ⓐ Yes
  - Ⓑ No

5. Are you currently enrolled in or have you taken any online English/language arts courses for high school or college credit?
- Ⓐ Yes
  - Ⓑ No

Items previously cleared at Grade 8 and proposed for Grade 12

VH260254

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

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

VH333074

2. 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

3. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

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

5. 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?
- Ⓐ 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



6. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861

7. Do you think you would be able to do each of the following when reading? 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. Recognize the difference between fact and opinion in a text	(A)	(B)	(C)	(D)	(E)	VH260863
b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	(A)	(B)	(C)	(D)	(E)	VH260857
c. Critique an author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH260866
d. Use evidence from a text to support my answer	(A)	(B)	(C)	(D)	(E)	VH616841
e. Identify the author's perspective in a persuasive text	(A)	(B)	(C)	(D)	(E)	VH260868

8. 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 become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

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

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

11. 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

12. 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. Biographies	(A)	(B)	(C)	(D)	(E)	VH617043
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
h. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

13. 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

21. For school this year, how often do you write stories?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

22. For school this year, how often do you write reports?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

23. For school this year, how often do you write letters?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

24. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312245
b. To convince or persuade someone	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312246
c. To describe a real experience (for example, write about factual events or personal experiences)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312247
d. To describe an imagined experience (for example, tell a fictional story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312248

25. For school this year, how often do you look for information on the Internet to include in your writing?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

## **Appendix F-11: 2017 Operational Grade 4 Mathematics**



21. 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

22. 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

23. How often do you use a computer or other digital device (excluding handheld 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

24. How often do you use a computer or other digital device (excluding handheld calculators) 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

25. 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

26. 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

27. 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

28. 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 when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH588077
b. My teacher required us to use computers or other digital devices to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267419

29. 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

30. 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. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
c. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

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

- Ⓐ Yes
- Ⓑ No

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

33. 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.

	<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. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
d. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

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	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 learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

35. 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 learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
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



## **Appendix F-1m: 2018 Cognitive Interviews Grade 4 Mathematics**

1. 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 go on websites or use apps when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810476
b. My teacher required us to use computers or other digital devices to go on websites or use apps to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810477

2. Thinking about math, do you think that you can do each of the following problems? 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. Find all the factors of a whole number (for example, find the factors of 16, or explain why 5 is a prime number)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810883
b. Show how many times larger or smaller one thing is than the other (for example, how many times larger is a basketball than a baseball?)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810885

3. Thinking about math, do you think that you can do each of the following problems?  
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. Share 42 stickers equally among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810864
b. Calculate what time the movie ends if it starts at 11:00 AM and lasts for 2 hours and 45 minutes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810865

4. For school this year, how often do you work in pairs or small groups to talk about something that you are doing 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

## **Appendix F-1n: 2017 Operational Grade 8 Mathematics**

25. 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

26. 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.

27. 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

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 often do you use a computer or other digital device (excluding handheld 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

30. 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

31. 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

32. 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 computers or other digital devices when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH588077
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

33. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to complete your math assignments?

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

34. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments?

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



35. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to take an online practice test?

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

36. 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

37. 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. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

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

- Ⓐ Yes
- Ⓑ No

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

40. 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.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267679
d. Describe the properties shared by every isosceles right triangle	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267681
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

41. 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 learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

42. 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 learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
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

43. 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

## **Appendix F-1o: 2018 Cognitive Interviews Grade 8 Mathematics**

1. For school this year, how often do you work in pairs or small groups to talk about something that you are doing 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

2. 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 go on websites or use apps when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810476
b. My teacher required us to use computers or other digital devices to go on websites or use apps to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810477

3. 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 (for example, four-function)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810619
b. Scientific calculator	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810621

4. Thinking about math, do you think that you can do each of the following problems?  
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. Approximate the value of an irrational number (for example, place square root of 2 on a number line)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810891
b. Find the total sum of the interior angles of a pentagon with 5 equal sides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810892
c. Write an equation with a variable to solve a problem (for example, if pizza costs \$2 per slice, then x number of slices can be bought for \$16)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810893

5. Thinking about math, do you think that you can do each of the following problems?  
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. Determine the likely number of red faces a cube has if the red face lands up 130 out of 400 times the cube is rolled. The 6 faces of the cube are painted red, yellow, or blue.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810874
b. Calculate how many cats a pet store has if the ratio of cats to dogs is 5 to 4, and the total number of cats and dogs the store has is 27.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810876
c. Center a 40 inch wide painting on a five foot wide wall	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810878



6. How much do you enjoy each of the following types of math activities? 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. Adding, subtracting, multiplying, and dividing fractions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810635
b. Solving problems about ratios and rates (for example, if 4 inches of rain fell in 16 hours, how many inches of rain is this per hour)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810636
c. Transforming geometric figures from one set of points to another (for example, rotating a rectangle 90 degrees)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810638

7. In this school year, how often have you looked 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

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

- Ⓐ Basic or general math
- Ⓑ Introduction to algebra or pre-algebra
- Ⓒ Algebra I
- Ⓓ Geometry
- Ⓔ Algebra II
- Ⓕ Other math class. Please specify:\_\_\_\_\_
- Ⓖ I don't know.

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

- Ⓐ Eighth-grade math
- Ⓑ Introduction to algebra or pre-algebra
- Ⓒ Algebra I
- Ⓓ Geometry
- Ⓔ Algebra II
- Ⓕ Other math class. Please specify:\_\_\_\_\_

10. Write a computer program

## **Appendix F-1p: 2018 Pilot Grade 12 Mathematics**

## Grade 12 specific items

VH240819

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

	I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
a. <b>Basic or general</b> mathematics 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	VH240820
b. <b>Tech-prep</b> mathematics, <b>business</b> mathematics, <b>consumer</b> mathematics, or other <b>applied mathematics</b> 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	VH240844
c. <b>Introduction to algebra</b> or <b>pre-algebra</b> 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	VH240822
d. <b>Algebra I</b> 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	VH240823
e. <b>Geometry</b> 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	VH240824
f. <b>Algebra II</b> course, with or without <b>trigonometry</b>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240825
g. <b>Trigonometry</b> (as a separate 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	VH240826
h. <b>Pre-calculus</b> course (also called introductory analysis)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240833
i. <b>Integrated</b> mathematics 1 (first year of a multi-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	VH240841
j. <b>Integrated</b> mathematics 2 (second year of a multi-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	VH240842
k. <b>Integrated</b> mathematics 3 (third year of a multi-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	VH240843

	I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
l. <b>Integrated</b> mathematics 4 (fourth year of a multi-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	VH240821
m. <b>Probability or statistics</b> 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	VH240836
n. <b>Calculus</b> 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	VH240829
o. <b>Computer programming</b> course (such as C++, Visual Basic, etc.)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240835
p. <b>Other</b> mathematics course (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	VH240834

VH250444

2. Are you currently enrolled in or have you taken any of the following Advanced Placement (AP<sup>®</sup>) courses? Select **all** that apply.

- A Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.
- B Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus BC.
- C Yes, I am enrolled in or have taken Advanced Placement (AP) Statistics.
- D No, I have not taken any of the courses listed above.

VH240048

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

- A Yes
- B No

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

- A Yes
- B No

5. Was there a mathematics course that you would have liked to have taken this school year but did not take?

- A Yes, but my school does not offer the course.
- B Yes, but the course was full.
- C Yes, but I did not have the necessary prerequisites.
- D Yes, but my schedule was full.
- E No, there was no other course that I wanted to take.

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

	<b>Strongly disagree</b>	<b>Disagree</b>	<b>Agree</b>	<b>Strongly agree</b>	
a. Math is one of my favorite subjects.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240768
b. I take mathematics because it will help me in the future.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240770
c. I take mathematics to meet my high school graduation requirements.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240767

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy doing math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267479
b. I look forward to my math class.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267481
c. I am interested in the things I learn in math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617324
d. I think making an effort in math is worthwhile.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267485
e. I think math will help me even when I am not in school.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267486
f. I think it is important to do well in math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267487
g. I take mathematics because it will help me in the future.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH651872
h. I take mathematics to meet my high school graduation requirements.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH651874

8. Are you currently taking a mathematics course?

- A Yes  
 B No

## Items previously cleared at Grade 8 and proposed for Grade 12

VH350115

1. 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

VH350116

2. 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



3. How often do you use a computer or other digital device (excluding handheld 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

4. 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

5. 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

6. 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 computers or other digital devices when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH588077
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

7. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to complete your math assignments?

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

8. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments?

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

9. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to take an online practice test?

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

10. 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

11. 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. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

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

- Ⓐ Yes
- Ⓑ No

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

14. 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.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267679
d. Describe the properties shared by every isosceles right triangle	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267681
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

Please note: (1) Some grade 8 items may not be included in the grade 12 pilot if they do not perform well in the 2017 pilot.

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 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 learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

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 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 learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
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

17. 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

Please note: (1) Some grade 8 items may not be included in the grade 12 pilot if they do not perform well in the 2017 pilot.



18. How often do you play digital games (for example, apps, video games, or computer games) **outside of school** that involve math?

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

19. How often do you use a computer, tablet, smartphone, or gaming console **outside of school** to play **educational games** that involve math?

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

20. How often do you use a computer, tablet, smartphone, or gaming console **outside of school** to play **popular games** that involve math?

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

21. 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.

	<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 a bar graph to represent the number of desks, chairs, and tables in your classroom	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460348
b. Use a box plot to represent the height, in inches, of all of the students in your class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460355
c. Determine the probability of picking a blue marble without looking if you know the number of marbles of each color in a bag	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460381
d. List all of the different possible outcomes when a coin is flipped three times	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH460382

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

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Create an expression that represents the average number of miles you run in a week if you run 100 miles in $w$ weeks	(A)	(B)	(C)	(D)	(E)	VH460383
b. 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)	VH460386
c. Create an expression that shows the number of wheels on $n$ wagons if each wagon has 4 wheels	(A)	(B)	(C)	(D)	(E)	VH460389
d. Explain how you know the number of books you can buy if you know the price of each book and you have \$35	(A)	(B)	(C)	(D)	(E)	VH460391

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

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

24. Have you ever participated in a math study group **outside of school**?

- Ⓐ Yes
- Ⓑ No

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

26. Have you ever participated in a math study group **at school**?

- Ⓐ Yes
- Ⓑ No

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

## **Appendix F-1q: 2018 Pilot Grade 4 Science**

1. In your science class this year, how often have you learned about living things (for example, plants, animals, or bacteria)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

2. In your science class this year, how often have you learned about electricity (for example, circuits, batteries, or light bulbs)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

3. In your science class this year, how often have you learned about chemicals (for example, vinegar, baking soda, or hydrogen peroxide)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

4. In your science class this year, how often have you learned about rocks or minerals (for example, diamond, iron, or lava rock)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

5. In your science class this year, how often have you done science activities using scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

6. In your science class this year, how often have you read from a science textbook (print or digital)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always



7. In your science class this year, how often have you learned about science topics on the Internet?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

8. In your science class this year, how often have you watched a short video clip, movie, or video about science topics?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

9. In your science class this year, how often have you been asked to write about science topics (for example, a science journal, lab report, or essay)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

10. In this school year, how often have you understood what the teacher talks about in science class?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

11. In this school year, how often have you done well on your science tests?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

12. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

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

	<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. Describe different ways to heat or cool water	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638868
b. Describe how the length of a vibrating string affects the sound it makes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638870
c. Design an experiment to show how sunlight affects the growth of a plant	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638872
d. Use examples to show how one living thing has helped another to survive	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638875
e. Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638876
f. Decide which tool to use if you want to measure wind speed	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638883
g. Describe why the weather in the summer is different than in the winter	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638885

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

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

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

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

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

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

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

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Made a drawing that explains why or how something happens	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639156
b. Used a science experiment to answer a question	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639162
c. Put information you collected into a table or graph	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639164
d. Used evidence to explain why something happens	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639166
e. Found news articles about science on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639169

18. How often do you talk about things you have learned in science class with someone in your family?

- A Never or hardly ever
- B Once in a while
- C Sometimes
- D Often
- E Very often

## **Appendix F-1r: 2018 Pilot Grade 8 Science**



1. In this school year, how often have you understood what the teacher talks about in science class?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

2. In this school year, how often have you done well on your science tests?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

3. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

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

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

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

	<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. Read from a science textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine (print or digital) about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Used the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watched a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312
e. Used a magnifying glass or microscope for looking at small things	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639075
f. Used a thermometer or weighing scale for making measurements	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639078

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

	<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. Describe different ways to heat or cool water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Describe how the length of a vibrating string affects the sound it makes	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use examples to show how one living thing has helped another to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	(A)	(B)	(C)	(D)	(E)	VH638876
f. Decide which tool to use if you want to measure wind speed	(A)	(B)	(C)	(D)	(E)	VH638883
g. Describe why the weather in the summer is different than in the winter	(A)	(B)	(C)	(D)	(E)	VH638885

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

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

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

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

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

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

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

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



11. How often do you talk about things you have learned in science class with someone in your family?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

## **Appendix F-1s: 2018 Pilot Grade 12 Science**

1. In this school year, how often have you understood what the teacher talks about in science class?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

2. In this school year, how often have you done well on your science tests?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

3. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

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

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

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

	<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. Read from a science textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine (print or digital) about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Used the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watched a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312
e. Used a magnifying glass or microscope for looking at small things	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639075
f. Used a thermometer or weighing scale for making measurements	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639078

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

	I did not take this course.	I took this course in Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I am taking or have taken this course in Grade 12.	
a. General science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241150
b. First-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241151
c. Second-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241159
d. Life science (other than biology)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241148
e. First-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241154
f. Second-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241155
g. First-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241156
h. Second-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241157
i. Physical science (other than chemistry or physics)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241149
j. Earth and space 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	VH241147
k. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241158
l. Other science course (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	VH241153

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

- A Yes  
 B No

8. Are you currently enrolled in or have you taken an Advanced Placement<sup>®</sup> course in science? Select **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 C.
  - Ⓔ Yes, I am enrolled in or have taken Advanced Placement Physics 1.
  - Ⓕ Yes, I am enrolled in or have taken Advanced Placement Physics 2.
  - Ⓖ Yes, I am enrolled in or have taken Advanced Placement Computer Science A.
  - Ⓗ Yes, I am enrolled in or have taken Advanced Placement Computer Science Principles.
  - Ⓘ No, I have never taken an Advanced Placement science course.

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

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

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



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

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

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

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

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

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

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

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

15. How likely are you to pursue a career in science?

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

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

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

17. How often do you talk about things you have learned in science class with someone in your family?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

## **Appendix F-1t: 2017 Operational Grade 4 Writing**

21. For school this year, how often do you write stories?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

22. For school this year, how often do you write reports?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week



23. For school this year, how often do you write letters?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

24. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312245
b. To convince or persuade someone	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312246
c. To describe a real experience (for example, write about factual events or personal experiences)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312247
d. To describe an imagined experience (for example, tell a fictional story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312248

25. For school this year, how often do you look for information on the Internet to include in your writing?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

26. In a day, about how much time do you spend writing **on paper** for school assignments?
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour

27. In a day, about how much time do you spend writing **on a computer** for school assignments?
- Ⓐ None
  - Ⓑ About 10 minutes
  - Ⓒ About 30 minutes
  - Ⓓ About 1 hour
  - Ⓔ More than 1 hour

28. 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.
  - Ⓕ I type using a way other than both hands.

29. 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 of something in my writing	(A)	(B)	(C)	(D)	(E)	VH616470
c. Tell an imaginary story in my writing	(A)	(B)	(C)	(D)	(E)	VH311984
d. Write a paper using correct grammar	(A)	(B)	(C)	(D)	(E)	VH315010

30. 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 be a better writer than my classmates.	(A)	(B)	(C)	(D)	(E)	VH312048
b. I want my teacher to think I am a good writer.	(A)	(B)	(C)	(D)	(E)	VH312050
c. I want to have my classmates believe I can write well.	(A)	(B)	(C)	(D)	(E)	VH312043
d. I want to become a better writer.	(A)	(B)	(C)	(D)	(E)	VH312042
e. I want to improve how I express my ideas.	(A)	(B)	(C)	(D)	(E)	VH312038
f. I want to better organize my ideas when writing.	(A)	(B)	(C)	(D)	(E)	VH312051

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. 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 enjoy expressing my thoughts in writing.	(A)	(B)	(C)	(D)	(E)	VH314723
d. I enjoy sharing my writing with others.	(A)	(B)	(C)	(D)	(E)	VH314733

32. 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

33. How often do you write to your friends or family using a computer or other digital device (for example, writing e-mails, blog posts, text messages, instant messages, or personal web pages)?

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

## **Appendix F-1u: 2018 Cognitive Interviews Grade 4 Writing**

1. 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

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

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

3. In a day, about how much time do you spend writing **on paper** for school assignments?

- Ⓐ None
- Ⓑ About 10 minutes
- Ⓒ About 30 minutes
- Ⓓ About 1 hour
- Ⓔ More than 1 hour

4. How often do you use each of the following tools 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)	VH811295
b. Desktop or laptop computer (including Chromebooks)	(A)	(B)	(C)	(D)	(E)	VH811299
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH811300
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	(A)	(B)	(C)	(D)	(E)	VH811297

5. In your English/language arts class this year, how often do you use each of the following tools 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)	VH811281
b. Desktop or laptop computer (including Chromebooks)	(A)	(B)	(C)	(D)	(E)	VH811285
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH811286
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	(A)	(B)	(C)	(D)	(E)	VH811283

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Write stories	(A)	(B)	(C)	(D)	(E)	VH811342
b. Write reports	(A)	(B)	(C)	(D)	(E)	VH811343
c. Write letters	(A)	(B)	(C)	(D)	(E)	VH811345
d. Look for information on the Internet to include in your writing	(A)	(B)	(C)	(D)	(E)	VH811352



Alternate version (for VH811325)

In a typical week, how many hours do you spend writing on your own and not for school—for example, writing stories or keeping a journal at home?

\_\_\_\_\_

Alternate version (for VH811369)

About how many hours a day do you spend on your English/language arts homework?

- A. Less than 30 minutes a day
- B. 30 minutes up to 1 hour a day
- C. 1 up to 2 hours a day
- D. 2 up to 3 hours a day
- E. 3 up to 4 hours a day
- F. More than 4 hours a day

## **Appendix F-1v: 2017 Operational Grade 8 Writing**

25. 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 new vocabulary in writing	(A)	(B)	(C)	(D)	(E)	VH312801
b. Typing on a keyboard	(A)	(B)	(C)	(D)	(E)	VH312802
c. 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
d. Writing for different audiences or readers	(A)	(B)	(C)	(D)	(E)	VH312807
e. Writing different forms of text (for example, an essay, letter, or story)	(A)	(B)	(C)	(D)	(E)	VH313344
f. Citing sources correctly in writing	(A)	(B)	(C)	(D)	(E)	VH313380
g. Improving writing by revising first drafts	(A)	(B)	(C)	(D)	(E)	VH313384
h. Using details to develop ideas in writing	(A)	(B)	(C)	(D)	(E)	VH313385

26. 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 within one session	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311876
b. Assignments that you can work on over extended periods of time (for example, several class periods)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311881
c. Assignments that you have to complete together with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312058
d. Assignments that you have to complete on a computer or other digital device	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH588405
e. Assignments of two or more pages (for example, a paper or report)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312074

27. 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 a spell-checker in word processing software	(A)	(B)	(C)	(D)	(E)	VH616556
e. Use a thesaurus or dictionary in word processing software	(A)	(B)	(C)	(D)	(E)	VH312795

28. 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 analyze (for example, collect and describe evidence for an issue or argument)	(A)	(B)	(C)	(D)	(E)	VH312250

29. 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

30. 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 to make changes to the paper or report (for example, spell-check or cut and paste)	(A)	(B)	(C)	(D)	(E)	VH312327
c. Use a computer or other digital device to complete your writing	(A)	(B)	(C)	(D)	(E)	VH312328

31. 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 (including Chromebooks)	(A)	(B)	(C)	(D)	(E)	VH588417
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314235
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	(A)	(B)	(C)	(D)	(E)	VH592243

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.
- Ⓕ I type using a way other than both hands.

33. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311982
b. Convince someone of something in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616470
c. Tell an imaginary story in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311984
d. Present a clear position in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311985
e. Support a position with reasons and examples in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311986



34. 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. Take different points of view into account in my persuasive writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311987
b. Write a paper using correct grammar	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH315010
c. Write a paper without spelling mistakes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH315014
d. Choose words in my writing that will effectively communicate my ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH315032
e. Quickly come up with ideas about what to write for a timed writing task	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311954

35. 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 be a better writer than my classmates.	(A)	(B)	(C)	(D)	(E)	VH312048
b. I want my teacher to think I am a good writer.	(A)	(B)	(C)	(D)	(E)	VH312050
c. I want to have my classmates believe I can write well.	(A)	(B)	(C)	(D)	(E)	VH312043
d. I want to become a better writer.	(A)	(B)	(C)	(D)	(E)	VH312042
e. I want to improve how I express my ideas.	(A)	(B)	(C)	(D)	(E)	VH312038
f. I want to better organize my ideas when writing.	(A)	(B)	(C)	(D)	(E)	VH312051

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	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 enjoy expressing my thoughts in writing.	(A)	(B)	(C)	(D)	(E)	VH314723
d. I enjoy sharing my writing with others.	(A)	(B)	(C)	(D)	(E)	VH314733

37. 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 (including Chromebooks)	(A)	(B)	(C)	(D)	(E)	VH588431
c. Tablet (for example, Surface Pro, iPad, Kindle Fire)	(A)	(B)	(C)	(D)	(E)	VH314386
d. Smartphone (for example, iPhone, Samsung Galaxy, HTC One)	(A)	(B)	(C)	(D)	(E)	VH592889

38. 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

39. 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. Practice my keyboarding skills	(A)	(B)	(C)	(D)	(E)	VH314701
b. Write journal entries or blog posts	(A)	(B)	(C)	(D)	(E)	VH616527
c. Get tutoring to improve my writing	(A)	(B)	(C)	(D)	(E)	VH314703
d. Help others with their writing	(A)	(B)	(C)	(D)	(E)	VH314708

## **Appendix F-1w: 2018 Cognitive Interviews Grade 8 Writing**

1. 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

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

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

3. For school this year, how often do you use computers or other digital devices to do the following activities 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811398
b. Revise or edit a document (for example, make changes to a paper or report)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811400
c. Complete your writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811399
d. Use an online tool that allows others to edit your writing (for example, Google Docs or Google Classroom)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811413

Alternate version (for VH811325)

In a typical week, how many hours do you spend writing on your own and not for school—for example, writing stories or keeping a journal at home?

\_\_\_\_\_

Alternate version (for VH811369)

About how many hours a day do you spend on your English/language arts homework?

- A. Less than 30 minutes a day
- B. 30 minutes up to 1 hour a day
- C. 1 up to 2 hours a day
- D. 2 up to 3 hours a day
- E. 3 up to 4 hours a day
- F. More than 4 hours a day

## **Appendix F-1x: 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

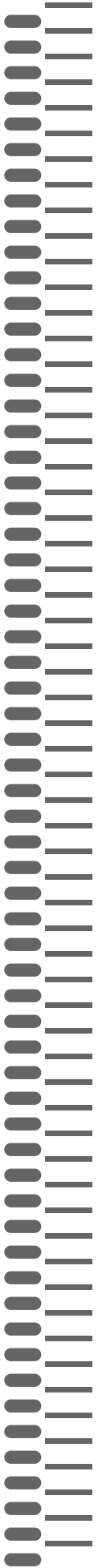
3. How often do you write, in and out of school, for each of the following activities? Include only the writing that you do on paper. Select **one** circle on each line.

- |  | 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 |



VE088007

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.

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

VE088022

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.

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

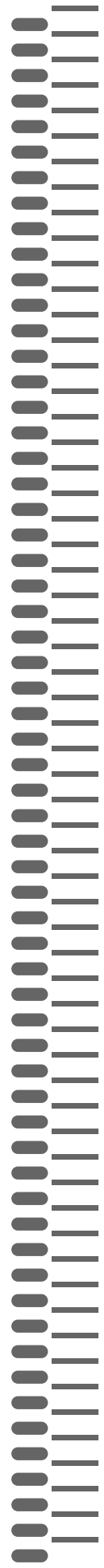
14. How hard was this test compared to most other tests you have taken this year in school?

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 F-1y: 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.

	<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 something in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311982
b. Convince someone about something in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311983
c. Tell an imaginary story in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311984
d. Present a clear position in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311985
e. Support a position with reasons and examples in my writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH311986
f. Take different points of view into account in my persuasive writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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 F-1z: 2018 Cognitive Interviews Grade 12 Writing**

1. 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

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

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

3. Did you make notes, plan, or organize your writing for this test? Select **one** circle on each row.

	Yes	No	
a. For the first writing task on this test	Ⓐ	Ⓑ	VH811578
b. For the second writing task on this test	Ⓐ	Ⓑ	VH811579

4. How often have you written or practiced writing the following texts? Select **one** answer choice on each row.

	Never	Once	Two or three times	Four to five times	More than five times	
a. A job application (print or online)	(A)	(B)	(C)	(D)	(E)	VH811804
b. A cover letter explaining how your educational and/or work experiences have prepared you for a job	(A)	(B)	(C)	(D)	(E)	VH811805
c. A resume listing your academic achievements and/or work experience	(A)	(B)	(C)	(D)	(E)	VH811806
d. A profile on a job search website (for example, Indeed)	(A)	(B)	(C)	(D)	(E)	VH811807
e. A profile on a professional networking website (for example, LinkedIn)	(A)	(B)	(C)	(D)	(E)	VH811808

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Using new vocabulary in writing	(A)	(B)	(C)	(D)	(E)	VH811433
b. Organizing ideas in writing (for example, planning the order of my ideas before writing, re-organizing my ideas when I revise)	(A)	(B)	(C)	(D)	(E)	VH811434
c. Writing for different audiences or readers	(A)	(B)	(C)	(D)	(E)	VH811435
d. Writing different forms of text (for example, an essay, letter, or story)	(A)	(B)	(C)	(D)	(E)	VH811437
e. Improving writing by revising drafts	(A)	(B)	(C)	(D)	(E)	VH811439
f. Using details to develop ideas in writing	(A)	(B)	(C)	(D)	(E)	VH811440

6. For school this year, how often do you use computers or other digital devices to do the following activities 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)	VH811398
b. Revise or edit a document (for example, make changes to a paper or report)	(A)	(B)	(C)	(D)	(E)	VH811400
c. Complete your writing	(A)	(B)	(C)	(D)	(E)	VH811399

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
d. Use an online tool that allows others to edit your writing (for example, Google Docs or Google Classroom)	(A)	(B)	(C)	(D)	(E)	VH811413

7. For school this year, how often do you typically write for each of the following purposes? Select **one** answer choice on each row.

VH811458

	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 analyze (for example, collect and describe evidence for an issue or argument)	(A)	(B)	(C)	(D)	(E)	VH811465
b. To communicate with friends and family	(A)	(B)	(C)	(D)	(E)	VH811466

8. For school this year, how often do you write each of the following texts? The writing could be on paper, a computer, or other digital device (for example, tablet or smart phone). 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. Informational essays	(A)	(B)	(C)	(D)	(E)	VH811484
b. Journal entries or blogs	(A)	(B)	(C)	(D)	(E)	VH811485
c. Explanations of how you solved a mathematics or science problem	(A)	(B)	(C)	(D)	(E)	VH811486
d. Critical reviews	(A)	(B)	(C)	(D)	(E)	VH811487
e. Editorials	(A)	(B)	(C)	(D)	(E)	VH811488

9. For school this year, how often do you do each of the following pre-writing tasks when writing a paper? 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. Brainstorming	(A)	(B)	(C)	(D)	(E)	VH811811
b. Planning	(A)	(B)	(C)	(D)	(E)	VH811812
c. Outlining	(A)	(B)	(C)	(D)	(E)	VH811813
d. Freewriting	(A)	(B)	(C)	(D)	(E)	VH811814



10. Do you think you can do each of the following activities? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Organize my writing so the order of ideas (for example, sentences, paragraphs) is logical	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811767
b. Use different sentence structure in my writing to keep the reader's interest	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811768
c. Write in a tone that is appropriate for my audience	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811769
d. Write a paper using correct spelling, grammar, punctuation, and capitalization	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811770

Alternate version (for VH811325)

In a typical week, how many hours do you spend writing on your own and not for school—for example, writing stories or keeping a journal at home?

\_\_\_\_\_

Alternate version (for VH811369)

About how many hours a day do you spend on your English/language arts homework?

- A. Less than 30 minutes a day
- B. 30 minutes up to 1 hour a day
- C. 1 up to 2 hours a day
- D. 2 up to 3 hours a day
- E. 3 up to 4 hours a day
- F. More than 4 hours a day

## **Appendix F-1aa: 2018 Operational Grade 8 Civics**

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

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

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

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

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

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

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

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

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

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Study the rights and responsibilities of United States citizens	(A)	(B)	(C)	(D)	(E)	VH716865
b. Examine how the United States influences and is influenced by events in other countries	(A)	(B)	(C)	(D)	(E)	VH716866
c. Compare the roles and responsibilities of local, state, and national governments in the United States	(A)	(B)	(C)	(D)	(E)	VH716871
d. Study why it is important to pay attention to the political process and government	(A)	(B)	(C)	(D)	(E)	VH716868
e. Study why it is important for individuals to participate in the political process and government	(A)	(B)	(C)	(D)	(E)	VH727879

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

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



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

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

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

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

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

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Explain the roles and functions of the three branches of the United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457878
b. Explain the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457879
c. Explain how the United States influences and is influenced by events in other countries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457880
d. Compare the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457882
e. Explain why it is important to pay attention to the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457884
f. Explain why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457885

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

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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want to learn as much as possible about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716900
b. I want to master a lot of new civics and/or United States government skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716901
c. I want to become a better civics and/or United States government student this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716904
d. I want to understand as much as I can about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH716902

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

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

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

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

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

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

39. Approximately how many hours a day do you spend on your **social studies** homework?
- Ⓐ Less than 30 minutes a day
  - Ⓑ 30 minutes up to 1 hour a day
  - Ⓒ 1 up to 2 hours a day
  - Ⓓ 2 up to 3 hours a day
  - Ⓔ 3 up to 4 hours a day
  - Ⓕ More than 4 hours a day



## **Appendix F-1ab: 2010 Operational Grade 12 Civics**

# SECTION 4

## Section 4

This section has 16 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. In what grade(s) have you studied civics or government? Fill in **all** ovals that apply. VE216906

	Yes	No	
a. Grade 9	Ⓐ	Ⓑ	VE216908
b. Grade 10	Ⓐ	Ⓑ	VE216909
c. Grade 11	Ⓐ	Ⓑ	VE216913
d. Grade 12	Ⓐ	Ⓑ	VE216914

2. In this school year, how often have you studied social studies? VC469156

- Ⓐ 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

Section 4



ID100216

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

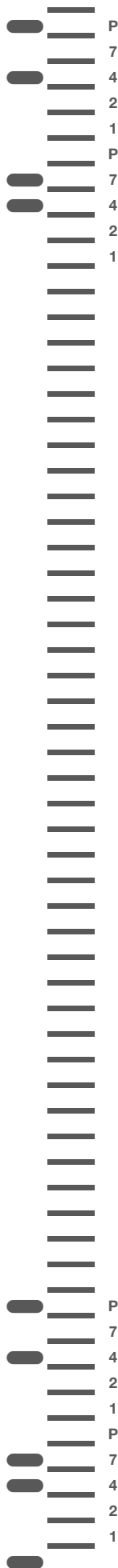
- |   | Yes                     | No                      | I don't know.           |          |
|---|-------------------------|-------------------------|-------------------------|----------|
| a. The United States Constitution                           | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100217 |
| b. Congress   | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100218 |
| c. The President and the cabinet                            | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100219 |
| d. How laws are made  | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100220 |
| e. The court system   | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100221 |
| f. Political parties, elections, and voting                 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100222 |
| g. State and local government                               | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100223 |
| h. Other countries' governments                             | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | ID100224 |
| i. International organizations (such as the United Nations) | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | 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<br>times a<br>year | Once or<br>twice a<br>month | Once or<br>twice a<br>week | Almost<br>every<br>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 civics or government?

VB610546

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

6. This year, how often have you used computers at school for studying civics or government?

VE138990

- (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. Think about all the courses since the ninth grade in which you have studied civics or government. To what extent have you used computers to do research projects about topics in civics or government using a CD or the Internet? Include both class work and homework assignments.

VE139938

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

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 ID. Rows include statements about understanding, ease, difficulty, and interest in social studies or civics or government work.



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

10. Have you taken or are you currently taking the College Board Advanced Placement course in United States Government and Politics?

ID100232

- Ⓐ Yes
- Ⓑ No

11. Are you currently enrolled in or have you taken any online courses in United States government for high school or college credit?

VC681414

- Ⓐ Yes
- Ⓑ No

12. How much education do you think you will complete?

QK070697

- Ⓐ 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.

13. What do you expect that your main activity will be in the year after you leave high school?

VC101417

- Ⓐ 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

14. 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

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?

VC034559

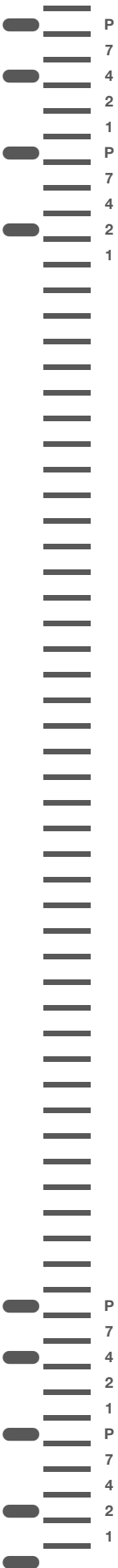
- Ⓐ Not as hard as on other tests
- Ⓑ About as hard as on other tests
- Ⓒ Harder than on other tests
- Ⓓ Much harder than on other tests

Section 4

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

VB595184

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



## **Appendix F-1ac: 2018 Operational Grade 8 Geography**



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am a good geography student.	(A)	(B)	(C)	(D)	(E)	VH717291
b. I want to show others that my geography schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH717294
c. I want to look smart in comparison to the other students in my social studies or geography class.	(A)	(B)	(C)	(D)	(E)	VH717292
d. I want to get better geography grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH717293

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

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

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

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

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

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



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

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

38. Approximately how many hours a day do you spend on your **social studies** homework?

- Ⓐ Less than 30 minutes a day
- Ⓑ 30 minutes up to 1 hour a day
- Ⓒ 1 up to 2 hours a day
- Ⓓ 2 up to 3 hours a day
- Ⓔ 3 up to 4 hours a day
- Ⓕ More than 4 hours a day

## **Appendix F-1ad: 2010 Operational Grade 12 Geography**

# SECTION 4

## Section 4

This section has 16 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. 9th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345606
b. 10th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345607
c. 11th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345608
d. 12th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VB345609

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

Section 4

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE117427
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	VE117428
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	VE117429
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	VE117430
e. Write a report	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE117431
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	VE117432
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	VE117433
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	VE117435
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	VE117437
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	VE117438
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	VE117439
l. 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	VE131746

5. This year, how often have you used computers at school for studying geography?

VE111121

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

6. Think about all the courses since the 9th grade in which you have studied history or geography. To what extent have you used computers to do the following? For this question include both class work and homework assignments. Fill in **one** oval on each line.

VE141477

	Not at all	Small extent	Moderate extent	Large extent	
a. Did research projects about topics in history or geography using a CD or the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141536
b. Used computer programs in which you play the role of an explorer, geographer, anthropologist, or historian	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141571
c. Created or used maps using geographic information systems (GIS)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141603
d. Put history or geography information into tables, charts, or graphs on the computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141631
e. Wrote reports or other things about history or geography on the computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141656
f. Combined words, images, and sounds to create multimedia reports or projects about history or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141692
g. Used e-mail or the Internet to communicate with others about history or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE141715

Section 4

VC629461

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

- |  | Never or<br>hardly<br>ever | Sometimes | Often | Always<br>or almost<br>always |          |
|--|----------------------------|-----------|-------|-------------------------------|----------|
| a. I have a clear understanding of what my social studies or geography teacher is asking me to do. | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC629462 |
| b. The social studies or geography work is easy.   | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC629463 |
| c. The social studies or geography work is difficult.  | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC629465 |
| d. The social studies or geography work is interesting.  | Ⓐ                          | Ⓑ         | Ⓒ     | Ⓓ                             | VC629473 |

VE131544

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

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ A lot

VE040688

10. Are you currently enrolled in or have you taken an Advanced Placement course in Human Geography?

- Ⓐ Yes
- Ⓑ No

VC473873

9. Are you currently enrolled in or have you taken an International Baccalaureate course in geography?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VC473870

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

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

12. How much education do you think you will complete?

QK070697

- Ⓐ 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.

13. What do you expect that your main activity will be in the year after you leave high school?

VC101417

- Ⓐ 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

14. 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

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?

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

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

VB595184

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



## **Appendix F-1ae: 2018 Operational Grade 8 U.S. History**



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

39. Approximately how many hours a day do you spend on your **social studies** homework?
- Ⓐ Less than 30 minutes a day
  - Ⓑ 30 minutes up to 1 hour a day
  - Ⓒ 1 up to 2 hours a day
  - Ⓓ 2 up to 3 hours a day
  - Ⓔ 3 up to 4 hours a day
  - Ⓕ More than 4 hours a day

## **Appendix F-1af: 2010 Operational Grade 12 U.S. History**

# SECTION 4

## Section 4

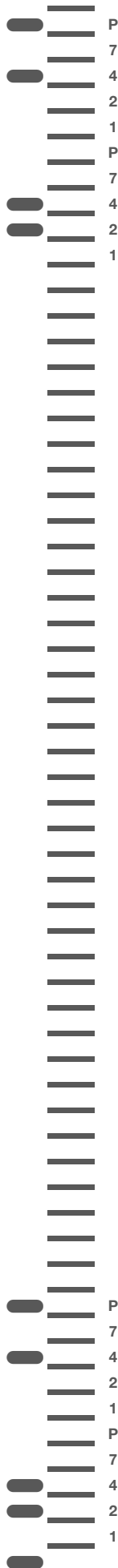
This section has 16 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. Did you take a United States history course in the following grades? Fill in **one** oval on each line. LC000126

	Yes	No	I don't know.	
a. 9th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	LC000127
b. 10th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	LC000128
c. 11th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	LC000129

2. Are you taking a United States history course now? WP000118

- A Yes
- B No



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 |

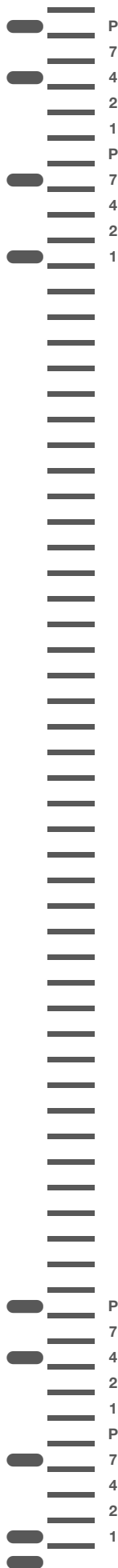


4. When you study history or social studies in school, how often do you do each of the following? Fill in **one** oval on each line.

	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. This year, how often have you used computers at school for studying history or social studies?

VE102054

- (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. Think about all the courses since the ninth grade in which you have studied history or social studies. To what extent have you used computers to do research projects about topics in history or social studies using a CD or the Internet? Include both class work and homework assignments.

VE142965

- (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

	Never or hardly ever	Sometimes	Often	Always or almost always	
a. I have a clear understanding of what my social studies or history teacher is asking me to do.	(A)	(B)	(C)	(D)	VC471046
b. The social studies or history work is easy.	(A)	(B)	(C)	(D)	VE132507
c. The social studies or history work is difficult.	(A)	(B)	(C)	(D)	VC471049
d. The social studies or history work is interesting.	(A)	(B)	(C)	(D)	VC471051



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

10. Are you currently enrolled in or have you taken an Advanced Placement course in U.S. History?

VB598179

- Ⓐ Yes
- Ⓑ No

11. Are you currently enrolled in or have you taken any online U.S. History courses for high school or college credit?

VC470692

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

12. How much education do you think you will complete?

QK070697

- Ⓐ 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.

13. What do you expect that your main activity will be in the year after you leave high school?

VC101417

- Ⓐ 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

14. 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



## **Appendix F-1ag: 2012 Operational Grade 12 Economics**

# SECTION 4

## Section 4

This section has 14 questions. Mark your answers in your booklet. Fill in only **one** oval for each question except where instructed otherwise.

1. Which **economics-related courses** have you taken from ninth grade to the present? Count each course only once. Include courses you are currently taking as well as courses taken in summer school. Fill in **one or more ovals** on each line.

	Not taken	Taken/taking in Grade 12	Taken in Grade 11	Taken in Grade 10	Taken in Grade 9	
a. Economics course (general course <b>other than</b> Advanced Placement, International Baccalaureate®, or honors economics)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595239
b. Government and economics course (combined course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595241
c. Consumer economics or personal finance course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595662
d. Advanced Placement Economics course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595663
e. International Baccalaureate Economics course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595664
f. Honors economics course ( <b>other than</b> Advanced Placement or International Baccalaureate Economics)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595665
g. Business course such as entrepreneurship or business principles	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595666
h. Any other economics course (specify) _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595667
i. Any other course that includes an extended (at least 8-week long) unit on economics (specify) _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB595668

Section 4

VB595669

2. Which of the following statements best describes your overall course-taking in economics?

- Ⓐ I have **taken at least one** of the courses listed in Question 1. → *Go to Question 3.*
- Ⓑ I have **not taken any** of the courses listed in Question 1. → *Skip to Question 7.*

VC099117

3. For the course(s) you marked “Taken/taking in Grade 12” in **Question 1**, which of the following is true for you? Fill in **all ovals** that apply.

- Ⓐ I am not taking any of these courses in grade 12.
- Ⓑ I am currently enrolled in a year-long course.
- Ⓒ I completed a semester-long course this school year.
- Ⓓ I just started a semester-long course.

VB595670

4. Think about the courses in **Question 1**. How much do you agree or disagree with the following statements about those courses that you took? Fill in **one** oval on each line.

	Strongly disagree	Somewhat disagree	Somewhat agree	Strongly agree	
a. Taking the course(s) helped me understand the U.S. economy.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595671
b. Taking the course(s) helped me understand the international economy.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595672
c. Taking the course(s) helped me understand what I hear on the news about current events and public policy.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595673
d. Taking the course(s) helped me understand how to manage my personal finances, now and in the future.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595674
e. Taking the course(s) helped me make choices about my future education and career.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VB595675



P  
7  
4  
2  
1  
P  
7  
4  
2  
1

5. In your current or most recent course that included economics, how often are you or were you asked to write long answers to questions or assignments?

VB595676

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

6. In your current or most recent course that included economics, how often do you or did you use the Internet to get economic data or information? Include both class work and homework.

VE464378

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

VB595679

7. **Not including things you do for school**, how often do you watch, read about, or listen to information on the following topics? Fill in **one** oval 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. The local economy (unemployment in your area, job opportunities, prices of goods and services, taxes, public budgets, etc.)   | <input type="radio"/> (A)  | <input type="radio"/> (B) | <input type="radio"/> (C)   | <input type="radio"/> (D)  | VB595680 |
| b. The U.S. economy (unemployment, inflation, economic growth, national economic policy, interest rates, the stock market, etc.) | <input type="radio"/> (A)  | <input type="radio"/> (B) | <input type="radio"/> (C)   | <input type="radio"/> (D)  | VB595681 |
| c. The international economy (the state of economies in other countries, trade agreements and restrictions, globalization, etc.) | <input type="radio"/> (A)  | <input type="radio"/> (B) | <input type="radio"/> (C)   | <input type="radio"/> (D)  | VB595962 |
| d. Personal finance (saving, investment, taxes, credit cards, etc.)  | <input type="radio"/> (A)  | <input type="radio"/> (B) | <input type="radio"/> (C)   | <input type="radio"/> (D)  | VB595963 |

VB595964

8. To what extent do you use the following sources to learn about **economic issues**? Fill in **one** oval on each line.

- |  | Not at all                | Small<br>extent           | Moderate<br>extent        | Large<br>extent           |          |
|--|---------------------------|---------------------------|---------------------------|---------------------------|----------|
| a. Newspapers and magazines  | <input type="radio"/> (A) | <input type="radio"/> (B) | <input type="radio"/> (C) | <input type="radio"/> (D) | VB595965 |
| b. Radio and television  | <input type="radio"/> (A) | <input type="radio"/> (B) | <input type="radio"/> (C) | <input type="radio"/> (D) | VB595966 |
| c. Internet  | <input type="radio"/> (A) | <input type="radio"/> (B) | <input type="radio"/> (C) | <input type="radio"/> (D) | VB595967 |
| d. Family and friends  | <input type="radio"/> (A) | <input type="radio"/> (B) | <input type="radio"/> (C) | <input type="radio"/> (D) | VB595968 |
| e. Personal experiences (such as having a job or keeping a budget) | <input type="radio"/> (A) | <input type="radio"/> (B) | <input type="radio"/> (C) | <input type="radio"/> (D) | VB595969 |



VB595971

9. Since the beginning of ninth grade, have you ever participated in any of the following **economics-related activities**? Fill in **one or more** ovals on each line.

	Yes, did this for a class	Yes, did this, but <u>not</u> for a class	No, never did this	
a. Future Business Leaders of America (FBLA)	Ⓐ	Ⓑ	Ⓒ	VB595972
b. DECA (an association of marketing students)	Ⓐ	Ⓑ	Ⓒ	VB595973
c. Junior Achievement	Ⓐ	Ⓑ	Ⓒ	VB595974
d. Club (includes such things as an economics, entrepreneurship, or investment club)	Ⓐ	Ⓑ	Ⓒ	VB595975
e. Academic competition (includes such things as Fed Challenge, Economics Challenge, or Academic Decathlon)	Ⓐ	Ⓑ	Ⓒ	VB595976
f. Stock market game/simulation	Ⓐ	Ⓑ	Ⓒ	VB595979
g. Student-managed school store	Ⓐ	Ⓑ	Ⓒ	VB595980
h. Student-managed credit union or bank	Ⓐ	Ⓑ	Ⓒ	VB595981
i. Other (specify) _____	Ⓐ	Ⓑ	Ⓒ	VB607182

Section 4

10. **Last summer**, how much did you work?  
Include work you did for pay or for a family business.

VB607183

- Ⓐ Did not work at all
- Ⓑ Worked once in awhile or less than 5 hours a week
- Ⓒ Worked between 5 and 10 hours a week
- Ⓓ Worked between 11 and 20 hours a week
- Ⓔ Worked more than 20 hours a week

11. **Currently**, how much do you work?  
Include work you do for pay or for a family business.

VB607184

- Ⓐ Do not work at all
- Ⓑ Work once in awhile or less than 5 hours a week
- Ⓒ Work between 5 and 10 hours a week
- Ⓓ Work between 11 and 20 hours a week
- Ⓔ Work more than 20 hours a week

12. 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

13. 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

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

VB595184

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



## **Appendix F-1ah: 2018 Operational Grade 8 TEL**

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

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

2. How easy or difficult was this test?

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

3. 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

4. How challenging was taking this test?

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

5. How much time pressure did you feel when taking this test?

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

6. Are you Hispanic or Latino? Select **one or more** squares.

- Ⓐ 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.

7. 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

8. 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)

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

	Yes	No	
a. Access to the Internet	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694206
b. Clothes dryer just for your family	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694365
c. Dishwasher	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694389
d. Your own bedroom	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694394
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694398
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694400
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="checkbox"/> A	<input type="checkbox"/> B	VH694403

10. How often do you use the Internet for homework at home?

- Ⓐ Never
- Ⓑ About once or twice a month
- Ⓒ About once or twice a week
- Ⓓ Almost every day
- Ⓔ Every day

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

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

12. How often do you talk about things you have studied in school with someone in your family?

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

13. 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.

14. 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.

15. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

16. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.



17. Do any of the following people live in your home? Select **one** circle in each row.

	Yes	No	
a. Mother	<input type="radio"/> A	<input type="radio"/> B	VH694455
b. Stepmother	<input type="radio"/> A	<input type="radio"/> B	VH694458
c. Foster mother or other female legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH694461
d. Father	<input type="radio"/> A	<input type="radio"/> B	VH694466
e. Stepfather	<input type="radio"/> A	<input type="radio"/> B	VH694472
f. Foster father or other male legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH694478

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

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

19. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

20. How much does each of the following statements describe a person like you? Select **one** circle in 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694552
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694561
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694570
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694587

21. In this school year, how often have you done 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	All or almost all of the time	
a. I started working on assignments right away rather than waiting until the last minute.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694624
b. I paid attention and resisted distractions.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694634
c. I stayed on task without reminders from my teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694641
d. I paid attention in class even when I was not interested.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH694646

22. How much does each of the following statements describe a person like you? Select **one** circle in each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH694671
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH694681
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH694686
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH694696

23. In this school year, how often have you felt any of the following ways about your school? 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	All or almost all of the time	
a. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH694711
b. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH694715
c. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH694718

24. 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.

25. 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.

26. 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.

27. **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

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

	Never or almost never	A few times a year	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Create, edit, or organize digital media	(A)	(B)	(C)	(D)	(E)	VE639130
b. Create a presentation	(A)	(B)	(C)	(D)	(E)	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)	(A)	(B)	(C)	(D)	(E)	VE639136

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

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

30. 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

31. 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

32. 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



33. Do you think that you would be able to do each of the following? Select **one** 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. 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

34. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639002
b. Choices people make that affect the environment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639004
c. Conditions that influence the use or availability of machines or devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639005
d. The ways people work together to solve problems in their community or the world	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE682300

35. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639012
b. Choices people make that affect the environment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639013
c. Conditions that influence the use or availability of machines or devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE639014
d. The ways people work together to solve problems in their community or the world	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE682314

36. 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

37. 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

38. 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

39. 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.	<input type="radio"/> A	<input type="radio"/> B	VF009360
b. I had taken an interactive computer test outside of school.	<input type="radio"/> A	<input type="radio"/> B	VF009361

## **Appendix F-1ai: 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

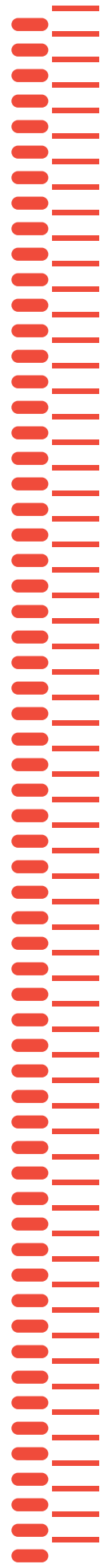
17. I enjoy reading about American Indian or Alaska Native people.

- Ⓐ 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

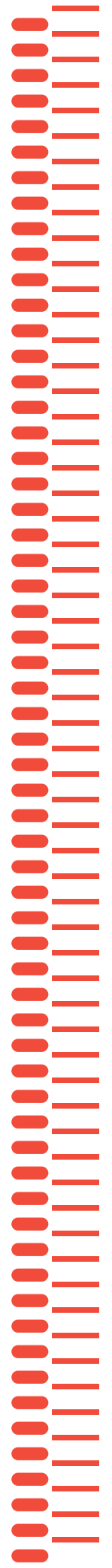
29. How much do you like school?

- Ⓐ 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.

---

---

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.

---

---

---

**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**



## **Appendix F-1aj: 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) | <input type="radio"/> A | <input type="radio"/> B | VH158491 |
| b. American Indian or Alaska Native art and craft demonstrations  | <input type="radio"/> A | <input type="radio"/> B | VH158492 |
| c. Traditional American Indian or Alaska Native music and/or dance performances   | <input type="radio"/> A | <input type="radio"/> B | VH158493 |
| d. Field trips to museums, traditional villages, or other places to learn about American Indian or Alaska Native people | <input type="radio"/> A | <input type="radio"/> B | 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   | <input type="radio"/> A | <input type="radio"/> B | VH040143 |
| b. Music club, orchestra, or band  | <input type="radio"/> A | <input type="radio"/> B | VH040147 |
| c. Cultural dances or other American Indian or Alaska Native activities (for example, drum groups) | <input type="radio"/> A | <input type="radio"/> B | VH040150 |
| d. Academic club (for example, math club)  | <input type="radio"/> A | <input type="radio"/> B | 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.

---

---

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.

---

---

---

**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**



## **Appendix F-1ak: 2017 Operational Grade 4 CAFS**

1. At home, do you have any of the following? Select **one** answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270142
c. A <b>tablet</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270139
d. A <b>tablet</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	<input type="radio"/> A	<input type="radio"/> B	VH270143
f. A <b>smartphone</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270144

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

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

3. When did you first use a **tablet**?

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

4. 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

5. 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

6. 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

7. Were you taught any of the following **at school**? Select **one** answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<input type="radio"/> A	<input type="radio"/> B	VH270150
b. How to write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270151
c. How to edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270164
d. How to search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270152
e. How to use a tablet	<input type="radio"/> A	<input type="radio"/> B	VH270156
f. How to look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270157

8. Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row.

	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	VH270166
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	VH270167
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	VH270170
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH270169
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH270168

9. 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).

10. 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.

11. **This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270172
b. Write a paper for school that was longer than a page	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270173
c. Search the Internet for a school project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270174
d. Practice things in <b>mathematics</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270181
e. Practice things in <b>reading</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270177
f. Take a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270175

12. This school year, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270183
b. Write a paper for school that was longer than a page	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270188
c. Search the Internet for a school project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270184
d. Practice things in <b>mathematics</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270185
e. Practice things in <b>reading</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270186
f. Take a test	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270192

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

- A I don't know how to type using a computer 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.

14. Would you rather take a test at school using paper and pencil or using a computer?

- A Paper and pencil
- B Computer

15. Do you think 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>I probably can.</b>	<b>I definitely can.</b>	
a. Write sentences and paragraphs using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270229
b. Edit text using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270230
d. Look up the meaning of a word using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270225
e. Draw a picture using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270226



16. How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270196
b. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270197
c. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270199
d. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270200
e. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270203
f. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270204
g. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270206
h. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270207
i. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270208
j. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270210
k. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270214

## **Appendix F-1a: 2017 Operational Grade 8 CAFS**

1. **At home**, do you have any of the following? Select **one** answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270142
c. A <b>tablet</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270139
d. A <b>tablet</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	<input type="radio"/> A	<input type="radio"/> B	VH270143
f. A <b>smartphone</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270144

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

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

3. When did you first use a **tablet**?

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

4. 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

5. **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

6. **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

7. Were you taught any of the following **at school**? Select **one** answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<input type="radio"/> A	<input type="radio"/> B	VH270150
b. How to write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270151
c. How to edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270164
d. How to search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270152
e. How to use a tablet	<input type="radio"/> A	<input type="radio"/> B	VH270156
f. How to look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270157
g. How to create a spreadsheet using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270154
h. How to create a presentation using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270155
i. How to run simulations using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270159
j. How to write a computer program or app	<input type="radio"/> A	<input type="radio"/> B	VH270160
k. How to create a graph or chart using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270161
l. How to troubleshoot problems with a computer	<input type="radio"/> A	<input type="radio"/> B	VH270158

8. Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row.

	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	VH270166
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	VH270167
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	VH270170
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH270169
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH270168

9. 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).

10. 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.

11. This school year, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

	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)	VH270172
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH270173
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH270174
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270181
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270177
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH270175
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH270178
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH270179
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH270180
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH270176

12. This school year, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270183
b. Write a paper for school that was longer than a page	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270188
c. Search the Internet for a school project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270184
d. Practice things in <b>mathematics</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270185
e. Practice things in <b>reading</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270186
f. Take a test	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270192
g. Create a map	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270189
h. Work on a website or blog that you maintain	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270190
i. Create a multimedia presentation <i>on your own</i>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270191
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270187

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

- A I don't know how to type using a computer 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.



14. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer

15. Do you think 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.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	(A)	(B)	(C)	(D)	VH270229
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH270230
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH270225
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH270226
f. View or download digital media	(A)	(B)	(C)	(D)	VH270216
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH270228
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH270231
i. Install new software or apps	(A)	(B)	(C)	(D)	VH270219
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH270220
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH270221
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH270222
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH270223
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH270224
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH270227
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH270232
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH270217

16. 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

17. 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.

**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

18. **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

19. **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

20. **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

21. How familiar are you with each of the following? Select **one** answer choice on each row.

	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	VH270195
b. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270196
c. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270197
d. Hyperlink	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270198
e. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270199
f. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270200
g. CPU	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270201
h. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270203
i. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270204
j. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270206
k. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270207
l. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270208
m. Cloud computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270209
n. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270210
o. Compiler	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270212
p. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270214



## **Appendix F-1am: 2015 Operational Grade 12 CAFS**

# SECTION 5

## Section 5

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

VH155319

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.

VH155275

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             | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155283 |
| b. A <b>laptop or desktop computer</b> that is shared between you and others | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155284 |
| c. A <b>tablet</b> that is only for your use                                 | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155280 |
| d. A <b>tablet</b> that is shared between you and others                     | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155281 |
| e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use         | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155285 |
| f. A <b>smartphone</b> that is only for your use                             | <input type="radio"/> Ⓐ | <input type="radio"/> Ⓑ | VH155287 |

Section 5

VH155339

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

VH155345

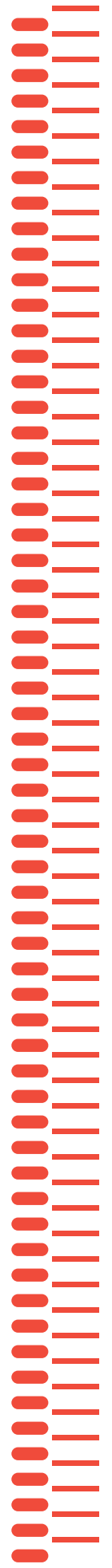
4. When did you first use a **tablet**?

- Ⓐ 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

VH155351

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



VH155330

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

VH155332

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

Section 5

VH155373

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 | <input type="radio"/> A | <input type="radio"/> B | VH155375 |
| b. How to write sentences and paragraphs using a computer       | <input type="radio"/> A | <input type="radio"/> B | VH155376 |
| c. How to edit text using a computer                            | <input type="radio"/> A | <input type="radio"/> B | VH176918 |
| d. How to search for information on the Internet                | <input type="radio"/> A | <input type="radio"/> B | VH155377 |
| e. How to use a tablet  | <input type="radio"/> A | <input type="radio"/> B | VH155378 |
| f. How to draw a picture using a computer                       | <input type="radio"/> A | <input type="radio"/> B | VH155379 |
| g. How to look up the meaning of a word using a computer        | <input type="radio"/> A | <input type="radio"/> B | VH155380 |
| h. How to create a spreadsheet using a computer                 | <input type="radio"/> A | <input type="radio"/> B | VH155381 |
| i. How to create a presentation using a computer                | <input type="radio"/> A | <input type="radio"/> B | VH155382 |
| j. How to run simulations using a computer                      | <input type="radio"/> A | <input type="radio"/> B | VH155384 |
| k. How to write a computer program or app                       | <input type="radio"/> A | <input type="radio"/> B | VH155385 |
| l. How to create a graph or chart using a computer              | <input type="radio"/> A | <input type="radio"/> B | VH155386 |
| m. How to maintain a website or blog                            | <input type="radio"/> A | <input type="radio"/> B | VH155387 |
| n. How to install new software or apps                          | <input type="radio"/> A | <input type="radio"/> B | VH155388 |
| o. How to troubleshoot problems with a computer                 | <input type="radio"/> A | <input type="radio"/> B | VH155383 |



VH155477

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 |

VH196393

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).

VH196403

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.

Section 5

VH155495

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155496
b. Write a paper for school that was longer than a page	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155497
c. Search the Internet for a school project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155498
d. Practice things in <b>mathematics</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176943
e. Practice things in <b>reading</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176945
f. Take a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176946
g. Create a map	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224684
h. Work on a website or blog that you maintain	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224685
i. Create a multimedia presentation <i>on your own</i>	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155525
b. Write a paper for school that was longer than a page	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155528
c. Search the Internet for a school project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155527
d. Practice things in <b>mathematics</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176938
e. Practice things in <b>reading</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176925
f. Take a test	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176927
g. Create a map	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224714
h. Work on a website or blog that you maintain	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224720
i. Create a multimedia presentation <i>on your own</i>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224725



VH155541

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.

VH155884

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.

VH176951

16. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer



VH155799

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH176967
b. Edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH176970
d. Look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155810
e. Draw a picture using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155811
f. View or download digital media	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155800
g. Create a presentation using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155820
h. Create a spreadsheet using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155802
i. Install new software or apps	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155805
k. Maintain a website or blog	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155806
l. Search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155807
m. Run simulations using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155808
n. Create a graph or chart using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155809
o. Write a computer program or app	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155812
p. Troubleshoot a problem with a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH224738

Section 5

VH155876

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



VH155881

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.

VH155887

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?**

- (A) 0
- (B) 1
- (C) 2
- (D) 3
- (E) 4
- (F) 5
- (G) 6
- (H) 7
- (I) 8
- (J) 9
- (K) 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?**

- (A) 0
- (B) 1
- (C) 2
- (D) 3
- (E) 4
- (F) 5
- (G) 6
- (H) 7
- (I) 8
- (J) 9
- (K) 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155751
b. Wi-Fi	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155752
c. Firewall	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155753
d. Hyperlink	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155756
e. Neuro-digital computing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155757
f. Instant messaging	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155758
g. CPU	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155759
h. Track changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155760
i. Cut and paste	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155761
j. Pyramidal browser	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155762
k. Pivot table	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155763
l. Spreadsheet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155765
m. Limbic wire	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155766
n. Spinalbyte	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155767
o. Cloud computing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155768
p. Server	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155769
q. Root directory	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155770
r. Compiler	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155771
s. ASCII	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155772
t. Callosum board	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155779





# **Appendix F-1an: 2018 Cognitive Interviews Grade 4 Household Composition**

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)
Hcomp_01b		In the last month, how many different homes have you been living in? If you have moved in the last month, do not count the home where you used to live.	One home	Two homes	Three or more homes

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)
Hcomp_02_00		Think about all the people who live with you in your home and answer the following questions. Do not include yourself. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02_02	b.	How many adults (18 and older) live with you?	N/A	B	C	D

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)
Hcomp_02a_00		You said you live in more than one home. Think about all the people who live with you in one of these homes and answer the following questions. Do not include yourself. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02a_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02a_02	b.	How many adults (18 and older) live with you?	A	B	C	D

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)
Hcomp_02b_00		You have told us about the people in one of your homes. Now think about all the people who live with you in your other home and answer the following questions. Do not include yourself. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02b_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02b_02	b.	How many adults (18 and older) live with you?	A	B	C	D

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)	Draft Response Option E (03/02/2018)
Hcomp_03		You just answered questions about people that live with you. How many of the adults that live with you are taking care of you?	1	2	3	4	More than 4

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)	Draft Response Option E (03/02/2018)	Draft Response Option F (03/02/2018)	Draft Response Option G (03/02/2018)
Hcomp_04a		You said one adult is taking care of you. How is this adult related to you?	Mother / Step-mother / Foster mother / Grandmother or aunt / Other female adult (Please specify: _____) / Father / Step-father / Foster father / Grandfather or uncle / Other male adult (Please specify: _____)						

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)	Draft Response Option E (03/02/2018)	Draft Response Option F (03/02/2018)	Draft Response Option G (03/02/2018)
Hcomp_04b		You said more than one adult is taking care of you. Think about the first adult (you can tell us about up to four adults). We will call them Adult #1. How is Adult #1 related to you?	Mother / Step-mother / Foster mother / Grandmother or aunt / Other female adult (Please specify: _____) / Father / Step-father / Foster father / Grandfather or uncle / Other male adult (Please specify: _____)						

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)	Draft Response Option E (03/02/2018)	Draft Response Option F (03/02/2018)	Draft Response Option G (03/02/2018)
Hcomp_04c		Think about the [second/third/fourth] adult taking care of you. We will call them Adult #[X]. How is Adult #[X] related to you?	Mother / Step-mother / Foster mother / Grandmother or aunt / Other female adult (Please specify: _____) / Father / Step-father / Foster father / Grandfather or uncle / Other male adult (Please specify: _____)						

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)	Draft Response Option D (03/02/2018)	Draft Response Option E (03/02/2018)
CrgvrEd_01		How far in school did [your mother / your step-mother / your foster mother / your grandmother or aunt / your female relative taking care of you / your female adult taking care of you / your father / your step-father / your foster father / your grandfather or uncle / your male relative taking care of you / your male adult taking care of you] go?	[She/He] did not finish high school	[She/He] graduated from high school or high school degree	[She/He] had some college but did not graduate	[She/He] graduated from college	I don't know.

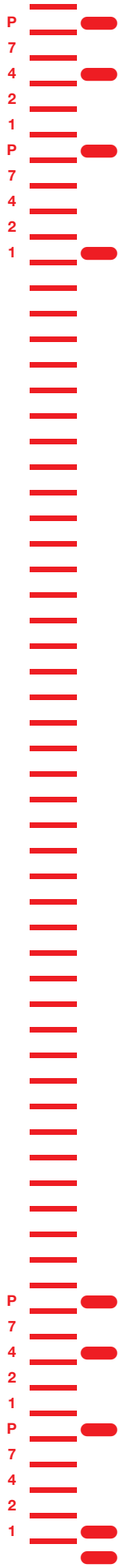
AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)
CrgvrEmp_01		In the last month, has [your mother / your step-mother / your foster mother / your grandmother or aunt / your female relative taking care of you / your female adult taking care of you / your father / your step-father / your foster father / your grandfather or uncle / your male relative taking care of you / your male adult taking care of you] worked for pay?	Yes	No	I don't know.

AccNum (03/02/2018)	Sub-Item Letters	Draft Item Wording (03/02/2018)	Draft Response Option A (03/02/2018)	Draft Response Option B (03/02/2018)	Draft Response Option C (03/02/2018)
CrgvrEmp_04		In the last month, did [your mother / your step-mother / your foster mother / your grandmother or aunt / your female relative taking care of you / your female adult taking care of you / your father / your step-father / your foster father / your grandfather or uncle / your male relative taking care of you / your male adult taking care of you] work at one job, or did this adult work at two or more jobs?	One job	Two or more jobs	I don't know.

## **Appendix F-1ao: 2015 Student Grade 4 Core**

Student Grade 4 Core Questions

*The amount of time estimated to complete this form is 5 minutes.*



# 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

VB331331

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

2. Which of the following best describes you? 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.

- Ⓐ 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

VE102537

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

--	--	--	--	--

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



## **Appendix F-1ap: 2015 Student Grade 8 Core**

Student Grade 8 Core Questions

*The amount of time estimated to complete this form is 5 minutes.*

P  
7  
4  
2  
1  
P  
7  
4  
2  
1

P  
7  
4  
2  
1

P  
7  
4  
2  
1

# 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

VB331331

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

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

- (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.

- (A) White
- (B) Black or African American
- (C) Asian
- (D) American Indian or Alaska Native
- (E) 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.

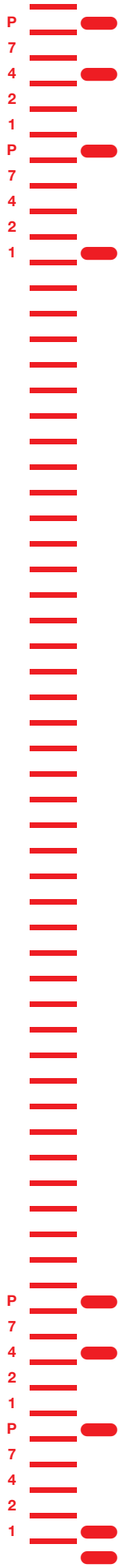
--	--	--	--	--



## **Appendix F-1a: 2015 Student Grade 12 Core**

Student Grade 12 Core Questions

*The amount of time estimated to complete this form is 5 minutes.*



# 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

VB331331

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

2. Which of the following best describes you? 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.

- Ⓐ 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.

--	--	--	--	--



## **Appendix F-2: Teacher Questionnaires**

**Table F.b.** Assessment years for the teacher survey questionnaires and appendix parts.

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 4 Core (BET)	X	X	F-2a	2017 Operational Grade 4 Core (BET)	Appendix F-2a
			F-2b	2018 Pilot Grade 4 Core (BET)	Appendix I-2c
			F-2c	2018 Cognitive Interviews Grade 4 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Core (BET)	X	X	F-2d	2018 Cognitive Interviews Grade 8 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Core (BET-Reading/Writing)	X	X	F-2e	2017 Operational Grade 8 Core (BET-Reading/ Writing)	Appendix F-2c
			F-2f	2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)	Appendix F-2g
Grade 8 Core (BET-Mathematics)	X	X	F-2g	2017 Operational Grade 8 Core (BET-Mathematics)	Appendix F-2d
			F-2h	2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)	Appendix F-2g
Grade 8 Core (BET-Science)	X		F-2i	2018 Pilot Grade 8 Core (BET-Science)	Appendix I-2d
Grade 8 Core (BET-Social Studies)		X	F-2j	2018 Operational Grade 8 Core (BET-Social Studies)	Appendix I-2b
Grade 4 Reading	X		F-2k	2017 Operational Grade 4 Reading (COI)	Appendix F-2h
			F-2l	2018 Cognitive Interviews Grade 4 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Reading	X		F-2m	2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)	Appendix F-2g
			F-2n	2017 Operational Grade 8 Reading	Appendix F-2i
			F-2o	2018 Cognitive Interviews Grade 8 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 4 Mathematics	X	X	F-2p	2017 Operational Grade 4 Mathematics (COI)	Appendix F-2j
			F-2q	2018 Cognitive Interviews Grade 4 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 8 Mathematics	X	X	F-2r	2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)	Appendix F-2g
			F-2s	2017 Operational Grade 8 Mathematics (COI)	Appendix F-2k
			F-2t	2018 Cognitive Interviews Grade 8 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 4 Science	X		F-2u	2018 Pilot Grade 4 Science (COI)	Appendix I-2f
Grade 8 Science	X		F-2v	2018 Pilot Grade 8 Science (COI)	Appendix I-2g
Grade 4 Writing		X	F-2w	2017 Operational Grade 4 Writing (COI)	Appendix F-2p
Grade 8 Writing		X	F-2x	2017 Operational Grade 8 Writing (COI)	Appendix F-2q
Grade 8 Social Studies		X	F-2y	2018 Operational Grade 8 Social Studies (COI)	Appendix I-2i
Grade 12 Economics		X	F-2z	2012 Operational Grade 12 Economics-Department Head	The National Assessment of Educational Progress Wave 2 Submittal for 2012 Volume II, Part 4, Economics Department Chair Questionnaire for 2012 Assessment
Grade 4 NIES	X		F-2aa	2015 Operational Grade 4 NIES	Appendix F-2s
Grade 8 NIES	X		F-2ab	2015 Operational Grade 8 NIES	Appendix F-2t
Grade 4 & 8 CAFS	X		F-2ac	2019 Operational Grade 4 & 8 CAFS	New material under consideration for pretesting
Grade 4 & 8 Giving Back	X	X	F-2ad	2017 Operational Grade 4 & 8 Giving Back Items	Appendix F-2u

## **Appendix F-2a: 2017 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

4. Have you been awarded tenure by the school or district where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school or district 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?

- Ⓐ 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.

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 non-teachers 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	VH241758
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241754
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241784
d. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241760
e. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241761
f. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241776
g. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241762
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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	VH241791
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241789
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241810
d. Mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241792
e. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241793
f. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241794
g. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241795
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

12. 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	VH241843
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH241844
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH241847
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH241853

13. 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	VH241900
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH241901
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH241904
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH241910

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

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

15. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers  
 B Yes, to some teachers  
 C No

16. In this school year, have you participated in training on computers or other digital devices through your school?
- Ⓐ No
  - Ⓑ Once
  - Ⓒ Twice
  - Ⓓ Several times

17. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

18. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.
- Ⓐ Desktop computers
  - Ⓑ Laptop computers (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

20. How well do the **desktop 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.
- Ⓔ I don't know.

21. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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

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 discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304736
d. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH304740

24. 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

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

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



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

	<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. Being intelligent	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH329967
b. Putting forth a lot of effort	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH329968
c. Behaving well in class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH329970

**Appendix F-2b: 2018 Pilot Grade 4 Core (BET)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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.

3. 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

4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. Have you been awarded tenure by the school, district, or diocese where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school, district, or diocese 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 non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- A Yes
- B 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.)

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

9. What is the highest academic degree you hold?

- A High school diploma
- B Associate's degree/vocational certification
- C Bachelor's degree
- D Master's degree
- E Education specialist's or professional diploma based on at least one year's work past master's degree
- F Doctorate
- G 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	VH241768
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241769
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241770
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241771
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241772
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241780
g. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241762
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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	VH241798
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241799
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241800
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241801
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241802
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241806
g. Education (including elementary or early childhood)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241795
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

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

	Yes	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	VH736192
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH736193
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH736196
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH736202

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

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

15. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers
- B Yes, to some teachers
- C No

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

- A No
- B Once
- C Twice
- D Several times



17. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

18. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.
- Ⓐ Desktop computers
  - Ⓑ Laptop computers (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

20. How well do the **desktop 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.
  - Ⓔ I don't know.

21. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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

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

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

24. 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.	(A)	(B)	(C)	(D)	VH262653
b. Classrooms are overcrowded.	(A)	(B)	(C)	(D)	VH262654
c. Teachers have too many teaching hours.	(A)	(B)	(C)	(D)	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(A)	(B)	(C)	(D)	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	(B)	(C)	(D)	VH262657

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

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

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

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

## **Appendix F-2c: 2018 Cognitive Interviews Grade 4 Core**

1. What is the highest academic degree you hold?

- Ⓐ High school diploma
- Ⓑ Associate’s degree/vocational certification
- Ⓒ Bachelor’s degree
- Ⓓ Master’s degree
- Ⓔ Education specialist degree
- Ⓕ Professional degree or diploma based on at least one year’s work past master’s degree
- Ⓖ Doctor of Education degree (i.e., Ed.D.)
- Ⓗ Other doctoral degree (e.g., Ph.D, D.F.A., D.Sc)

2. 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 have not needed training in this area.	No, I have not received training from any source in this area.	Yes	
a. Basic computer training	Ⓐ	Ⓑ	Ⓒ	VH812663
b. Software applications	Ⓐ	Ⓑ	Ⓒ	VH812664
c. Use of the Internet	Ⓐ	Ⓑ	Ⓒ	VH812665
d. Use of other digital devices (e.g., tablets, mobile devices, Chromebooks, smart boards)	Ⓐ	Ⓑ	Ⓒ	VH812666
e. Integration of computers and other digital devices into classroom instruction	Ⓐ	Ⓑ	Ⓒ	VH812667

3. At the end of this school year, approximately what percentage of your students will be prepared for the next school year?
- Ⓐ 0–10%
  - Ⓑ 11–25%
  - Ⓒ 26–50%
  - Ⓓ 51–75%
  - Ⓔ 76–90%
  - Ⓕ Over 90%

## **Appendix F-2d: 2018 Cognitive Interviews Grade 8 Core**



## 2018 Cog Lab Teacher Core

VH812654

1. What is the highest academic degree you hold?

- Ⓐ High school diploma
- Ⓑ Associate's degree/vocational certification
- Ⓒ Bachelor's degree
- Ⓓ Master's degree
- Ⓔ Education specialist degree
- Ⓕ Professional degree or diploma based on at least one year's work past master's degree
- Ⓖ Doctor of Education degree (i.e., Ed.D.)
- Ⓗ Other doctoral degree (e.g., Ph.D, D.F.A., D.Sc)

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

VH812662

	No, I have not needed training in this area.	No, I have not received training from any source in this area.	Yes	
a. Basic computer training	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VH812663
b. Software applications	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VH812664
c. Use of the Internet	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VH812665
d. Use of other digital devices (e.g., tablets, mobile devices, Chromebooks, smart boards)	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VH812666
e. Integration of computers and other digital devices into classroom instruction	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	VH812667

3. At the end of this school year, approximately what percentage of your students will be prepared for the next school year?

- Ⓐ 0–10%
- Ⓑ 11–25%
- Ⓒ 26–50%
- Ⓓ 51–75%
- Ⓔ 76–90%
- Ⓕ Over 90%

**Appendix F-2e: 2017 Operational Grade 8 Core (BET-Reading/  
Writing)**

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 or district where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school or district 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 non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- A Yes
- B 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.)

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

9. What is the highest academic degree you hold?

- A High school diploma
- B Associate's degree/vocational certification
- C Bachelor's degree
- D Master's degree
- E Education specialist's or professional diploma based on at least one year's work past master's degree
- F Doctorate
- G 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	VH241758
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241754
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241784
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241767
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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	VH241791
b. English	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241789
c. Other language arts-related subject	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241810
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241797
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

13. 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	VH241843
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH241844
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH241847
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH241853



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

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

15. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers
- B Yes, to some teachers
- C No

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

- A No
- B Once
- C Twice
- D Several times

17. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

18. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.
- Ⓐ Desktop computers
  - Ⓑ Laptop computers (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

20. How well do the **desktop 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.
  - Ⓔ I don't know.

21. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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

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

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

24. 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.	(A)	(B)	(C)	(D)	VH262653
b. Classrooms are overcrowded.	(A)	(B)	(C)	(D)	VH262654
c. Teachers have too many teaching hours.	(A)	(B)	(C)	(D)	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(A)	(B)	(C)	(D)	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	(B)	(C)	(D)	VH262657

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

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

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

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

**Appendix F-2f: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)**

1. 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.

If you do not teach Reading, please do not answer the next 2 questions.

2. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

VH334360

	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 student groups with different achievement levels.	(A)	(B)	(C)	(D)	(E)	VH548665
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 differentiated instruction for reading (i.e., instruction tailored to student ability and learning style).	(A)	(B)	(C)	(D)	(E)	VH562894
g. I ask students to work independently on an assignment or task.	(A)	(B)	(C)	(D)	(E)	VH548666
h. I ask students to work independently on a task they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH548667
i. Other strategies (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH562900



3. 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.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547868
b. Build reading fluency	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617114
c. Build reading comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617116
d. Access reading-related websites	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547871
e. Conduct research for projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547872

If you do not teach Mathematics, please do not answer the next 4 questions.

4. In your mathematics class this year, do you use any of the following instructional materials during instruction? Select **one** circle in each row.

VH548937

	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	Ⓐ	Ⓑ	Ⓒ	VH548938
b. Other materials provided by your district or school	Ⓐ	Ⓑ	Ⓒ	VH548939
c. Materials found on the Internet	Ⓐ	Ⓑ	Ⓒ	VH548940
d. Printed workbooks	Ⓐ	Ⓑ	Ⓒ	VH548947
e. Digital manipulatives	Ⓐ	Ⓑ	Ⓒ	VH548942
f. Physical manipulatives (for example, ruler, protractor, compass)	Ⓐ	Ⓑ	Ⓒ	VH548945
g. Digital games	Ⓐ	Ⓑ	Ⓒ	VH548948
h. Interactive whiteboard	Ⓐ	Ⓑ	Ⓒ	VH548944
i. Other materials not listed above (Please specify): ___	Ⓐ	Ⓑ	Ⓒ	VH548941

5. 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. Use clear and precise language to discuss problem solving and reasoning	(A)	(B)	(C)	(D)	(E)	VH562965
b. Use models to explain calculations	(A)	(B)	(C)	(D)	(E)	VH562966
c. Represent a problem in multiple ways including using numbers, words, pictures, and charts	(A)	(B)	(C)	(D)	(E)	VH562967
d. Use models to examine real-life and mathematical examples	(A)	(B)	(C)	(D)	(E)	VH549099
e. Evaluate a problem-solving process	(A)	(B)	(C)	(D)	(E)	VH562983
f. Create equations	(A)	(B)	(C)	(D)	(E)	VH562985
g. Relate what your students know to the real world and make sense of it mathematically	(A)	(B)	(C)	(D)	(E)	VH562988
h. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	(A)	(B)	(C)	(D)	(E)	VH562989
i. Evaluate the conclusions of other students	(A)	(B)	(C)	(D)	(E)	VH549107
j. Examine patterns in tables and graphs to describe relationships	(A)	(B)	(C)	(D)	(E)	VH562991

6. 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.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Posing questions during a lesson that will help students to reason and make sense of mathematical connections and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547431
b. Using overall learning goals to guide instructional decisions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547434
c. Building procedural understanding to encourage the use of multiple problem-solving strategies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547433
d. Providing opportunities for students to productively struggle with mathematical ideas and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547432

7. 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. Use definitions and notation precisely	(A)	(B)	(C)	(D)	(E)	VH547462
b. Justify and explain their reasoning	(A)	(B)	(C)	(D)	(E)	VH547463
c. Identify and correct flawed mathematical reasoning	(A)	(B)	(C)	(D)	(E)	VH547464
d. Construct arguments using tables, graphs, or diagrams	(A)	(B)	(C)	(D)	(E)	VH547468
e. Make, test, and validate conjectures	(A)	(B)	(C)	(D)	(E)	VH547466
f. Use examples or counterexamples to support or refute a mathematical conjecture	(A)	(B)	(C)	(D)	(E)	VH547467
g. Engage in deductive reasoning and informal proofs	(A)	(B)	(C)	(D)	(E)	VH547465

8. In your mathematics class this year, how often do you use each of the following strategies when teaching? 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 mathematics as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617289
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617290
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617291
d. I allow students to choose their own group.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617292

## **Appendix F-2g: 2017 Operational Grade 8 Core (BET-Mathematics)**

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 or district where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school or district 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 non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)

- A Yes
- B 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.)

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

9. What is the highest academic degree you hold?

- A High school diploma
- B Associate's degree/vocational certification
- C Bachelor's degree
- D Master's degree
- E Education specialist's or professional diploma based on at least one year's work past master's degree
- F Doctorate
- G 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	VH241760
b. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241761
c. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241776
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241767
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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	VH241792
b. Mathematics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241793
c. Other mathematics-related subject such as statistics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241794
d. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241797
e. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
f. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

13. 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	VH241900
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH241901
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH241904
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH241910

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

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

15. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers
- B Yes, to some teachers
- C No

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

- A No
- B Once
- C Twice
- D Several times

17. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

18. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.
- Ⓐ Desktop computers
  - Ⓑ Laptop computers (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

20. How well do the **desktop 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.
  - Ⓔ I don't know.

21. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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

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

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

24. 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.	(A)	(B)	(C)	(D)	VH262653
b. Classrooms are overcrowded.	(A)	(B)	(C)	(D)	VH262654
c. Teachers have too many teaching hours.	(A)	(B)	(C)	(D)	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(A)	(B)	(C)	(D)	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	(B)	(C)	(D)	VH262657



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

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

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

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

**Appendix F-2h: 2017 Pilot Grade 8 Core, Reading, Mathematics  
(All subjects)**

1. 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.

If you do not teach Reading, please do not answer the next 2 questions.

2. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

VH334360

	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 student groups with different achievement levels.	(A)	(B)	(C)	(D)	(E)	VH548665
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 differentiated instruction for reading (i.e., instruction tailored to student ability and learning style).	(A)	(B)	(C)	(D)	(E)	VH562894
g. I ask students to work independently on an assignment or task.	(A)	(B)	(C)	(D)	(E)	VH548666
h. I ask students to work independently on a task they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH548667
i. Other strategies (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH562900

3. 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.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547868
b. Build reading fluency	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617114
c. Build reading comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617116
d. Access reading-related websites	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547871
e. Conduct research for projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547872

If you do not teach Mathematics, please do not answer the next 4 questions.

4. In your mathematics class this year, do you use any of the following instructional materials during instruction? Select **one** circle in each row.

VH548937

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548938
b. Other materials provided by your district or school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548939
c. Materials found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548940
d. Printed workbooks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548947
e. Digital manipulatives	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548942
f. Physical manipulatives (for example, ruler, protractor, compass)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548945
g. Digital games	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548948
h. Interactive whiteboard	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548944
i. Other materials not listed above (Please specify): ___	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548941

5. 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. Use clear and precise language to discuss problem solving and reasoning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562965
b. Use models to explain calculations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562966
c. Represent a problem in multiple ways including using numbers, words, pictures, and charts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562967
d. Use models to examine real-life and mathematical examples	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549099
e. Evaluate a problem-solving process	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562983
f. Create equations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562985
g. Relate what your students know to the real world and make sense of it mathematically	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562988
h. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562989
i. Evaluate the conclusions of other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549107
j. Examine patterns in tables and graphs to describe relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562991

6. 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.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Posing questions during a lesson that will help students to reason and make sense of mathematical connections and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547431
b. Using overall learning goals to guide instructional decisions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547434
c. Building procedural understanding to encourage the use of multiple problem-solving strategies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547433
d. Providing opportunities for students to productively struggle with mathematical ideas and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547432



7. 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. Use definitions and notation precisely	(A)	(B)	(C)	(D)	(E)	VH547462
b. Justify and explain their reasoning	(A)	(B)	(C)	(D)	(E)	VH547463
c. Identify and correct flawed mathematical reasoning	(A)	(B)	(C)	(D)	(E)	VH547464
d. Construct arguments using tables, graphs, or diagrams	(A)	(B)	(C)	(D)	(E)	VH547468
e. Make, test, and validate conjectures	(A)	(B)	(C)	(D)	(E)	VH547466
f. Use examples or counterexamples to support or refute a mathematical conjecture	(A)	(B)	(C)	(D)	(E)	VH547467
g. Engage in deductive reasoning and informal proofs	(A)	(B)	(C)	(D)	(E)	VH547465

8. In your mathematics class this year, how often do you use each of the following strategies when teaching? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. I teach mathematics as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617289
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617290
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617291
d. I allow students to choose their own group.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617292

## **Appendix F-2i: 2018 Pilot Grade 8 Core (BET-Science)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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.

3. 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

4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

- Ⓐ Less than 1 year
- Ⓑ 1–2 years
- Ⓒ 3–5 years
- Ⓓ 6–10 years
- Ⓔ 11–20 years
- Ⓕ 21 or more years

5. 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

6. Have you been awarded tenure by the school, district, or diocese where you currently teach?

- Ⓐ Yes
- Ⓑ No
- Ⓒ My school, district, or diocese does not award tenure.

7. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?
- Ⓐ Yes, I hold a permanent certificate.
  - Ⓑ 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.

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

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

- Ⓐ Yes
- Ⓑ No

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

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? 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	VH241768
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241769
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241770
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241771
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241772
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241780
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241767
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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

- A Yes
- B No → *Question 13 is not applicable and will be skipped.*



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

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241798
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241799
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241800
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241801
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241802
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241806
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241797
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

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

	Yes	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	VH736192
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH736193
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH736196
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH736202

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	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

16. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers
- B Yes, to some teachers
- C No

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

- A No
- B Once
- C Twice
- D Several times

18. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

20. 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 (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

21. How well do the **desktop 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.
  - Ⓔ I don't know.

22. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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

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

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

25. 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.	(A)	(B)	(C)	(D)	VH262653
b. Classrooms are overcrowded.	(A)	(B)	(C)	(D)	VH262654
c. Teachers have too many teaching hours.	(A)	(B)	(C)	(D)	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(A)	(B)	(C)	(D)	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	(B)	(C)	(D)	VH262657

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

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

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

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

**Appendix F-2j: 2018 Operational Grade 8 Core (BET-Social  
Studies)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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.

3. 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



4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?
- Ⓐ Less than 1 year
  - Ⓑ 1–2 years
  - Ⓒ 3–5 years
  - Ⓓ 6–10 years
  - Ⓔ 11–20 years
  - Ⓕ 21 or more years

5. Excluding student teaching, how many years have you taught civics, geography, history, or social studies 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. Have you been awarded tenure by the school, district, or diocese where you currently teach?
- Ⓐ Yes
  - Ⓑ No
  - Ⓒ My school, district, or diocese does not award tenure.

7. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?
- Ⓐ Yes, I hold a permanent certificate.
  - Ⓑ 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.

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

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

- Ⓐ Yes
- Ⓑ No

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

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? Select **one** circle in each row.

	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	VH614158
b. Geography or geography education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH614159
c. Political science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH614160
d. General social science or social studies education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH614162
e. Other social science (for example, economics, sociology, psychology, anthropology)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH614164
f. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241767
g. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
h. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

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

- A Yes
- B No → Question 13 is not applicable and will be skipped.

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

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

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

	Yes	No	
a. College course taken after your first certification	<input type="radio"/> A	<input type="radio"/> B	VH614381
b. Workshop or training session	<input type="radio"/> A	<input type="radio"/> B	VH614382
c. Mentoring and/or peer observation and coaching as part of a formal arrangement	<input type="radio"/> A	<input type="radio"/> B	VH614383
d. Co-teaching/team teaching	<input type="radio"/> A	<input type="radio"/> B	VH614385

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	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
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	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

16. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers
- B Yes, to some teachers
- C No

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

- A No
- B Once
- C Twice
- D Several times

18. In this school year, did your school provide you with a **laptop computer** (including Chromebooks) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

19. In this school year, did your school provide you with a **tablet** (for example, Surface Pro, iPad, Kindle Fire) to use for teaching and class preparation?
- Ⓐ Yes, and I can take it home.
  - Ⓑ Yes, but I cannot take it home.
  - Ⓒ No

20. 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 (including Chromebooks)
  - Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire)
  - Ⓓ Other digital devices (Please specify): \_\_\_\_\_

21. How well do the **desktop 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.
  - Ⓔ I don't know.

22. How well do the **laptop computers** (including Chromebooks) in your school work?

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

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

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



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

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

25. 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.	(A)	(B)	(C)	(D)	VH262653
b. Classrooms are overcrowded.	(A)	(B)	(C)	(D)	VH262654
c. Teachers have too many teaching hours.	(A)	(B)	(C)	(D)	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	(A)	(B)	(C)	(D)	VH262656
e. Teachers do not have adequate instructional materials and supplies.	(A)	(B)	(C)	(D)	VH262657

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

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

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

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

## **Appendix F-2k: 2017 Operational Grade 4 Reading (COI)**

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. *Questions 2–11 are not applicable and will be skipped.*
- Ⓑ 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? Enter the number of students.

3. 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

4. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240523
b. Literary nonfiction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240524
c. Poetry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240528
d. Exposition	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240526
e. Argumentation and persuasion	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240527
f. Procedural texts and documents	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240525

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH261231
b. Interpret the meaning of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH261232
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	<input type="radio"/> E	VH261233
d. Identify the main ideas of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH261235
e. Identify the themes of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH335897
f. Analyze two or more texts on the same topic	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> 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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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. 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

8. 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



9. 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	(A)	(B)	(C)	(D)	(E)	VH262482
b. Build reading fluency	(A)	(B)	(C)	(D)	(E)	VH617099
c. Build reading comprehension	(A)	(B)	(C)	(D)	(E)	VH617100
d. Practice spelling and grammar	(A)	(B)	(C)	(D)	(E)	VH262485
e. Access reading-related websites	(A)	(B)	(C)	(D)	(E)	VH262487
f. Conduct research for reading projects	(A)	(B)	(C)	(D)	(E)	VH262488

10. 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

11. 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

## **Appendix F-2l: 2018 Cognitive Interviews Grade 4 Reading**

1. This school year, to what extent have you emphasized the following tasks 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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812042
b. Integrate and interpret (e.g., make comparisons, explain character motivation, or examine relations of ideas across the text)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812044
c. Critique and evaluate (e.g., evaluate text critically from many perspectives or evaluate overall text quality)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812047

2. To what extent have you provided instruction in the following types of text 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812465
b. Literary nonfiction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812466
c. Poetry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812469
d. Exposition	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812470
e. Argumentation and persuasion	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812471
f. Procedural texts and documents	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812473
g. Mixed media texts (e.g., texts including images, infographics, or animations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812477

3. When you teach English/language arts, how often do you use the following pedagogical techniques or tools? 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)	VH812171
b. I create student groups with the same achievement level.	(A)	(B)	(C)	(D)	(E)	VH812172
c. I create student groups with mixed achievement levels.	(A)	(B)	(C)	(D)	(E)	VH812418
d. I create groups by random assignment.	(A)	(B)	(C)	(D)	(E)	VH812421
e. I allow students to choose their own groups.	(A)	(B)	(C)	(D)	(E)	VH812425
f. I use individualized instruction for reading.	(A)	(B)	(C)	(D)	(E)	VH812426
g. Students work independently on an assigned plan or goal.	(A)	(B)	(C)	(D)	(E)	VH812428
h. Students work independently on a goal they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH812429
i. Students use self-paced reading programs or apps.	(A)	(B)	(C)	(D)	(E)	VH812430
j. I create opportunities for students to participate in online book clubs.	(A)	(B)	(C)	(D)	(E)	VH812431
k. Students collaborate with peers and experts through the Internet or other digital connections.	(A)	(B)	(C)	(D)	(E)	VH812433

4. 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 or soft cover/paperback textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	VH812584
b. Electronic textbooks, workbooks or worksheets	Ⓐ	Ⓑ	Ⓒ	VH812586
c. Children's books (e.g., novels, collections of stories, nonfiction, graphic novels)	Ⓐ	Ⓑ	Ⓒ	VH812587
d. Materials from different curricular areas	Ⓐ	Ⓑ	Ⓒ	VH812589
e. Children's newspapers and/or magazines	Ⓐ	Ⓑ	Ⓒ	VH812590
f. Reading-related websites or apps	Ⓐ	Ⓑ	Ⓒ	VH812593
g. Reading-related educational games	Ⓐ	Ⓑ	Ⓒ	VH812594
h. Materials found on the Internet	Ⓐ	Ⓑ	Ⓒ	VH812598
i. Mixed media texts (e.g., texts including images, infographics, or animations)	Ⓐ	Ⓑ	Ⓒ	VH812599

5. When reading a story, article, or other passage with your students, how often do you ask your students to do the following activities? Select **one** circle in each row.

	Never or hardly ever	Once in a while	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	<input type="radio"/> E	VH811995
b. Interpret the meaning of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH811997
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	<input type="radio"/> E	VH811998
d. Identify the main ideas of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812000
e. Identify the themes of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812001
f. Analyze two or more texts on the same topic	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812005
g. Evaluate the main evidence in a persuasive/argument passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812008
h. 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	<input type="radio"/> E	VH812009
i. Critique the author's craft or technique	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812011
j. Analyze the author's use of mixed media (e.g., texts including images, infographics, or animations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812013



6. In your fourth-grade English/language arts class this year, how often do your students do each of the following activities? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Build and practice vocabulary	(A)	(B)	(C)	(D)	(E)	VH812077
b. Build reading fluency	(A)	(B)	(C)	(D)	(E)	VH812078
c. Build reading comprehension	(A)	(B)	(C)	(D)	(E)	VH812083
d. Practice spelling, grammar, capitalization, punctuation, and other mechanics	(A)	(B)	(C)	(D)	(E)	VH812084
e. Access reading-related websites	(A)	(B)	(C)	(D)	(E)	VH812086
f. Conduct research for reading projects	(A)	(B)	(C)	(D)	(E)	VH812088
g. Read something they have chosen themselves	(A)	(B)	(C)	(D)	(E)	VH812089
h. Work in pairs or small groups to talk about something they have read	(A)	(B)	(C)	(D)	(E)	VH812091
i. Build background knowledge with online resources and media	(A)	(B)	(C)	(D)	(E)	VH812112

7. How well has your teacher preparation program prepared you to teach students with the following attributes? Select **one** circle in each row.

	Not well at all	A little	Somewhat	Quite a bit	Extremely well	
a. Students lacking prerequisite knowledge or skills	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812546
b. Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812547
c. Disruptive students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812549
d. Uninterested students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812550
e. English-language learners (ELL)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812551
f. Gifted and talented students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812553

**Appendix F-2m: 2017 Pilot Grade 8 Core, Reading, Mathematics  
(All subjects)**

1. 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.

If you do not teach Reading, please do not answer the next 2 questions.

2. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

VH334360

	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 student groups with different achievement levels.	(A)	(B)	(C)	(D)	(E)	VH548665
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 differentiated instruction for reading (i.e., instruction tailored to student ability and learning style).	(A)	(B)	(C)	(D)	(E)	VH562894
g. I ask students to work independently on an assignment or task.	(A)	(B)	(C)	(D)	(E)	VH548666
h. I ask students to work independently on a task they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH548667
i. Other strategies (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH562900

3. 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.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547868
b. Build reading fluency	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617114
c. Build reading comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617116
d. Access reading-related websites	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547871
e. Conduct research for projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547872

If you do not teach Mathematics, please do not answer the next 4 questions.

4. In your mathematics class this year, do you use any of the following instructional materials during instruction? Select **one** circle in each row.

VH548937

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548938
b. Other materials provided by your district or school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548939
c. Materials found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548940
d. Printed workbooks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548947
e. Digital manipulatives	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548942
f. Physical manipulatives (for example, ruler, protractor, compass)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548945
g. Digital games	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548948
h. Interactive whiteboard	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548944
i. Other materials not listed above (Please specify): ___	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH548941

5. 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. Use clear and precise language to discuss problem solving and reasoning	(A)	(B)	(C)	(D)	(E)	VH562965
b. Use models to explain calculations	(A)	(B)	(C)	(D)	(E)	VH562966
c. Represent a problem in multiple ways including using numbers, words, pictures, and charts	(A)	(B)	(C)	(D)	(E)	VH562967
d. Use models to examine real-life and mathematical examples	(A)	(B)	(C)	(D)	(E)	VH549099
e. Evaluate a problem-solving process	(A)	(B)	(C)	(D)	(E)	VH562983
f. Create equations	(A)	(B)	(C)	(D)	(E)	VH562985
g. Relate what your students know to the real world and make sense of it mathematically	(A)	(B)	(C)	(D)	(E)	VH562988
h. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	(A)	(B)	(C)	(D)	(E)	VH562989
i. Evaluate the conclusions of other students	(A)	(B)	(C)	(D)	(E)	VH549107
j. Examine patterns in tables and graphs to describe relationships	(A)	(B)	(C)	(D)	(E)	VH562991



6. 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.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Posing questions during a lesson that will help students to reason and make sense of mathematical connections and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547431
b. Using overall learning goals to guide instructional decisions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547434
c. Building procedural understanding to encourage the use of multiple problem-solving strategies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547433
d. Providing opportunities for students to productively struggle with mathematical ideas and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547432

7. 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. Use definitions and notation precisely	(A)	(B)	(C)	(D)	(E)	VH547462
b. Justify and explain their reasoning	(A)	(B)	(C)	(D)	(E)	VH547463
c. Identify and correct flawed mathematical reasoning	(A)	(B)	(C)	(D)	(E)	VH547464
d. Construct arguments using tables, graphs, or diagrams	(A)	(B)	(C)	(D)	(E)	VH547468
e. Make, test, and validate conjectures	(A)	(B)	(C)	(D)	(E)	VH547466
f. Use examples or counterexamples to support or refute a mathematical conjecture	(A)	(B)	(C)	(D)	(E)	VH547467
g. Engage in deductive reasoning and informal proofs	(A)	(B)	(C)	(D)	(E)	VH547465

8. In your mathematics class this year, how often do you use each of the following strategies when teaching? 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 mathematics as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617289
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617290
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617291
d. I allow students to choose their own group.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617292

## **Appendix F-2n: 2017 Operational Grade 8 Reading (COI)**

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. *Questions 2–12 are not applicable and will be skipped.*
  - Ⓑ 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? Enter the number of students.



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. Which best describes how English/language arts instruction is organized for eighth-grade students at this school? Select **one** circle.
- Ⓐ English/language arts is taught primarily as a discrete subject with little or no integration with instruction in other subjects.
  - Ⓑ Some English/language arts instruction is integrated with other subjects, and some English/language arts instruction is presented as a discrete subject.
  - Ⓒ English/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.

	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. Fiction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240523
b. Literary nonfiction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240524
c. Poetry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240528
d. Exposition	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240526
e. Argumentation and persuasion	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240527
f. Procedural texts and documents	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240525

6. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334295
b. Interpret the meaning of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334296
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	<input type="radio"/> E	VH334299
d. Identify the main ideas of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334298
e. Identify the themes of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH335901
f. Analyze two or more texts on the same topic	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334297
g. Evaluate the main evidence in a persuasive/argument passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334300
h. 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	<input type="radio"/> E	VH334302
i. Critique the author's craft or technique	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH334305

7. 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



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.	(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

9. 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

10. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH262577
b. Build reading fluency	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617489
c. Build reading comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617490
d. Access reading-related websites	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH262579
e. Conduct research for reading projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH262581

11. 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

12. 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

## **Appendix F-2o: 2018 Cognitive Interviews Grade 8 Reading**

1. This school year, to what extent have you emphasized the following tasks 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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812042
b. Integrate and interpret (e.g., make comparisons, explain character motivation, or examine relations of ideas across the text)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812044
c. Critique and evaluate (e.g., evaluate text critically from many perspectives or evaluate overall text quality)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812047

2. To what extent have you provided instruction in the following types of text 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812465
b. Literary nonfiction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812466
c. Poetry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812469
d. Exposition	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812470
e. Argumentation and persuasion	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812471
f. Procedural texts and documents	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812473
g. Mixed media texts (e.g., texts including images, infographics, or animations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH812477

3. When you teach English/language arts, how often do you use the following pedagogical techniques or tools? 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)	VH812171
b. I create student groups with the same achievement level.	(A)	(B)	(C)	(D)	(E)	VH812172
c. I create student groups with mixed achievement levels.	(A)	(B)	(C)	(D)	(E)	VH812418
d. I create groups by random assignment.	(A)	(B)	(C)	(D)	(E)	VH812421
e. I allow students to choose their own groups.	(A)	(B)	(C)	(D)	(E)	VH812425
f. I use individualized instruction for reading.	(A)	(B)	(C)	(D)	(E)	VH812426
g. Students work independently on an assigned plan or goal.	(A)	(B)	(C)	(D)	(E)	VH812428
h. Students work independently on a goal they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH812429
i. Students use self-paced reading programs or apps.	(A)	(B)	(C)	(D)	(E)	VH812430
j. I create opportunities for students to participate in online book clubs.	(A)	(B)	(C)	(D)	(E)	VH812431
k. Students collaborate with peers and experts through the Internet or other digital connections.	(A)	(B)	(C)	(D)	(E)	VH812433



4. 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 or soft cover/paperback textbooks, workbooks, or worksheets	Ⓐ	Ⓑ	Ⓒ	VH812584
b. Electronic textbooks, workbooks or worksheets	Ⓐ	Ⓑ	Ⓒ	VH812586
c. Books (e.g., novels, collections of stories, nonfiction, graphic novels)	Ⓐ	Ⓑ	Ⓒ	VH812596
d. Materials from different curricular areas	Ⓐ	Ⓑ	Ⓒ	VH812589
e. Newspapers and/or magazines	Ⓐ	Ⓑ	Ⓒ	VH812597
f. Reading-related websites or apps	Ⓐ	Ⓑ	Ⓒ	VH812593
g. Reading-related educational games	Ⓐ	Ⓑ	Ⓒ	VH812594
h. Materials found on the Internet	Ⓐ	Ⓑ	Ⓒ	VH812598
i. Mixed media texts (e.g., texts including images, infographics, or animations)	Ⓐ	Ⓑ	Ⓒ	VH812599

5. When reading a story, article, or other passage with your students, how often do you ask your students to do the following activities? Select **one** circle in each row.

	Never or hardly ever	Once in a while	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	<input type="radio"/> E	VH811995
b. Interpret the meaning of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH811997
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	<input type="radio"/> E	VH811998
d. Identify the main ideas of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812000
e. Identify the themes of the passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812001
f. Analyze two or more texts on the same topic	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812005
g. Evaluate the main evidence in a persuasive/argument passage	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812008
h. 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	<input type="radio"/> E	VH812009
i. Critique the author's craft or technique	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812011
j. Analyze the author's use of mixed media (e.g., texts including images, infographics, or animations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH812013

6. 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 activities? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Build and practice vocabulary	(A)	(B)	(C)	(D)	(E)	VH812511
b. Build reading fluency	(A)	(B)	(C)	(D)	(E)	VH812512
c. Build reading comprehension	(A)	(B)	(C)	(D)	(E)	VH812515
d. Access reading-related websites	(A)	(B)	(C)	(D)	(E)	VH812518
e. Conduct research for reading projects	(A)	(B)	(C)	(D)	(E)	VH812519
f. Read something they have chosen themselves	(A)	(B)	(C)	(D)	(E)	VH812521
g. Work in pairs or small groups to talk about something they have read	(A)	(B)	(C)	(D)	(E)	VH812522
h. Build background knowledge with online resources and media	(A)	(B)	(C)	(D)	(E)	VH812523

7. How well has your teacher preparation program prepared you to teach students with the following attributes? Select **one** circle in each row.

	Not well at all	A little	Somewhat	Quite a bit	Extremely well	
a. Students lacking prerequisite knowledge or skills	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812546
b. Students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812547
c. Disruptive students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812549
d. Uninterested students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812550
e. English-language learners (ELL)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812551
f. Gifted and talented students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812553

## **Appendix F-2p: 2017 Operational Grade 4 Mathematics (COI)**

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class. *Questions 2–20 are not applicable and will be skipped.*
- Ⓑ 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? Enter the number of students.



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?

- Ⓐ Yes
- Ⓑ No

5. Do you create groups within this class for mathematics instruction on the basis of achievement level?

- Ⓐ Yes
- Ⓑ No

6. What kind of calculator do your students usually use during mathematics lessons?

- Ⓐ None
- Ⓑ Basic four-function (addition, subtraction, multiplication, division)
- Ⓒ Scientific (not graphing)
- Ⓓ Graphing

7. Approximately how much mathematics homework do you assign to students in this class each day?

- Ⓐ None
- Ⓑ 15 minutes
- Ⓒ 30 minutes
- Ⓓ 45 minutes
- Ⓔ One hour
- Ⓕ More than one hour

8. To what extent are students permitted to use calculators during mathematics lessons?

- Ⓐ Unrestricted use
- Ⓑ Restricted use
- Ⓒ Calculators are not permitted.

9. When you give students a mathematics test or quiz, how often do they use a calculator?

- Ⓐ Never
- Ⓑ Sometimes
- Ⓒ Always

10. In your mathematics class this year, how often do your students use a computer or other digital device (excluding handheld 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

11. 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



12. 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. Materials you have created	Ⓐ	Ⓑ	VH617626
e. Other materials (Please specify): _____	Ⓐ	Ⓑ	VH270260

13. 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	(A)	(B)	(C)	(D)	(E)	VH270272
b. Use alternate methods to solve problems when the first method does not work	(A)	(B)	(C)	(D)	(E)	VH270274
c. Explain one's thinking and make connections between models and equations	(A)	(B)	(C)	(D)	(E)	VH270275
d. Make assumptions	(A)	(B)	(C)	(D)	(E)	VH617226
e. Make approximations	(A)	(B)	(C)	(D)	(E)	VH617227
f. Represent a problem situation with numbers, words, pictures, or charts	(A)	(B)	(C)	(D)	(E)	VH270277
g. Understand tools for problem solving and limitations of use	(A)	(B)	(C)	(D)	(E)	VH270278
h. Use clear and precise language when students are discussing their problem solving and reasoning	(A)	(B)	(C)	(D)	(E)	VH270279

14. 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	VH240851
b. Measurement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240852
c. Geometry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240853
d. Data analysis, statistics, and probability	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240856

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240874
b. Supplement the regular course curriculum with additional material for some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240875
c. Have some students engage in different classroom activities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240878
d. Use a different set of methods in teaching some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240877
e. Pace my teaching differently for some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240876

16. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH269353
b. Small project-based assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH269357
c. Individual students collaborating on group assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH336538

17. 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

18. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270306
b. My students did well because they put in a lot of effort.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270307
c. My students did well because they always do well on tests.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270308
d. My students did well because I taught the concepts well.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270309
e. My students did well because they guessed well on the test.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270311
f. My students did well because they are just good at math.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270313

19. 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

20. 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

## **Appendix F-2q: 2018 Cognitive Interviews Grade 4 Mathematics**

4. 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 (print or digital) provided by your district or school	Ⓐ	Ⓑ	VH811602
b. Other materials provided by your district or school (e.g., math manipulatives, math board games, or math puzzles)	Ⓐ	Ⓑ	VH811624
c. Math software and/or apps (game-based or lesson-based)	Ⓐ	Ⓑ	VH811626

5. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH811637
b. Provide multiple representation of concepts, and guide students to express what they know using various formats	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH811643



6. 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	(A)	(B)	(C)	(D)	(E)	VH812833
b. Use alternate methods to solve problems when the first method does not work	(A)	(B)	(C)	(D)	(E)	VH812834
c. Explain one's thinking and make connections between models and equations	(A)	(B)	(C)	(D)	(E)	VH812843
d. Make assumptions using mathematical knowledge to simplify a problem	(A)	(B)	(C)	(D)	(E)	VH812846
e. Make approximations	(A)	(B)	(C)	(D)	(E)	VH812849
f. Represent a problem situation with numbers, words, pictures, or charts	(A)	(B)	(C)	(D)	(E)	VH812850
g. Understand tools for problem solving and limitations of use	(A)	(B)	(C)	(D)	(E)	VH812851
h. Use clear and precise language when students are discussing their problem solving and reasoning	(A)	(B)	(C)	(D)	(E)	VH812853

**Appendix F-2r: 2017 Pilot Grade 8 Core, Reading, Mathematics (All subjects)**

1. 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.

If you do not teach Reading, please do not answer the next 2 questions.

2. When you teach English/language arts, how often do you use the following strategies? Select **one** circle in each row.

VH334360

	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 student groups with different achievement levels.	(A)	(B)	(C)	(D)	(E)	VH548665
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 differentiated instruction for reading (i.e., instruction tailored to student ability and learning style).	(A)	(B)	(C)	(D)	(E)	VH562894
g. I ask students to work independently on an assignment or task.	(A)	(B)	(C)	(D)	(E)	VH548666
h. I ask students to work independently on a task they choose themselves.	(A)	(B)	(C)	(D)	(E)	VH548667
i. Other strategies (Please specify): _____	(A)	(B)	(C)	(D)	(E)	VH562900

3. 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.

	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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547868
b. Build reading fluency	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617114
c. Build reading comprehension	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617116
d. Access reading-related websites	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547871
e. Conduct research for projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH547872

If you do not teach Mathematics, please do not answer the next 4 questions.

4. In your mathematics class this year, do you use any of the following instructional materials during instruction? Select **one** circle in each row.

VH548937

	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	Ⓐ	Ⓑ	Ⓒ	VH548938
b. Other materials provided by your district or school	Ⓐ	Ⓑ	Ⓒ	VH548939
c. Materials found on the Internet	Ⓐ	Ⓑ	Ⓒ	VH548940
d. Printed workbooks	Ⓐ	Ⓑ	Ⓒ	VH548947
e. Digital manipulatives	Ⓐ	Ⓑ	Ⓒ	VH548942
f. Physical manipulatives (for example, ruler, protractor, compass)	Ⓐ	Ⓑ	Ⓒ	VH548945
g. Digital games	Ⓐ	Ⓑ	Ⓒ	VH548948
h. Interactive whiteboard	Ⓐ	Ⓑ	Ⓒ	VH548944
i. Other materials not listed above (Please specify): ___	Ⓐ	Ⓑ	Ⓒ	VH548941

5. 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. Use clear and precise language to discuss problem solving and reasoning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562965
b. Use models to explain calculations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562966
c. Represent a problem in multiple ways including using numbers, words, pictures, and charts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562967
d. Use models to examine real-life and mathematical examples	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549099
e. Evaluate a problem-solving process	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562983
f. Create equations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562985
g. Relate what your students know to the real world and make sense of it mathematically	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562988
h. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562989
i. Evaluate the conclusions of other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH549107
j. Examine patterns in tables and graphs to describe relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH562991

6. 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.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Posing questions during a lesson that will help students to reason and make sense of mathematical connections and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547431
b. Using overall learning goals to guide instructional decisions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547434
c. Building procedural understanding to encourage the use of multiple problem-solving strategies	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547433
d. Providing opportunities for students to productively struggle with mathematical ideas and relationships	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH547432



7. 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. Use definitions and notation precisely	(A)	(B)	(C)	(D)	(E)	VH547462
b. Justify and explain their reasoning	(A)	(B)	(C)	(D)	(E)	VH547463
c. Identify and correct flawed mathematical reasoning	(A)	(B)	(C)	(D)	(E)	VH547464
d. Construct arguments using tables, graphs, or diagrams	(A)	(B)	(C)	(D)	(E)	VH547468
e. Make, test, and validate conjectures	(A)	(B)	(C)	(D)	(E)	VH547466
f. Use examples or counterexamples to support or refute a mathematical conjecture	(A)	(B)	(C)	(D)	(E)	VH547467
g. Engage in deductive reasoning and informal proofs	(A)	(B)	(C)	(D)	(E)	VH547465

8. In your mathematics class this year, how often do you use each of the following strategies when teaching? 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 mathematics as a whole-class activity.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617289
b. I create student groups with the same achievement level.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617290
c. I create groups by random assignment.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617291
d. I allow students to choose their own group.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617292

## **Appendix F-2s: 2017 Operational Grade 8 Mathematics (COI)**

1. Which best describes your role in teaching mathematics to this class?

- Ⓐ I do not teach mathematics to this class. *Questions 2–19 are not applicable and will be skipped.*
- Ⓑ 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? Enter the number of students.



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?

- Ⓐ Yes
- Ⓑ No

5. What kind of calculator do your students usually use during mathematics lessons?

- Ⓐ None
- Ⓑ Basic four-function (addition, subtraction, multiplication, division)
- Ⓒ Scientific (not graphing)
- Ⓓ Graphing

6. Approximately how much mathematics homework do you assign to students in this class each day?

- Ⓐ None
- Ⓑ 15 minutes
- Ⓒ 30 minutes
- Ⓓ 45 minutes
- Ⓔ One hour
- Ⓕ More than one hour

7. In your mathematics class this year, how often do your students use a computer or other digital device (excluding handheld 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

8. When you give students a mathematics test or quiz, how often do they use a calculator?

- Ⓐ Never
- Ⓑ Sometimes
- Ⓒ Always

9. To what extent are students permitted to use calculators during mathematics lessons?

- Ⓐ Unrestricted use
- Ⓑ Restricted use
- Ⓒ Calculators are not permitted.

10. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269862
b. Adjust your teaching strategies to meet the current learning needs of individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269864
c. Adjust your teaching strategies to reflect your instructional objectives for the classroom	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269865
d. Discuss class progress with school administrators	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269868
e. Discuss class progress with other colleagues	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH269871

11. In your mathematics class this year, do you use any of the following instructional materials? Select **one** circle in each row.

	<b>Yes</b>	<b>No</b>	
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. Materials you have created	Ⓐ	Ⓑ	VH617626
e. Other materials (Please specify): _____	Ⓐ	Ⓑ	VH270260

12. 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	(A)	(B)	(C)	(D)	(E)	VH617994
b. Make approximations	(A)	(B)	(C)	(D)	(E)	VH617995
c. Use models to explain calculations	(A)	(B)	(C)	(D)	(E)	VH270284
d. Represent a problem situation in multiple ways, including numbers, words, pictures, and charts	(A)	(B)	(C)	(D)	(E)	VH270285
e. Evaluate a problem-solving process	(A)	(B)	(C)	(D)	(E)	VH270286
f. Create equations	(A)	(B)	(C)	(D)	(E)	VH270288
g. Relate what your students know to the real world and make sense of it mathematically	(A)	(B)	(C)	(D)	(E)	VH270289
h. Use appropriate terminology when referring to the number system, functions, geometric figures, and data displays	(A)	(B)	(C)	(D)	(E)	VH270290
i. Examine patterns in tables and graphs to generate equations and describe relationships	(A)	(B)	(C)	(D)	(E)	VH270292



13. 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	VH240851
b. Measurement	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240852
c. Geometry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240853
d. Data analysis, statistics, and probability	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240856
e. Algebra and functions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH240854

14. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240900
b. Supplement the regular course curriculum with additional material for some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240901
c. Have some students engage in different classroom activities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240904
d. Use a different set of methods in teaching some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240903
e. Pace my teaching differently for some students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240902

15. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH269353
b. Small project-based assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH269357
c. Individual students collaborating on group assignments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH336538

16. 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

17. 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

18. In your mathematics classes this year, how often did you encourage your students to participate in mathematics activities **outside of 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

19. 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

## **Appendix F-2t: 2018 Cognitive Interviews Grade 8 Mathematics**

4. 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 (print or digital) provided by your district or school	Ⓐ	Ⓑ	VH811602
b. Other materials provided by your district or school (e.g., math manipulatives, math board games, or math puzzles)	Ⓐ	Ⓑ	VH811624
c. Math software and/or apps (game-based or lesson-based)	Ⓐ	Ⓑ	VH811626

5. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH811653
b. Provide multiple representation of concepts, and guide students to express what they know using various formats	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH811659

6. 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 using mathematical knowledge to simplify a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812897
b. Make approximations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812898
c. Use models to explain calculations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812879
d. Represent a problem situation in multiple ways, including numbers, words, pictures, and charts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH812881

## **Appendix F-2u: 2018 Pilot Grade 4 Science (COI)**



1. Which best describes your role in teaching science to this class? Select **one** circle.

- Ⓐ I do not teach science to this class.
- Ⓑ I teach all or most subjects, including science.
- Ⓒ The only subject I teach is science.
- Ⓓ We team teach, and I have primary responsibility for teaching science.

2. How many students are in this class? Enter the number of students.

3. In a typical week, how much time do you spend teaching science to the students in this class? Write in the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

4. Are students assigned to this class by achievement level?

- Ⓐ Yes
- Ⓑ No

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

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Multiple-choice tests	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241165
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	VH241166
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	VH241169
d. Performance-based assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241168
e. Group projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241167

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

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639434
b. Earth and space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639436
c. Physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639435
d. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639437

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

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

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

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

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

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

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

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

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

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

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

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

13. In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?

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



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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Regularly discuss each student's current level of performance with them	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639634
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639635
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639636
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639637

15. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a. My students did well because they studied and were prepared.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641273
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	VH641276
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	VH641277
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	VH641279
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	VH641281
f. My students did well because they are just good in science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641284

16. In this school year, did your school offer any of the following supplemental activities? Select **one** answer choice in each row.

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	<input type="radio"/> A	<input type="radio"/> B	VH641334
b. Opportunities for students to engage in group science activities	<input type="radio"/> A	<input type="radio"/> B	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	<input type="radio"/> A	<input type="radio"/> B	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	<input type="radio"/> A	<input type="radio"/> B	VH641341

## **Appendix F-2v: 2018 Pilot Grade 8 Science (COI)**

1. Which best describes your role in teaching science to this class? Select **one** circle.

- Ⓐ I do not teach science to this class.
- Ⓑ I teach all or most subjects, including science.
- Ⓒ The only subject I teach is science.
- Ⓓ We team teach, and I have primary responsibility for teaching science.

2. How many students are in this class? Enter the number of students.

3. In a typical week, how much time do you spend teaching science to the students in this class? Write in the hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

4. Are students assigned to this class by achievement level?

- Ⓐ Yes
- Ⓑ No

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

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every day	
a. Multiple-choice tests	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241165
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	VH241166
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	VH241169
d. Performance-based assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241168
e. Group projects	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241167

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

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639434
b. Earth and space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639436
c. Physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639435
d. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639437

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

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

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

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

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

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



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

	Not at all	Small extent	Moderate extent	Large extent	
a. Increasing students' interest in science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241262
b. Increasing awareness of the importance of science in daily life	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241263
c. Teaching the iterative process of scientific inquiry	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639689
d. Teaching the iterative process of scientific practice	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH748071
e. Developing problem-solving skills	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241257
f. Developing scientific writing skills	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241260

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

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

12. In your eighth-grade class, how often do your students use a computer or other digital device to do each of the following activities? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Conduct a search for science information	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241282
b. Simulate a physical or biological process or see how something works (e.g., how planets orbit the Sun or how gas expands)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241284
c. Make a chart or graph that shows results of a science project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241283

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

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

14. In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?

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

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

	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639634
b. Set goals for specific progress the student would like to make	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639635
c. Discuss progress the student has made toward goals previously set	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639636
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639637

16. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a. My students did well because they studied and were prepared.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641273
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	VH641276
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	VH641277
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	VH641279
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	VH641281
f. My students did well because they are just good in science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641284

17. In this school year, did your school offer any of the following supplemental activities? Select **one** answer choice in each row.

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	<input type="radio"/> A	<input type="radio"/> B	VH641334
b. Opportunities for students to engage in group science activities	<input type="radio"/> A	<input type="radio"/> B	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	<input type="radio"/> A	<input type="radio"/> B	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	<input type="radio"/> A	<input type="radio"/> B	VH641341

## **Appendix F-2w: 2017 Operational Grade 4 Writing (COI)**

1. 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): \_\_\_\_\_ %

2. 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): \_\_\_\_\_ %

3. 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. Choosing words in students' writing that will effectively communicate ideas	(A)	(B)	(C)	(D)	(E)	VH315464
d. Typing a longer text (several paragraphs) with few errors using a keyboard	(A)	(B)	(C)	(D)	(E)	VH316147
e. Using a spell-checker in word processing software	(A)	(B)	(C)	(D)	(E)	VH616593
f. Finding words to use in their writing from the thesaurus in word processing software	(A)	(B)	(C)	(D)	(E)	VH316153
g. Applying cut, copy, and paste using the keyboard or mouse	(A)	(B)	(C)	(D)	(E)	VH316155
h. Creating an outline prior to writing	(A)	(B)	(C)	(D)	(E)	VH316239
i. Coming up with ideas about what to write for a timed writing task	(A)	(B)	(C)	(D)	(E)	VH316242



4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314291
b. Ask students to write more than one draft for a writing assignment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314295

5. 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 the Internet to get information for their writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242736
c. Assess their own writing by using a specific rubric	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242734
d. Assess the writing of other students by using rubrics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242735

6. 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. Analyze (i.e., collect and describe evidence for an issue or argument)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314056

7. 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 within one session	(A)	(B)	(C)	(D)	(E)	VH314220
b. Assignments that are designed for students to work on over extended periods of time (e.g., several class periods)	(A)	(B)	(C)	(D)	(E)	VH314222
c. Assignments that students have to complete together with other students	(A)	(B)	(C)	(D)	(E)	VH314224
d. Assignments of at least a couple of pages (e.g., a paper or report)	(A)	(B)	(C)	(D)	(E)	VH314229

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)	(A)	(B)	(C)	(D)	(E)	VH314328
b. Timed assessments (i.e., tests where students have to produce text under a time limit)	(A)	(B)	(C)	(D)	(E)	VH314331
c. Digitally based writing tests	(A)	(B)	(C)	(D)	(E)	VH616571
d. Extended constructed-response questions	(A)	(B)	(C)	(D)	(E)	VH616573

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.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315402
b. I write a general comment at the end of the paper.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315405
c. I correct their spelling and grammar mistakes.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315407
d. I provide specific suggestions on re-organizing their ideas.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315416
e. I meet with students one-on-one to go over their writing.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315419

11. 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) (including Chromebooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH587512
b. Tablet(s) (e.g., 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

12. 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. *Question 13 is not applicable and will be skipped.*
- Ⓑ 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.

13. Approximately what percentage of the students in your fourth-grade English/language arts class meet the expectations regarding their **keyboarding skills**?

%

14. Which of the following **word processing tools** are your fourth-grade students expected to be able to use for writing? Select **one** circle in each row.

	Yes	No	
a. Cut, copy, and paste	Ⓐ	Ⓑ	VH587504
b. Spell-checker	Ⓐ	Ⓑ	VH587507
c. Thesaurus	Ⓐ	Ⓑ	VH587506
d. Formatting tools (e.g., bold, underline, italics)	Ⓐ	Ⓑ	VH587505

15. Approximately what percentage of the students in your fourth-grade English/language arts class meet the expectations regarding their **word processing skills**?

%

## **Appendix F-2x: 2017 Operational Grade 8 Writing (COI)**



1. 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): \_\_\_\_\_ %

2. 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): \_\_\_\_\_ %

3. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315433
b. Writing a paper without spelling mistakes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315441
c. Choosing words in students' writing that will effectively communicate ideas	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH315464
d. Typing a longer text (several paragraphs) with few errors using a keyboard	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316147
e. Using a spell-checker in word processing software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH616593
f. Finding words to use in their writing from the thesaurus in word processing software	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316153
g. Applying cut, copy, and paste using the keyboard or mouse	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH316155
h. 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
i. 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

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314291
b. Ask students to write more than one draft for a writing assignment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314295

5. 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 the Internet to get information for their writing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242736
c. Assess their own writing by using a specific rubric	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242734
d. Assess the writing of other students by using rubrics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242735

6. 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)	(A)	(B)	(C)	(D)	(E)	VH242692
b. Persuade (i.e., convince someone to do something)	(A)	(B)	(C)	(D)	(E)	VH242693
c. Convey real experience (i.e., write about factual events or personal experiences)	(A)	(B)	(C)	(D)	(E)	VH314053
d. Convey imagined experience (i.e., tell a fictional story)	(A)	(B)	(C)	(D)	(E)	VH314054
e. Analyze (i.e., collect and describe evidence for an issue or argument)	(A)	(B)	(C)	(D)	(E)	VH314056

7. 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 within one session	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314220
b. Assignments that are designed for students to work on over extended periods of time (e.g., several class periods)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314222
c. Assignments that students have to complete together with other students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314224
d. Assignments of at least a couple of pages (e.g., a paper or report)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH314229

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. Digitally based writing tests	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616571
d. Extended constructed-response questions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616573

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

11. 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) (including Chromebooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH587512
b. Tablet(s) (e.g., 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

12. 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. *Question 13 is not applicable and will be skipped.*
- Ⓑ 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.

13. Approximately what percentage of the students in your eighth-grade English/language arts class meet the expectations regarding their **keyboarding skills**?

%



14. Which of the following **word processing tools** are your eighth-grade students expected to be able to use for writing? Select **one** circle in each row.

	Yes	No	
a. Cut, copy, and paste	<input type="radio"/>	<input type="radio"/>	VH316547
b. Spell-checker	<input type="radio"/>	<input type="radio"/>	VH616651
c. Thesaurus	<input type="radio"/>	<input type="radio"/>	VH316553
d. Formatting tools (e.g., bold, underline, italics)	<input type="radio"/>	<input type="radio"/>	VH316554

15. Approximately what percentage of the students in your eighth-grade English/language arts class meet the expectations regarding their **word processing skills**?

%

## **Appendix F-2y: 2018 Operational Grade 8 Social Studies (COI)**

1. Which best describes your role in teaching social studies to this class? Select **all** that apply.
- Ⓐ I teach all or most subjects, including social studies.
  - Ⓑ The only subject I teach is social studies.
  - Ⓒ We team teach, and I have primary responsibility for teaching social studies.
  - Ⓓ I have primary responsibility for teaching civics and/or United States government.
  - Ⓔ I have primary responsibility for teaching geography.
  - Ⓕ I have primary responsibility for teaching United States history.

2. How many students are in this class? Enter the number of students. If you teach more than one eighth-grade social studies class, please enter the number of students in the class you are using as the basis for answering this survey.

3. In a typical week, about how much time in total do you spend with this class on social studies instruction?

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

4. Which best describes how social studies instruction in your school is organized?
- Ⓐ Social studies is taught primarily as a discrete subject with little or no integration with instruction in other subjects.
  - Ⓑ Some social studies instruction is integrated with other subjects, and some social studies instruction is presented as a discrete subject.
  - Ⓒ Social studies lessons are primarily integrated with instruction in other subjects.

5. During what percentage of social studies instruction time in this class is your primary focus on each of the following subjects? Select **one** circle in each row.

	None	1-10%	11-40%	41-60%	61-90%	More than 90%	
a. Civics and/or United States government	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH493389
b. 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	VH493390
c. United States history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH493391
d. Other social studies subject (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	VH493392

6. During this school year, how often do you do the following as part of social studies instruction with this class? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Have students read material from a social studies textbook	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493504
b. Have students read extra material about social studies not in the regular textbook (e.g., newspapers, magazines, or online sources)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493506
c. Have students conduct research about social studies topics (e.g., online, in a library, or through interviews)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493509
d. Have students use primary sources (e.g., letters, diaries, photographs, films, or essays written by people from the past)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493512

7. During this school year so far, how often have you done each of the following as part of social studies instruction with this class? Select **one** circle in each row.

	Never	Once	Two or three times	Four or five times	More than five times	
a. Had students give class presentations on social studies topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493518
b. Had students write about their opinion on a problem or issue (e.g., in a letter, e-mail, or blog post)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493523
c. Had students take part in debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493524
d. Had students take part in role-playing, mock trials, or dramas about social studies topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493525

8. When students in this class work on social studies, to what extent do they use computers or other digital devices to do the following? Select **one** circle in each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Use the Internet to look for evidence or sources (e.g., text documents, photographic images, or films)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493491
b. Play games or use apps in which students play a role (e.g., an explorer, geographer, or historian)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH728046
c. Create reports or projects about social studies using different forms of media (e.g., a slide presentation that combines text and video clips)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493494
d. Organize information about social studies topics by creating tables, charts, or graphs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493496
e. Participate in online discussions about social studies on a website (e.g., in forums or social media)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493498

9. In your social studies class this year, how often do you use each of the following to assess student progress in social studies? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Tests with multiple-choice, true/false, or matching type questions	(A)	(B)	(C)	(D)	(E)	VH493530
b. Short written responses (e.g., a paragraph or less)	(A)	(B)	(C)	(D)	(E)	VH739504
c. Long written responses (e.g., several paragraphs)	(A)	(B)	(C)	(D)	(E)	VH493540
d. Responses to questions based on information from several sources (e.g., letters, cartoons, or maps)	(A)	(B)	(C)	(D)	(E)	VH493541
e. Computer-based or online assessments	(A)	(B)	(C)	(D)	(E)	VH493544

10. When giving assessments in your social studies class this year, how often do you use the assessment results to do each of the following? Select **one** circle in each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	Always or almost always	
a. Regularly discuss each student's current level of performance with them	(A)	(B)	(C)	(D)	(E)	VH493774
b. Set goals for specific progress the student would like to make	(A)	(B)	(C)	(D)	(E)	VH493775
c. Discuss progress the student has made toward goals previously set	(A)	(B)	(C)	(D)	(E)	VH493777
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	(A)	(B)	(C)	(D)	(E)	VH493778

11. Do you give instruction in civics and/or United States government to your students?

A Yes

B No → Questions 12, 13, and 14 are not applicable and will be skipped.

12. In your social studies class this year, how much have you emphasized the following topics in civics and/or United States government? Select **one** circle in each row.

	Never or hardly ever	Less than half of the lessons	About half of the lessons	More than half of the lessons	All or almost all of the lessons	
a. Political parties, elections, and voting	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH728261
b. Other countries' governments (e.g., their structure, how they are run, or interactions with the United States)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH728259
c. International organizations (e.g., the United Nations, World Bank, or World Health Organization)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH728260
d. Current political and social issues	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH728257



13. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. Examining the roles and functions of the three branches of the United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493645
b. Examining the rights and responsibilities of United States citizens	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493646
c. Examining how the United States influences and is influenced by events in other countries	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493647
d. Comparing the roles and responsibilities of local, state, and national governments in the United States	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493648
e. Examining why it is important to pay attention to the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493650
f. Examining why it is important for individuals to participate in the political process and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493651
g. Discussing the political process and government with others	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493658

14. During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach civics and/or United States government? Select **all** that apply.

- A Yes, I have attended programs that are required by my school or district.
- B Yes, I have attended programs that are not required by my school or district.
- C No

15. Do you give instruction in geography to your students?

- A Yes
- B No → Questions 16, 17, and 18 are not applicable and will be skipped.

16. In your social studies class this year, how much have you emphasized the following topics in geography? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. Countries and cultures	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493708
b. Environmental issues (e.g., pollution, recycling, climate change, or genetically modified food)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493709
c. Basic concepts of physical and human geography	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493710
d. Variation among regions and how people interact across space via communication, transportation, or trade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493711

17. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. Using a map (e.g., a road map, MapQuest, or Google Maps), atlas, or globe to locate different cities, countries, and continents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493726
b. Examining how natural features of Earth (e.g., rivers or mountains) are formed	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH728062
c. Measuring distances and the sizes of areas on maps	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493729
d. Examining what makes different regions in the United States unique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493730
e. Examining why groups of people migrate to different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493736
f. Examining how humans affect the natural environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493737
g. Examining how humans adjust to the natural environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH603016
h. Examining why different food and energy resources are traded globally	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493740
i. Using geographic information (e.g., maps, satellite images, or population data) to answer a question or solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493743

18. During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach geography? Select **all** that apply.

- Ⓐ Yes, I have attended programs that are required by my school or district.
- Ⓑ Yes, I have attended programs that are not required by my school or district.
- Ⓒ No

19. Do you give instruction in United States history to your students?

- Ⓐ Yes
- Ⓑ No → *Questions 20, 21, and 22 are not applicable and will be skipped.*

20. In your social studies class this year, how much have you emphasized the following periods of United States history? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. The period before 1815 (e.g., age of exploration, colonization, settlement, or American Revolution)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493552
b. 1815 to 1865 (e.g., expansion, reform, sectionalism, or the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493553
c. 1865 to 1945 (e.g., Reconstruction, industrial growth, United States role in world events, immigration, the Great Depression, or the First and Second World Wars)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493554
d. 1945 to the present (e.g., the Cold War, Civil Rights movement, women’s rights movement, Vietnam War, or environmental movement)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493556

21. In your social studies class this school year, how much have you emphasized teaching your students each of the following? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. Examining the causes and effects of important events in United States history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493580
b. Examining how time periods in United States history are similar or different	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493582
c. Judging whether information from a source (e.g., text, visual graphics, video, or audio) is accurate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493583
d. Analyzing the relationship between two historical events	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493587
e. Comparing and evaluating different points of view about the past (e.g., different ideas about what caused the Civil War)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493589
f. Coming up with research questions about why or how something happened in the past (e.g., what were the causes of the Great Depression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493590
g. Taking and defending a position about a historical issue (e.g., how changes in transportation have affected the United States economy)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH493591

22. During the past two years, have you attended professional development programs (e.g., training sessions and workshops, including online classes) aimed at improving your ability to teach history? Select **all** that apply.

- A Yes, I have attended programs that are required by my school or district.
- B Yes, I have attended programs that are not required by my school or district.
- C No

23. Suppose your students did very well on their last social studies test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	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	VH493814
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	VH493815
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	VH493816
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	VH493817
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	VH493818
f. My students did well because they are just good at social studies.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH493819

**Appendix F-2z: 2012 Operational Grade 12 Economics-Department  
Head**



## Economics Department Chair

*The questionnaire should be completed by the head of the department that offers the most economics-related courses in the current academic year.*

For the purposes of this questionnaire, “economics” means the study of the basic problem of limited resources and how people choose to use these resources.

**Economics may be taught from an academic perspective, or it may be taught in an applied context, including:**

- An individual and household context, including decisions about earning, saving, and personal financial challenges
- A business context, with a focus on entrepreneurs, workers, producers, and investors
- A public context, including government, policy, citizenship, and domestic and international organizations

VB607573

1. What is your department?

- Ⓐ Social studies or history
- Ⓑ Business education
- Ⓒ Family and consumer sciences, home economics, etc.
- Ⓓ Other department (specify) \_\_\_\_\_

VB607574

2. This year, how many teachers teach at least one course in your department?

- Ⓐ 1–2 teachers
- Ⓑ 3–4 teachers
- Ⓒ 5–6 teachers
- Ⓓ 7–8 teachers
- Ⓔ 9 or more teachers

3. Which of the following economics-related courses are offered in your department? Please include courses that were offered **this year or last year**. Fill in **all** ovals that apply.

	Not offered	Offered	
a. Economics course (general course <b>other than</b> Advanced Placement, International Baccalaureate®, or honors economics)	Ⓐ	Ⓑ	VB607576
b. Government and economics course (combined course)	Ⓐ	Ⓑ	VB607577
c. Consumer economics or personal finance course	Ⓐ	Ⓑ	VB607578
d. Advanced Placement Economics course	Ⓐ	Ⓑ	VB607579
e. International Baccalaureate Economics course	Ⓐ	Ⓑ	VB607580
f. Honors economics course ( <b>other than</b> Advanced Placement or International Baccalaureate Economics)	Ⓐ	Ⓑ	VB607581
g. Business course such as entrepreneurship or business principles	Ⓐ	Ⓑ	VB607662
h. Any other economics course (specify) _____	Ⓐ	Ⓑ	VB607663
i. Any other course that includes an extended (at least 8-week long) unit on economics (specify) _____	Ⓐ	Ⓑ	VB607664

VB607665

4. **This year, how many teachers in your department teach at least one economics-related course (see courses listed in Question 3)?**

- A None → *Skip to Question 7.*
- B 1–2 teachers → *Go to Question 5.*
- C 3–4 teachers → *Go to Question 5.*
- D 5–6 teachers → *Go to Question 5.*
- E 7–8 teachers → *Go to Question 5.*
- F 9 or more teachers → *Go to Question 5.*

VB607666

5. **How many of the teachers who teach economics-related courses in your department this year have each of the following qualifications? Fill in one oval on each line.**

	<b>None</b>	<b>A few</b>	<b>Most</b>	<b>All</b>	
a. Three or more years experience teaching an economics-related subject in high school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB607667
b. An undergraduate or graduate major or minor in economics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB607668
c. Some college-level coursework in economics, but not a major or minor in economics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VB607669

P  
7  
4  
2  
1  
P  
7  
4  
2  
1

VB607670

6. How many of the teachers who teach economics-related courses in your department this year have had the following types of professional development **related to the teaching of economics** in the last two years? Fill in **one** oval on each line.

	None	A few	Most	All	Don't know	
a. College or university courses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB607671
b. Professional development workshop or program of less than 6 hours	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB607672
c. Professional development workshop or program of more than 6 hours	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VB607673

VB607674

7. With regard to economics coursework, what are the **district hiring requirements** for teachers in your department who teach economics-related courses? Fill in **all** ovals that apply.

- A There are no requirements involving economics.
- B Some college coursework in economics, but not a major or a minor
- C Certification in economics
- D A college minor in economics
- E A college major in economics
- F Graduate degree in economics
- P  
7  
4  
2  
1  
P  
7  
4  
2  
1

## **Appendix F-2aa: 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?

---

---

---

---

---

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.

---

---

---

---

---

## **Appendix F-2ab: 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.

- Ⓐ State
- Ⓑ District
- Ⓒ Tribal education department
- Ⓓ Indian education professional associations
- Ⓔ College or university
- Ⓕ 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.

- Ⓐ No knowledge or skill; nonspeaker
- Ⓑ Minimal functional or communicative ability; ability to use some words or phrases
- Ⓒ Moderate communicative ability; can express some ideas and communicate in some situations, but limited and cannot always express ideas
- Ⓓ Fluent nonnative speaker
- Ⓔ 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	(A)	(B)	(C)	(D)	(E)	VH040385
b. Current issues affecting American Indian or Alaska Native people or communities	(A)	(B)	(C)	(D)	(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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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?

---

---

---

---

---

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.

---

---

---

---

---



**Appendix F-2ac: 2019 Operational Grade 4 & 8 CAFS**

## Questions on Teachers' Use of Digital Technology for Cognitive Testing

We are interested in how digital technology is being used in your classroom as part of a larger study on the role of student access to and familiarity with digital technology in student academic performance.

When we use the term “digital technology”, we include *devices* such as desktops, laptops (including Chromebooks and convertible laptops), tablets, and smart phones, as well as *software* such as computer programs, digital apps for smartphones and tablets, and web-based or cloud-based applications.

1. To what degree is digital technology (as defined above) used in your school to help students meet specific goals related to the school's curriculum?
  - a. \_\_\_ Not at all
  - b. \_\_\_ To a minor degree
  - c. \_\_\_ To a substantial degree
  - d. \_\_\_ Completely
  
2. To what degree does the *curriculum* in your school demand that *students use* digital technology to demonstrate learning outcomes, if at all?
  - a. \_\_\_ Not at all
  - b. \_\_\_ To a minor degree
  - c. \_\_\_ To a substantial degree
  - d. \_\_\_ Completely
  
3. How important is it for *students in your classes* to use digital technology in order to understand and apply the concepts that you teach:
  - a. \_\_\_ Not at all important
  - b. \_\_\_ Somewhat important
  - c. \_\_\_ Substantially important
  - d. \_\_\_ Critically important
  
4. To what degree does your instruction depend upon *your own use* of digital technology to support students in mastering important learning objectives?
  - a. \_\_\_ Not at all
  - b. \_\_\_ To a minor degree
  - c. \_\_\_ To a substantial degree
  - d. \_\_\_ Completely

5. There are various ways that teachers can use digital technology to teach key concepts. Please indicate how often *you* use the following as part of your instruction:

	<b>Never</b>	<b>Occasionally</b>	<b>Often</b>
a. Interactive whiteboards	1	2	3
b. Slideshow presentation tools	1	2	3
c. Videos found on the Internet	1	2	3
d. Photographs, diagrams, and infographics found on the Internet	1	2	3
e. Digital graphic organizers to visually represent and connect key concepts	1	2	3

6. \*\*\* There are various ways that students can use digital technology as part of instruction. Please indicate how often *students* are *required* to use digital technology in your class for the following:

	<b>Never</b>	<b>Occasionally</b>	<b>Often</b>
a. Participating in whole-class activities	1	2	3
b. Participating in small group activities	1	2	3
c. Doing in-class individual activities	1	2	3
d. Doing homework	1	2	3

7. \*\*\* Digital technology can be used to support students with differing learning needs. Please indicate how often *you* use digital technology for the following:

	<b>Never</b>	<b>Occasionally</b>	<b>Often</b>
a. To provide additional practice for low performing students	1	2	3
b. To extend learning opportunities for high performing students	1	2	3
c. To provide a modification or accommodation to comply with an IEP	1	2	3
d. To provide support for students who are English Language Learners	1	2	3

8. \*\*\* With regards to providing additional practice for low performing students...

8.a. ...how often do you ask them to complete the work using:

	Never	Occasionally	Often
a. Paper and pencil	1	2	3
b. Desktop computer	1	2	3
c. Laptop computer	1	2	3
d. Tablet	1	2	3
e. Smartphone	1	2	3

8.b ...which of the above are you *most likely* to have students use (choose one)?

\_\_\_ paper and pencil

\_\_\_ Desktop computer

\_\_\_ Laptop computer

\_\_\_ Tablet

\_\_\_ Smartphone

9. There are various ways that digital technology and tools can be used to support student learning. Please indicate how often your instructional activities require your students to use the following technologies:

	Never	Occasionally	Often
a. <b>Digital textbooks and reading materials</b> to expand the range of available materials beyond print	1	2	3
b. <b>Informational websites</b> to build background knowledge about key concepts	1	2	3
c. <b>Web-based search engines</b> to answer questions about key concepts	1	2	3
d. <b>Library databases</b> (e.g., Google Scholar) to access specialized information	1	2	3
e. <b>Digital graphic organizers</b> to visually represent and connect key concepts	1	2	3
f. <b>Digital collaborative writing and annotation tools</b> (e.g., Google Docs) to jointly compose, share, and comment on writing	1	2	3
g. <b>Digital annotation tools</b> (e.g., to highlight, markup, or comment on a text, image, or photograph)	1	2	3
h. <b>Multimedia presentation tools</b> to share ideas with an audience	1	2	3

i. <b>Screencasting tools</b> to record a video that documents thinking about digital work on the screen	1	2	3
j. <b>Digital composition tools</b> to design creative products that combine text, photos, video, animation, sound, music, and/or audio narration	1	2	3
k. <b>Simulation tools</b> to explore real-life phenomena	1	2	3
l. <b>Mathematical modeling tools</b> to expand opportunities to engage in mathematical practices	1	2	3
m. <b>Virtual laboratories</b> to carry out scientific inquiries	1	2	3
n. <b>Social media tools</b> to share, view, and comment on each other's work using social media (e.g., blogs, Twitter)	1	2	3
o. <b>Student portfolio tools</b> to compile, organize, and annotate work that represents learning over time	1	2	3

10. Please indicate how often you provide opportunities for your students to use digital technology to do the following:

	<b>Never</b>	<b>Occasionally</b>	<b>Often</b>
a. My students have opportunities to consume (e.g. view, read) and construct meaning from information on the Internet created by others	1	2	3
b. My students have opportunities to <u>create or produce and share their own ideas</u> with others on the Internet	1	2	3

## **Appendix F-2ad: 2017 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-3: School Questionnaires**



**Table F.c.** Assessment years for the school administrator survey questionnaires and appendix parts.

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 4 Core (SCP)	X	X	F-3a	2018 Pilot Grade 4 Core (SCP)	Appendix I-3c
			F-3b	2018 Cognitive Interviews Grade 4 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Core (SCP)	X	X	F-3c	2018 Operational Grade 8 Core (SCP)	Appendix I-3b
			F-3d	2018 Cognitive Interviews Grade 8 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Core (SCP)	X	X	F-3e	2018 Pilot Grade 12 Core (SCP)	Appendix I-3d
			F-3f	2018 Cognitive Interviews Grade 12 Core	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 4 Charter School	X	X	F-3g	2018 Operational Grade 4 Charter School	Appendix I-3f
			F-3h	2018 Cognitive Interviews Grade 4 Charter School	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Charter School	X	X	F-3i	2018 Operational Grade 8 Charter School	Appendix I-3g
			F-3j	2018 Cognitive Interviews Grade 8 Charter School	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Charter School	X	X	F-3k	2018 Operational Grade 12 Charter School	Appendix I-3h
			F-3l	2018 Cognitive Interviews Grade 12 Charter School	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 4 Reading	X		F-3m	2017 Operational Grade 4 Reading	Appendix F-3h
			F-3n	2018 Cognitive Interviews Grade 4 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 8 Reading	X		F-3o	2017 Operational Grade 8 Reading	Appendix F-3i
			F-3p	2018 Cognitive Interviews Grade 8 Reading	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
			F-3q	2017 Pilot Grade 8 Core, Reading, Mathematics (All Subjects)	Appendix F-3c
Grade 12 Reading	X		F-3r	2018 Pilot Grade 12 Reading	Appendix I-3i
Grade 4 Mathematics	X	X	F-3s	2017 Operational Grade 4 Mathematics	Appendix F-3k
			F-3t	2018 Cognitive Interviews Grade 4 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Mathematics	X	X	F-3u	2017 Operational Grade 8 Mathematics	Appendix F-3l
			F-3v	2018 Cognitive Interviews Grade 8 Mathematics	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
			F-3w	2017 Pilot Grade 8 Core, Reading, Mathematics (All Subjects)	Appendix F-3c
Grade 12 Mathematics	X		F-3x	2018 Pilot Grade 12 Mathematics	Appendix I-3j
Grade 4 Science	X		F-3y	2018 Pilot Grade 4 Science	Appendix I-3l
Grade 8 Science	X		F-3z	2018 Pilot Grade 8 Science	Appendix I-3m
Grade 12 Science	X		F-3aa	2018 Pilot Grade 12 Science	Appendix I-3n
Grade 4 Writing		X	F-3ab	2017 Operational Grade 4 Writing	Appendix F-3t
			F-3ac	2018 Cognitive Interviews Grade 4 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 8 Writing		X	F-3ad	2017 Operational Grade 8 Writing	Appendix F-3u
			F-3ae	2018 Cognitive Interviews Grade 8 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219
Grade 12 Writing		X	F-3af	2011 Operational Grade 12 Writing	Appendix F-3v
			F-3ag	2016 Pilot Grade 12 Writing	Appendix F-3w
			F-3ah	2018 Cognitive Interviews Grade 12 Writing	The National Assessment of Educational Progress (NAEP) 2021 Items Pretesting; OMB# 1850-0803 v.219

	2019	2020	Appendix Parts	Survey Questionnaire	Source location within OMB# 1850-0928 v.8 or other source
Grade 8 Social Studies		X	F-3ai	2018 Operational Grade 8 Social Studies	Appendix I-3p
Grade 12 Social Studies		X	F-3aj	2010 Operational Grade 12 Social Studies	The National Assessment of Educational Progress Wave 1 Submittal for 2010 Volume II, Part 3f, Background Questions for 2010 Assessment, School Grade 12, SCP (School Characteristics and Policies) Questions School Grade 12 Writing; Questions School Grade 12 Civics, Geography, U.S History Questions; Charter School Questions
Grade 12 Economics		X	F-3ak	2012 Operational Grade 12 Economics	The National Assessment of Educational Progress Wave 2 Submittal for 2012 Volume II, Part 6, Economics School Questionnaire for 2012 Assessment
Grade 8 & 12 TEL		X	F-3al	2018 Operational Grade 8 TEL	Appendix I-3q
Grade 4 NIES	X		F-3am	2015 Operational Grade 4 NIES	Appendix F-3z
Grade 8 NIES	X		F-3an	2015 Operational Grade 8 NIES	Appendix F-3aa
Grade 4, 8, & 12 Giving Back	X	X	F-3ao	2017 Operational Grade 4, 8, & 12 Giving Back Items	Appendix F-3ab

## **Appendix F-3a: 2018 Pilot Grade 4 Core (SCP)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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

3. 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 (Please specify): \_\_\_\_\_

4. Please identify the organization(s) listed below to which your school is most closely affiliated. Select **all** squares that apply.

- A American Association of Christian Schools
- B Association of Christian Schools International
- C Christian Schools International
- D National Association of Episcopal Schools
- E National Association of Independent Schools
- F National Catholic Educational Association
- G National Society of Hebrew Day Schools
- H The Association of Boarding Schools
- I Other (Please specify): \_\_\_\_\_
- J Not affiliated with any organization

5. What is the current enrollment in your school?

6. Approximately what percentage of fourth-graders in your school is new this year?

 %

7. 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%

8. 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%

9. Last school year, approximately what percentage of students at your school enrolled after the first day of school?

- Ⓐ 0%
- Ⓑ 1–3%
- Ⓒ 4–6%
- Ⓓ 7–10%
- Ⓔ 11–20%
- Ⓕ Over 20%

10. 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%

11. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%



12. 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%

13. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No

14. 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).

15. If your school distributes free lunch to all students under Provision 2 or 3, what was the **base year** during which individual student eligibility was collected?

- Ⓐ This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.
- Ⓑ 2017
- Ⓒ 2016
- Ⓓ 2015
- Ⓔ 2014
- Ⓕ 2013
- Ⓖ 2012 or earlier

16. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

17. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

18. Approximately what percentage of students in your school receives the following services? Select **one** circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

	None	1-5%	6-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Targeted Title I services	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241931
b. Gifted and talented program	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241922
c. Instruction provided in student's home language (non-English)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241923
d. English-as-a-second-language (not in a bilingual education program)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241924
e. Special education	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241925

19. 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

20. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0-10%	11-25%	26-50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241940
b. Attend teacher-parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241939

For all teacher counts entered in this item:

*INCLUDE these types of teachers:*

- Regular
- Special area or resource teachers (e.g., special education, Title I, art, music, physical education)
- Long-term substitute teachers

*INCLUDE these types of teachers:*

- Itinerant teachers who teach part-time at this school
- Employees reported in other items of this section if they also have a part-time teaching assignment at this school

*DO NOT INCLUDE:*

- Student teachers
- Short-term substitute teachers
- Teachers who teach ONLY pre-kindergarten or adult education

21. Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

a. Full-time

\_\_\_\_\_ Full-time teachers

b. Part-time

\_\_\_\_\_ Part-time teachers

22. Does your school, district, or diocese offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

23. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241943
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241942

24. In the last school year, how many full-time teachers were new to your school?

25. 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%

26. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.

- A Desktop computers
- B Laptop computers (including Chromebooks)
- C Tablets (for example, Surface Pro, iPad, Kindle Fire)
- D Other digital devices (Please specify): \_\_\_\_\_

27. What is the average age of the **desktop computers** in your school?

- A Up to 2 years old
- B More than 2 years but less than 4 years old
- C More than 4 years but less than 6 years old
- D 6 years old or more
- E I don't know.

28. 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): \_\_\_\_\_

29. What is the total number of **laptop computers** (including Chromebooks) available for students in your school? Enter the number of laptop computers.

30. What is the average age of the **laptop computers** (including Chromebooks) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

31. In your school, where are **laptop computers** (including Chromebooks) available for students to work? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_

32. What is the total number of **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.

33. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

34. In your school, where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_



35. In your school, is there a wireless Internet connection that students can use for schoolwork?

- A Yes, everywhere or almost everywhere in the school.
- B Yes, in some areas of the school.
- C No

36. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

- A Yes, we are partnering with a provider outside the school.
- B Yes, we have technical support staff in the school.
- C No

37. 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 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
d. 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

## **Appendix F-3b: 2018 Cognitive Interviews Grade 4 Core**

1. Are the following factors considered when students are admitted to your school? Select **one** circle in each row.

	Yes	No	
a. Student's record of academic performance	<input type="radio"/> A	<input type="radio"/> B	VH812915
b. Student's scores on an entrance test	<input type="radio"/> A	<input type="radio"/> B	VH812917
c. Recommendation of feeder schools	<input type="radio"/> A	<input type="radio"/> B	VH812918
d. Parents' endorsement of the instructional or religious philosophy of the school	<input type="radio"/> A	<input type="radio"/> B	VH812919
e. Whether the student requires or is interested in a special program	<input type="radio"/> A	<input type="radio"/> B	VH812920
f. Preference given to family members of current or former students	<input type="radio"/> A	<input type="radio"/> B	VH812921
g. Residence in a particular area	<input type="radio"/> A	<input type="radio"/> B	VH812922
h. Qualitative information obtained from the student (e.g., student essays or interviews)	<input type="radio"/> A	<input type="radio"/> B	VH812923
i. Other (please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH812924

## **Appendix F-3c: 2018 Operational Grade 8 Core (SCP)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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

3. 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 (Please specify): \_\_\_\_\_

4. Please identify the organization(s) listed below to which your school is most closely affiliated. Select **all** squares that apply.

- A American Association of Christian Schools
- B Association of Christian Schools International
- C Christian Schools International
- D National Association of Episcopal Schools
- E National Association of Independent Schools
- F National Catholic Educational Association
- G National Society of Hebrew Day Schools
- H The Association of Boarding Schools
- I Other (Please specify): \_\_\_\_\_
- J Not affiliated with any organization

5. What is the current enrollment in your school?

6. Approximately what percentage of eighth-graders in your school is new this year?

 %

7. 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%

8. 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%

9. Last school year, approximately what percentage of students at your school enrolled after the first day of school?

- Ⓐ 0%
- Ⓑ 1–3%
- Ⓒ 4–6%
- Ⓓ 7–10%
- Ⓔ 11–20%
- Ⓕ Over 20%

10. 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%

11. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%



12. 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%

13. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No

14. 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).

15. If your school distributes free lunch to all students under Provision 2 or 3, what was the **base year** during which individual student eligibility was collected?

- Ⓐ This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.
- Ⓑ 2017
- Ⓒ 2016
- Ⓓ 2015
- Ⓔ 2014
- Ⓕ 2013
- Ⓖ 2012 or earlier

16. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–25%
  - Ⓔ 26–34%
  - Ⓕ 35–50%
  - Ⓖ 51–75%
  - Ⓗ 76–99%
  - Ⓘ 100%

17. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)
- Ⓐ No
  - Ⓑ Yes, our school receives funds, which are targeted to eligible students.
  - Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

18. Approximately what percentage of students in your school receives the following services? Select **one** circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

	None	1-5%	6-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Targeted Title I services	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241931
b. Gifted and talented program	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241922
c. Instruction provided in student's home language (non-English)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241923
d. English-as-a-second-language (not in a bilingual education program)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241924
e. Special education	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	VH241925

19. 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

20. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241940
b. Attend teacher–parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241939

For all teacher counts entered in this item:

*INCLUDE these types of teachers:*

- Regular
- Special area or resource teachers (e.g., special education, Title I, art, music, physical education)
- Long-term substitute teachers

*INCLUDE these types of teachers:*

- Itinerant teachers who teach part-time at this school
- Employees reported in other items of this section if they also have a part-time teaching assignment at this school

*DO NOT INCLUDE:*

- Student teachers
- Short-term substitute teachers
- Teachers who teach ONLY pre-kindergarten or adult education

21. Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

a. Full-time

\_\_\_\_\_ Full-time teachers

b. Part-time

\_\_\_\_\_ Part-time teachers

22. Does your school, district, or diocese offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

23. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241943
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241942

24. In the last school year, how many full-time teachers were new to your school?

25. 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%

26. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.

- A Desktop computers
- B Laptop computers (including Chromebooks)
- C Tablets (for example, Surface Pro, iPad, Kindle Fire)
- D Other digital devices (Please specify): \_\_\_\_\_

27. What is the average age of the **desktop computers** in your school?

- A Up to 2 years old
- B More than 2 years but less than 4 years old
- C More than 4 years but less than 6 years old
- D 6 years old or more
- E I don't know.

28. 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): \_\_\_\_\_

29. What is the total number of **laptop computers** (including Chromebooks) available for students in your school? Enter the number of laptop computers.

30. What is the average age of the **laptop computers** (including Chromebooks) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

31. In your school, where are **laptop computers** (including Chromebooks) available for students to work? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_

32. What is the total number of **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.

33. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

34. In your school, where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_



35. In your school, is there a wireless Internet connection that students can use for schoolwork?

- A Yes, everywhere or almost everywhere in the school.
- B Yes, in some areas of the school.
- C No

36. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

- A Yes, we are partnering with a provider outside the school.
- B Yes, we have technical support staff in the school.
- C No

37. 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 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
d. 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

## **Appendix F-3d: 2018 Cognitive Interviews Grade 8 Core**

1. Are the following factors considered when students are admitted to your school? Select **one** circle in each row.

	Yes	No	
a. Student's record of academic performance	<input type="radio"/> A	<input type="radio"/> B	VH812915
b. Student's scores on an entrance test	<input type="radio"/> A	<input type="radio"/> B	VH812917
c. Recommendation of feeder schools	<input type="radio"/> A	<input type="radio"/> B	VH812918
d. Parents' endorsement of the instructional or religious philosophy of the school	<input type="radio"/> A	<input type="radio"/> B	VH812919
e. Whether the student requires or is interested in a special program	<input type="radio"/> A	<input type="radio"/> B	VH812920
f. Preference given to family members of current or former students	<input type="radio"/> A	<input type="radio"/> B	VH812921
g. Residence in a particular area	<input type="radio"/> A	<input type="radio"/> B	VH812922
h. Qualitative information obtained from the student (e.g., student essays or interviews)	<input type="radio"/> A	<input type="radio"/> B	VH812923
i. Other (please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH812924

## **Appendix F-3e: 2018 Pilot Grade 12 Core (SCP)**

1. What is your sex?

- Ⓐ Male
- Ⓑ Female

2. 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

3. 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 (Please specify): \_\_\_\_\_

4. Please identify the organization(s) listed below to which your school is most closely affiliated. Select **all** squares that apply.

- A American Association of Christian Schools
- B Association of Christian Schools International
- C Christian Schools International
- D National Association of Episcopal Schools
- E National Association of Independent Schools
- F National Catholic Educational Association
- G National Society of Hebrew Day Schools
- H The Association of Boarding Schools
- I Other (Please specify): \_\_\_\_\_
- J Not affiliated with any organization

5. What is the current enrollment in your school?

6. Approximately what percentage of twelfth-graders in your school is new this year?

   %

7. 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%

8. 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%

9. Last school year, approximately what percentage of students at your school left before the end of the school year?

- Ⓐ 0%
- Ⓑ 1–3%
- Ⓒ 4–6%
- Ⓓ 7–10%
- Ⓔ 11–20%
- Ⓕ Over 20%

10. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.)

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%

11. 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%

12. Does your school participate in the National School Lunch Program?

- Ⓐ Yes
- Ⓑ No



13. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch.
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

14. If your school distributes free lunch to all students under Provision 2 or 3, what was the **base year** during which individual student eligibility was collected?

- Ⓐ This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.
- Ⓑ 2017
- Ⓒ 2016
- Ⓓ 2015
- Ⓔ 2014
- Ⓕ 2013
- Ⓖ 2012 or earlier

15. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–34%
- Ⓕ 35–50%
- Ⓖ 51–75%
- Ⓗ 76–99%
- Ⓘ 100%

16. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)

- A No
- B Yes, our school receives funds, which are targeted to eligible students.
- C Yes, our school receives funds, which are used for schoolwide purposes.

17. Approximately what percentage of students in your school receives the following services? Select **one** circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

VH241920

	None	1-5%	6-10%	11-25%	26-50%	51-75%	76-90%	Over 90%	
a. Targeted Title I services	<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	VH241931
b. Gifted and talented program	<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	VH241922
c. Instruction provided in student's home language (non-English)	<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	VH241923
d. English-as-a-second-language (not in a bilingual education program)	<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	VH241924
e. Special education	<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	VH241925

18. Of the students in last year’s graduating class, approximately what percentage is doing each of the following? Select **one** circle in each row.

	0–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	I don’t know.	
a. Attending a two-year 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	VH241933
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	VH241935
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	VH241934
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	VH241937
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	VH241936

19. Does your school offer any of the following services to students on a regular basis? Select **one** circle in each row.

	Yes	No	
a. Career and technical education workshops	<input type="radio"/> A	<input type="radio"/> B	VH741200
b. Career counseling services or programs	<input type="radio"/> A	<input type="radio"/> B	VH741201
c. Job placement services	<input type="radio"/> A	<input type="radio"/> B	VH741202
d. Career days or job fairs	<input type="radio"/> A	<input type="radio"/> B	VH741203
e. Career or employment readiness workshops	<input type="radio"/> A	<input type="radio"/> B	VH741204

20. 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

21. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH241940
b. Attend teacher–parent conferences	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH241939

For all teacher counts entered in this item:

*INCLUDE these types of teachers:*

- *Regular*
- *Special area or resource teachers (e.g., special education, Title I, art, music, physical education)*
- *Long-term substitute teachers*

*INCLUDE these types of teachers:*

- *Itinerant teachers who teach part-time at this school*
- *Employees reported in other items of this section if they also have a part-time teaching assignment at this school*

*DO NOT INCLUDE:*

- *Student teachers*
- *Short-term substitute teachers*
- *Teachers who teach ONLY pre-kindergarten or adult education*

22. Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

**a. Full-time**

\_\_\_\_\_ Full-time teachers

**b. Part-time**

\_\_\_\_\_ Part-time teachers

23. Does your school, district, or diocese offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No

24. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select **one** circle in each row.

	0–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Non-tenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241943
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241942

25. In the last school year, how many full-time teachers were new to your school?

26. Of the full-time teachers who were new to your school last year, what percentage stayed on as full-time teachers for this school year?

- Ⓐ 0–10%
- Ⓑ 11–25%
- Ⓒ 26–50%
- Ⓓ 51–75%
- Ⓔ 76–90%
- Ⓕ Over 90%

27. 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 (including Chromebooks)
- C Tablets (for example, Surface Pro, iPad, Kindle Fire)
- D Other digital devices (Please specify): \_\_\_\_\_

28. What is the average age of the **desktop computers** in your school?

- A Up to 2 years old
- B More than 2 years but less than 4 years old
- C More than 4 years but less than 6 years old
- D 6 years old or more
- E I don't know.

29. 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): \_\_\_\_\_

30. What is the total number of **laptop computers** (including Chromebooks) available for students in your school? Enter the number of laptop computers.

31. What is the average age of the **laptop computers** (including Chromebooks) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

32. In your school, where are **laptop computers** (including Chromebooks) available for students to work? Select **all** squares that apply.

- Ⓐ In some classrooms
- Ⓑ In all classrooms
- Ⓒ In a media center
- Ⓓ In a computer lab
- Ⓔ In the school library
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_



33. 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.

34. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

- Ⓐ Up to 2 years old
- Ⓑ More than 2 years but less than 4 years old
- Ⓒ More than 4 years but less than 6 years old
- Ⓓ 6 years old or more
- Ⓔ I don't know.

35. 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
- Ⓕ On mobile carts
- Ⓖ Other (Please specify): \_\_\_\_\_

36. In your school, is there a wireless Internet connection that students can use for schoolwork?

- A Yes, everywhere or almost everywhere in the school.
- B Yes, in some areas of the school.
- C No

37. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

- A Yes, we are partnering with a provider outside the school.
- B Yes, we have technical support staff in the school.
- C No

38. 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 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
d. 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

## **Appendix F-3f: 2018 Cognitive Interviews Grade 12 Core**

1. Are the following factors considered when students are admitted to your school? Select **one** circle in each row.

	Yes	No	
a. Student's record of academic performance	<input type="radio"/> A	<input type="radio"/> B	VH812915
b. Student's scores on an entrance test	<input type="radio"/> A	<input type="radio"/> B	VH812917
c. Recommendation of feeder schools	<input type="radio"/> A	<input type="radio"/> B	VH812918
d. Parents' endorsement of the instructional or religious philosophy of the school	<input type="radio"/> A	<input type="radio"/> B	VH812919
e. Whether the student requires or is interested in a special program	<input type="radio"/> A	<input type="radio"/> B	VH812920
f. Preference given to family members of current or former students	<input type="radio"/> A	<input type="radio"/> B	VH812921
g. Residence in a particular area	<input type="radio"/> A	<input type="radio"/> B	VH812922
h. Qualitative information obtained from the student (e.g., student essays or interviews)	<input type="radio"/> A	<input type="radio"/> B	VH812923
i. Other (please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH812924

## **Appendix F-3g: 2018 Operational Grade 4 Charter 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

2. In which year did your school start providing instruction as a charter school?

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

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	VH241947
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VH241951
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VH241946
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VH241953
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VH241952
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH241948
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VH241945
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH241950
i. Other (specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH259448



**Appendix F-3h: 2018 Cognitive Interviews Grade 4 Charter School**

1. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH812945
b. School separation policy	<input type="radio"/> A	<input type="radio"/> B	VH812946
c. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH812947

2. How many charter schools are operated by this company or organization?

- A My charter school is not operated by a company or organization that operates other charter schools
- B Two to four schools
- C Five to nine schools
- D Ten or more schools

3. Is your school a for-profit or nonprofit charter school?

- A For-profit
- B Nonprofit

4. How many days per school year is your school open for instruction? Enter the number of days.

days

5. What is the total instructional time, excluding breaks, in a typical school day? Enter the number of hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per day

## **Appendix F-3i: 2018 Operational Grade 8 Charter 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

2. In which year did your school start providing instruction as a charter school?

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

8. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	<b>Yes</b>	<b>No</b>	
a. Dress code	<input type="radio"/> A	<input type="radio"/> B	VH241947
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VH241951
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VH241946
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VH241953
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VH241952
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH241948
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VH241945
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH241950
i. Other (specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH259448

**Appendix F-3j: 2018 Cognitive Interviews Grade 8 Charter School**

1. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH812945
b. School separation policy	<input type="radio"/> A	<input type="radio"/> B	VH812946
c. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH812947

2. How many charter schools are operated by this company or organization?

- A My charter school is not operated by a company or organization that operates other charter schools
- B Two to four schools
- C Five to nine schools
- D Ten or more schools

3. Is your school a for-profit or nonprofit charter school?

- A For-profit
- B Nonprofit

4. How many days per school year is your school open for instruction? Enter the number of days.

days

5. What is the total instructional time, excluding breaks, in a typical school day? Enter the number of hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per day



## **Appendix F-3k: 2018 Operational Grade 12 Charter 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

2. In which year did your school start providing instruction as a charter school?

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

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	VH241947
b. Home learning environment	<input type="radio"/> A	<input type="radio"/> B	VH241951
c. Homework	<input type="radio"/> A	<input type="radio"/> B	VH241946
d. Parent-teacher communication	<input type="radio"/> A	<input type="radio"/> B	VH241953
e. Parent volunteering	<input type="radio"/> A	<input type="radio"/> B	VH241952
f. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH241948
g. Student attendance	<input type="radio"/> A	<input type="radio"/> B	VH241945
h. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH241950
i. Other (specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH259448

**Appendix F-3l: 2018 Cognitive Interviews Grade 12 Charter School**

1. Are the following elements addressed in your charter-parent contract? Select **one** circle in each row.

	Yes	No	
a. School discipline policy	<input type="radio"/> A	<input type="radio"/> B	VH812945
b. School separation policy	<input type="radio"/> A	<input type="radio"/> B	VH812946
c. Student promotion policy	<input type="radio"/> A	<input type="radio"/> B	VH812947

2. How many charter schools are operated by this company or organization?

- A My charter school is not operated by a company or organization that operates other charter schools
- B Two to four schools
- C Five to nine schools
- D Ten or more schools

3. Is your school a for-profit or nonprofit charter school?

- A For-profit
- B Nonprofit

4. How many days per school year is your school open for instruction? Enter the number of days.

days

5. What is the total instructional time, excluding breaks, in a typical school day? Enter the number of hours and minutes.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per day

## **Appendix F-3m: 2017 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 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

**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?
- A Yes, available full-time to fourth-grade students
  - B Yes, available part-time to fourth-grade students
  - C 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 one-on-one help to students on various reading topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259934
b. Provide one-on-one help to students at various achievement levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259935

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 English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240567
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240566

6. To what extent is your school's English/language arts program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240607
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240606
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240609
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH586890
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240608
f. Recommendations from school English/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240611
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240612
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240614
i. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240610

7. 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. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335509
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335508
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH586820

8. To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?

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

9. 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.

	<b>Yes</b>	<b>No</b>	
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

10. 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

11. How much is your school’s ability to provide instruction affected by a lack of the following resources? Select **one** circle in each row.

	Not at all	A little	Some	A lot	
a. Teachers with a specialization in English/language arts	<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: 2018 Cognitive Interviews Grade 4 Reading**

1. To what extent does your school provide up-to-date technology and resources for English/language arts teaching and learning?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

2. In addition to their regular classroom teacher, are there any additional full- or part-time English/language arts staff (e.g., English/language arts specialist, literacy coach, or speech pathologist) **available to fourth-grade students** at your school?
- Ⓐ Yes, available full-time to fourth-grade students
  - Ⓑ Yes, available part-time to fourth-grade students
  - Ⓒ No

3. To what extent is each of the following a responsibility of the additional English/language arts staff available to fourth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide English/language arts course-related support, remediation, or intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813032
b. Provide English/language arts course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813033
c. Provide English/language arts enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813034
d. Provide English/language arts enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813035
e. Provide instruction for gifted and talented students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813037
f. Provide instruction for students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813038
g. Provide instruction for English-language learners (ELL)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813039

4. Are there any additional full- or part-time English/language arts staff (e.g., reading coach or supervisor, English/language arts lead teacher or department head) **available to fourth-grade teachers** at your school?

- Ⓐ Yes, available full-time to fourth-grade teachers
- Ⓑ Yes, available part-time to fourth-grade teachers
- Ⓒ No



5. To what extent is each of the following a responsibility of the additional English/language arts staff available to fourth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813098
b. Provide assistance/support to individual teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813099
c. Provide assistance/support to individual or groups of teachers with testing and collecting data	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813100
d. Provide assistance/support to individual or groups of teachers in using technology and media to support reading/English/language arts instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813101

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	VH813482
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813483
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813484
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	VH813485
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	VH813487
f. Instructional strategies for teaching English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813488
g. Integrating media and/or new technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813489

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	VH813491
b. Computer software for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813492
c. Library books	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813493
d. Class sets of books (e.g., literature books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813494

## **Appendix F-3o: 2017 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 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

**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?
- A Yes, available full-time to eighth-grade students
  - B Yes, available part-time to eighth-grade students
  - C 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 one-on-one help to students on various reading topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259962
b. Provide one-on-one help to students at various achievement levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259963

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240604
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240603

6. To what extent is your school's English/language arts program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240607
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240606
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240609
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH586890
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240608
f. Recommendations from school English/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240611
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240612
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240614
i. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240610

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. District assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240618
b. State assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240619
c. School assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240617

8. To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?

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

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 students with disabilities (SD)? Select **one** circle in each row.

	<b>Yes</b>	<b>No</b>	
a. Special Education teachers (and related service providers)	Ⓐ	Ⓑ	VH240621
b. Reading specialists or literacy coaches	Ⓐ	Ⓑ	VH240622
c. Speech pathologists	Ⓐ	Ⓑ	VH240623
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	Ⓐ	Ⓑ	VH240624
e. Paraprofessionals or teacher aides who are not trained to work with students with disabilities	Ⓐ	Ⓑ	VH240627
f. Parent volunteers	Ⓐ	Ⓑ	VH240626



10. 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	VH240708
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VH240705
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VH240706
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH240710
e. Paraprofessionals or teacher aides who are not trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH240707
f. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VH240709

11. How much is your school's ability to provide instruction affected by a lack of the following resources? Select **one** circle in each row.

	Not at all	A little	Some	A lot	
a. Teachers with a specialization in English/language arts	<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-3p: 2018 Cognitive Interviews Grade 8 Reading**

1. To what extent does your school provide up-to-date technology and resources for English/language arts teaching and learning?
- Ⓐ Not at all
  - Ⓑ Small extent
  - Ⓒ Moderate extent
  - Ⓓ Large extent

2. In addition to their regular English/language arts teacher, are there any additional full- or part-time English/language arts staff (e.g., English/language arts specialist, literacy coach, or speech pathologist) **available to eighth-grade students** at your school?
- Ⓐ Yes, available full-time to eighth-grade students
  - Ⓑ Yes, available part-time to eighth-grade students
  - Ⓒ No

3. To what extent is each of the following a responsibility of the additional English/language arts staff available to eighth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide English/language arts course-related support, remediation, or intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813106
b. Provide English/language arts course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813107
c. Provide English/language arts enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813108
d. Provide English/language arts enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813109
e. Provide instruction for gifted and talented students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813110
f. Provide instruction for students with special needs (e.g., physical disabilities, mental or emotional/psychological impairment)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813111
g. Provide instruction for English-language learners (ELL)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813112

4. Are there any additional full- or part-time English/language arts staff (e.g., reading coach or supervisor, English/language arts lead teacher or department head) **available to eighth-grade teachers** at your school?

- Ⓐ Yes, available full-time to eighth-grade teachers
- Ⓑ Yes, available part-time to eighth-grade teachers
- Ⓒ No

5. To what extent is each of the following a responsibility of the additional English/language arts staff available to eighth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide assistance/support to individual teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813168
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813169
c. Provide assistance/support to individual or groups of teachers with testing and collecting data	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813171
d. Provide assistance/support to individual or groups of teachers in using technology and media to support reading/English/language arts instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH813172

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	VH813482
b. Interpreting and analyzing literature	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813483
c. Interpreting and analyzing informational texts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813484
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	VH813485
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	VH813487
f. Instructional strategies for teaching English/language arts	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813488
g. Integrating media and/or new technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813489

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	VH813491
b. Computer software for English/language arts instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813492
c. Library books	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813493
d. Class sets of books (e.g., literature books)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH813494

**Appendix F-3q: 2017 Pilot Grade 8 Core, Reading, Mathematics (All Subjects)**

1. Does your school, district, or diocese offer tenure to teachers?

- A Yes
- B No

**Question 2** asks about reading specialists.

*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 question 2 based on the roles as defined in this paragraph.

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 al	Small extent	Moderate extent	Large extent	
a. Provide one-on-one help to students with various reading strategies (e.g., basic comprehension, making inferences, building vocabulary)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH562871
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	VH259963



3. 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 (ELLs)? Select **one** circle in each row.

	Yes	No	
a. Certified ELL/bilingual education teachers	<input type="radio"/> A	<input type="radio"/> B	VH562377
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VH562374
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VH562375
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH562376
e. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VH562378

4. 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	VH240920
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240921
c. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547491
d. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547492
e. Results from school-level assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547493
f. Recommendations from school mathematics department or teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547495
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240926
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240927
i. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240925

## **Appendix F-3r: 2018 Pilot 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 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

**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?
- A Yes, available full-time to twelfth-grade students
  - B Yes, available part-time to twelfth-grade students
  - C No

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 one-on-one help to students with various reading strategies (e.g., basic comprehension, making inferences, building vocabulary)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240715
b. Provide one-on-one help to students at various achievement levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240716

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

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240720
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240719

6. To what extent is your school's English/language arts program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240607
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240606
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240609
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH586890
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240608
f. Recommendations from school English/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240611
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240612
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240614
i. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240610

7. To what extent does your school's twelfth-grade English/language arts curriculum focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240724
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240725
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240723

8. To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?

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

9. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for twelfth-grade students with disabilities (SD)? Select **one** circle in each row.

	Yes	No	
a. Special Education teachers (and related service providers)	<input type="radio"/>	<input type="radio"/>	VH240727
b. Reading specialists or literacy coaches	<input type="radio"/>	<input type="radio"/>	VH240728
c. Speech pathologists	<input type="radio"/>	<input type="radio"/>	VH240729
d. Paraprofessionals or teacher aides who are trained to work with students with disabilities	<input type="radio"/>	<input type="radio"/>	VH240733
e. Parent volunteers	<input type="radio"/>	<input type="radio"/>	VH240730

10. In addition to English/language arts teachers, does your school have the following personnel to assist with English/language arts class instruction for twelfth-grade English language learners (ELL)? Select **one** circle in each row.

	Yes	No	
a. Reading specialists or literacy coaches	<input type="radio"/>	<input type="radio"/>	VH240735
b. Speech pathologists	<input type="radio"/>	<input type="radio"/>	VH240736
c. Certified ELL/bilingual education teachers	<input type="radio"/>	<input type="radio"/>	VH240737
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/>	<input type="radio"/>	VH240741
e. Parent volunteers	<input type="radio"/>	<input type="radio"/>	VH240738

11. How much is your school's ability to provide instruction affected by a lack of the following resources? Select **one** circle in each row.

	Not at all	A little	Some	A lot	
a. Teachers with a specialization in English/language arts	<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

12. Does your school offer online English/language arts courses for credit?

- A Yes  
 B No



13. Are courses of at least one semester in length taught in your school in each of the following subjects? Select **one** circle in each row.

	Yes	No	
a. Advanced Placement English Language and Composition	Ⓐ	Ⓑ	VH240743
b. Advanced Placement English Literature and Composition	Ⓐ	Ⓑ	VH240745
c. English language and composition (beyond an introductory course)	Ⓐ	Ⓑ	VH240747
d. English literature and composition (beyond an introductory course)	Ⓐ	Ⓑ	VH240748
e. International Baccalaureate <sup>®</sup> Language A1	Ⓐ	Ⓑ	VH240746

14. Approximately what percentage of students in this year’s graduating class has enrolled in an English/language arts academic course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate<sup>®</sup> courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH240751
b. On a postsecondary campus	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH240752
c. Through distance learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH240753

## **Appendix F-3s: 2017 Operational Grade 4 Mathematics**

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

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.

3. This year, how many fourth-grade teachers are teaching mathematics in your school? Enter the number of teachers.

**Questions 4 and 5** ask about mathematics coaches.

*Mathematics resource teachers* provide additional instructional support to students and have special expertise in assessing and diagnosing students' mathematics strengths and needs to assist with learning and understanding.

*Mathematics coaches* work with teachers to help them implement and use strategies to improve their students' ability to use mathematics in their classes.

In some schools, a single person may serve in both roles regardless of the title they have. Please answer questions 4 and 5 based on the roles as defined in this paragraph.

4. 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 5 is not applicable and will be skipped.*

5. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240916
b. Provide support or assistance about the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240917
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240918

6. 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

7. 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

8. 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	VH240906
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	VH240909
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	VH240908
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	VH240907

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. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240921
b. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240920
c. In-school curriculum frameworks and standards for learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240923
d. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240922
e. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH587964
f. Recommendations from school mathematics department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240930
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240926
h. Results from school assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240924
i. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240927
j. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240925

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. District assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240934
b. State assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240935
c. School assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240933

## **Appendix F-3t: 2018 Cognitive Interviews Grade 4 Mathematics**



2. At each of the following grades, how much emphasis does your school's mathematics curriculum place on instructing students in **algebraic concepts**, such as variables, repeating patterns, and proportional reasoning? Select **one** circle in each row.

	<b>Not taught</b>	<b>No emphasis</b>	<b>Little emphasis</b>	<b>Moderate emphasis</b>	<b>Heavy emphasis</b>	<b>Grade not in school</b>	
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	VH811917
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	VH811918
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	VH811919
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	VH811921

3. In addition to their regular classroom teacher, are there any additional full- or part-time math staff (e.g., a math specialist, math lead teacher, or math supervisor) available 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. Are there any additional full- or part-time math staff (e.g., a math coach, math lead teacher, or math supervisor) available to fourth-grade teachers at your school?
- Ⓐ Yes, available full-time to fourth-grade teachers
  - Ⓑ Yes, available part-time to fourth-grade teachers
  - Ⓒ No

5. Coding classes

## **Appendix F-3u: 2017 Operational Grade 8 Mathematics**

1. In your school, approximately what percentage of eighth-grade students enroll in more than one mathematics class in a year (including summer school or two-block classes) **for remediation or to catch up a grade level**? Do not include students who receive additional mathematics instruction as part of special education or because of IEP provisions.

- Ⓐ 0–10%
- Ⓑ 11–20%
- Ⓒ 21–30%
- Ⓓ 31–40%
- Ⓔ 41–50%
- Ⓕ More than 50%

2. This year, how many teachers are teaching mathematics in your school? Enter the number of teachers.

3. In this school year, what percentage of students have 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%

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

**Questions 5 and 6** ask about mathematics coaches.

*Mathematics resource teachers* provide additional instructional support to students and have special expertise in assessing and diagnosing students' mathematics strengths and needs to assist with learning and understanding.

*Mathematics coaches* work with teachers to help them implement and use strategies to improve their students' ability to use mathematics in their classes.

In some schools, a single person may serve in both roles regardless of the title they have. Please answer questions 5 and 6 based on the roles as defined in this paragraph.

5. 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 6 is not applicable and will be skipped.*

6. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240964
b. Provide support or assistance about the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240966
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240965

7. 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	Ⓐ	Ⓑ	VH270635
b. Peer tutoring in mathematics	Ⓐ	Ⓑ	VH270636
c. Mathematics competitions	Ⓐ	Ⓑ	VH270637
d. Chess clubs	Ⓐ	Ⓑ	VH270638
e. Programming classes	Ⓐ	Ⓑ	VH270640
f. Mathematics clubs	Ⓐ	Ⓑ	VH270641
g. Teacher-led tutoring sessions in mathematics for groups of students	Ⓐ	Ⓑ	VH270643
h. Teacher-led extra-help sessions in mathematics	Ⓐ	Ⓑ	VH270644
i. Family mathematics night	Ⓐ	Ⓑ	VH270645

8. 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. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240921
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240920
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240923
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240922
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH587964
f. Recommendations from school mathematics department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240930
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240926
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240924
i. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240927
j. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240925

9. 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. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240970
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240971
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240969

10. 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.	<input type="radio"/> A	<input type="radio"/> B	VH270660
b. My school provides credit for students who take high school or college mathematics classes.	<input type="radio"/> A	<input type="radio"/> B	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.	<input type="radio"/> A	<input type="radio"/> B	VH270663
d. There are algebra classes offered in my school that are equivalent to algebra classes offered at the high schools in my district.	<input type="radio"/> A	<input type="radio"/> B	VH270664



## **Appendix F-3v: 2018 Cognitive Interviews Grade 8 Mathematics**

2. In this school year, what percentage of students have gone to other schools (neighboring middle school, high school, or college) to receive mathematics instruction?
- Ⓐ 0%
  - Ⓑ 1–5%
  - Ⓒ 6–10%
  - Ⓓ 11–20%
  - Ⓔ 21–30%
  - Ⓕ 31–40%
  - Ⓖ 41–50%
  - Ⓗ More than 50%

3. In addition to their regular classroom teacher, are there any additional full- or part-time math staff (e.g., a math specialist, math lead teacher, or math supervisor) available to eighth-grade students at your school?
- Ⓐ Yes, available full-time to eighth-grade students
  - Ⓑ Yes, available part-time to eighth-grade students
  - Ⓒ No

4. Are there any additional full- or part-time math staff (e.g., a math coach, math lead teacher, or math supervisor) available to eighth-grade teachers at your school?
- Ⓐ Yes, available full-time to eighth-grade teachers
  - Ⓑ Yes, available part-time to eighth-grade teachers
  - Ⓒ No

5. Coding classes

**Appendix F-3w: 2017 Pilot Grade 8 Core, Reading, Mathematics  
(All Subjects)**

1. Does your school, district, or diocese offer tenure to teachers?

- A Yes
- B No

**Question 2** asks about reading specialists.

*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 question 2 based on the roles as defined in this paragraph.

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 al	Small extent	Moderate extent	Large extent	
a. Provide one-on-one help to students with various reading strategies (e.g., basic comprehension, making inferences, building vocabulary)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH562871
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	VH259963

3. 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 (ELLs)? Select **one** circle in each row.

	Yes	No	
a. Certified ELL/bilingual education teachers	<input type="radio"/> A	<input type="radio"/> B	VH562377
b. Reading specialists or literacy coaches	<input type="radio"/> A	<input type="radio"/> B	VH562374
c. Speech pathologists	<input type="radio"/> A	<input type="radio"/> B	VH562375
d. Paraprofessionals or teacher aides who are trained to work with students who are ELL	<input type="radio"/> A	<input type="radio"/> B	VH562376
e. Parent volunteers	<input type="radio"/> A	<input type="radio"/> B	VH562378

4. 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	VH240920
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240921
c. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547491
d. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547492
e. Results from school-level assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547493
f. Recommendations from school mathematics department or teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547495
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240926
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240927
i. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240925

## **Appendix F-3x: 2018 Pilot 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"/>	VH241006
b. Integrated mathematics 3 (third year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241017
c. Integrated mathematics 4 (fourth year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241018
d. Trigonometry	<input type="radio"/>	<input type="radio"/>	VH240991
e. International Baccalaureate® (IB) Mathematics	<input type="radio"/>	<input type="radio"/>	VH241008
f. Advanced Placement (AP®) Calculus AB	<input type="radio"/>	<input type="radio"/>	VH241009
g. Advanced Placement (AP) Calculus BC	<input type="radio"/>	<input type="radio"/>	VH241010
h. Calculus (other than Advanced Placement [AP] Calculus)	<input type="radio"/>	<input type="radio"/>	VH241007
i. Advanced Placement (AP) Statistics	<input type="radio"/>	<input type="radio"/>	VH241011
j. Probability and/or statistics (other than Advanced Placement [AP] Statistics)	<input type="radio"/>	<input type="radio"/>	VH241012
k. Advanced Placement (AP) Computer Science A	<input type="radio"/>	<input type="radio"/>	VH796763
l. Computer science (other than Advanced Placement [AP] Computer Science)	<input type="radio"/>	<input type="radio"/>	VH241016

4. Which of the following mathematics courses are required for high school graduation? Select **one** circle in each row.

	Yes	No	
a. Algebra I	<input type="radio"/>	<input type="radio"/>	VH241022
b. Geometry	<input type="radio"/>	<input type="radio"/>	VH241023
c. Algebra II	<input type="radio"/>	<input type="radio"/>	VH241024
d. Statistics/Probability	<input type="radio"/>	<input type="radio"/>	VH241025
e. Integrated mathematics 1 (first year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241032
f. Integrated mathematics 2 (second year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241033
g. Integrated mathematics 3 (third year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241034
h. Integrated mathematics 4 (fourth year of a multi-year course)	<input type="radio"/>	<input type="radio"/>	VH241028
i. Other mathematics course (Please specify): _____	<input type="radio"/>	<input type="radio"/>	VH241031

5. In your school, approximately what percentage of twelfth-grade students enroll in more than one mathematics class in a year (including summer school or two-block classes) **for remediation or to catch up a grade level**? Do not include students who receive additional mathematics instruction as part of special education or because of IEP provisions.

- 0–10%  
 11–20%  
 21–30%  
 31–40%  
 41–50%  
 More than 50%

6. This year, how many teachers are teaching mathematics in your school? Enter the number of teachers.

7. In this school year, what percentage of students have gone to other schools (neighboring high school or college) to receive mathematics instruction?

- Ⓐ 0–10%
- Ⓑ 11–20%
- Ⓒ 21–30%
- Ⓓ 31–40%
- Ⓔ 41–50%
- Ⓕ More than 50%

8. 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

**Questions 9 and 10** ask about mathematics coaches.

*Mathematics resource teachers* provide additional instructional support to students and have special expertise in assessing and diagnosing students' mathematics strengths and needs to assist with learning and understanding.

*Mathematics coaches* work with teachers to help them implement and use strategies to improve their students' ability to use mathematics in their classes.

In some schools, a single person may serve in both roles regardless of the title they have. Please answer questions 9 and 10 based on the roles as defined in this paragraph.

VH240080

9. Is there a mathematics coach available (full- or part-time) to twelfth-grade teachers at your school?
- Ⓐ Yes, available full-time to twelfth-grade teachers
  - Ⓑ Yes, available part-time to twelfth-grade teachers
  - Ⓒ No

VH241043

10. To what extent are each of the following a responsibility of the mathematics coach(es) available to twelfth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support or assistance about mathematics content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241044
b. Provide support or assistance about the teaching of mathematics to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241046
c. Conduct professional development about mathematics or the teaching of mathematics for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241045

11. In this school year, did your school offer any of the following activities? Select **one** circle in each row.

	Yes	No	
a. Opportunities for students to discuss mathematics work, including homework, with their teachers	<input type="radio"/>	<input type="radio"/>	VH270635
b. Peer tutoring in mathematics	<input type="radio"/>	<input type="radio"/>	VH270636
c. Mathematics competitions	<input type="radio"/>	<input type="radio"/>	VH270637
d. Chess clubs	<input type="radio"/>	<input type="radio"/>	VH270638
e. Programming classes	<input type="radio"/>	<input type="radio"/>	VH270640
f. Mathematics clubs	<input type="radio"/>	<input type="radio"/>	VH270641
g. Teacher-led tutoring sessions in mathematics for groups of students	<input type="radio"/>	<input type="radio"/>	VH270643
h. Teacher-led extra-help sessions in mathematics	<input type="radio"/>	<input type="radio"/>	VH270644
i. Family mathematics night	<input type="radio"/>	<input type="radio"/>	VH270645

12. To what extent is your school's mathematics program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240920
b. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240921
c. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240922
d. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH587964
e. Results from school-level assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547493
f. Recommendations from school mathematics department or teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH547495
g. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240926
h. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240927
i. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240925

13. To what extent does your school's twelfth-grade mathematics curriculum focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District assessments	(A)	(B)	(C)	(D)	VH733487
b. State assessments	(A)	(B)	(C)	(D)	VH733486
c. School assessments (e.g., quizzes or tests created by teachers)	(A)	(B)	(C)	(D)	VH733485

14. Approximately what percentage of students in this year's graduating class has enrolled in a distance learning course for the following subjects? Select **one** circle in each row. (Distance learning courses are defined for this survey as credit-granting courses in which the teacher and student are in different locations. They can be delivered via audio, video, or Internet or other computer technologies. They may originate from your school or another entity.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. English/ language arts	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241062
b. Mathematics	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241063
c. Social studies	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241064
d. Science	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241065
e. Computer science	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241066
f. Foreign languages	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241067
g. Career and technical/ vocational	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241068
h. Other (Please specify): _____	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241069

15. Approximately what percentage of students in this year’s graduating class has enrolled in a mathematics academic course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate® courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241071
b. On a postsecondary campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241072
c. Through distance learning	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241074
d. Other (Please specify): _____	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241076



16. Approximately what percentage of students in this year’s graduating class has enrolled in a career and technical/vocational course for dual credit taught at the following locations? Select **one** circle in each row.

(Dual credit is defined for this survey as a course or program where high school students can earn both high school and postsecondary credits for the same courses. Postsecondary institutions include public and private 2- or 4-year colleges or universities, community colleges, and technical or vocational schools. The dual credit options must either be legislated by your state or have an articulated or formal written agreement between your school and a postsecondary institution. Do NOT include Advanced Placement and International Baccalaureate® courses.)

	0%	1–5%	6–10%	11–25%	26–50%	51–75%	Over 75%	
a. On your high school campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241078
b. On a postsecondary campus	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241079
c. Through distance learning	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241080
d. Other (Please specify): _____	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH241082

## **Appendix F-3y: 2018 Pilot Grade 4 Science**

1. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to fourth-grade students at your school?
- A Yes, available full-time to fourth-grade students
  - B Yes, available part-time to fourth-grade students
  - C No

2. To what extent is each of the following a responsibility of the additional science staff available to fourth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide science course-related support, remediation, or intervention to individual students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241297
b. Provide science course-related support, remediation, or intervention to groups of students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241298
c. Provide science enrichment to individual students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241299
d. Provide science enrichment to groups of students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241300

3. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to fourth-grade teachers at your school?

- A Yes, available full-time to fourth-grade teachers
- B Yes, available part-time to fourth-grade teachers
- C No

4. To what extent is each of the following a responsibility of the additional science staff available to fourth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241302
b. Provide technical support/assistance with lab equipment to individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640260
c. Conduct professional development about science or the teaching of science for groups of teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241303

5. To what extent is your school's science program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241307
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241306
c. Standards or frameworks common to several states	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH705771
d. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241309
e. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241314
f. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH640850
g. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH640851
h. Results from national assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH705772
i. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241312
j. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241313
k. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH640857

6. To what extent do your school's fourth-grade science curricula focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241319
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241318
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640864

7. To what extent does your school provide up-to-date technology resources for science teaching and learning?

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

8. Does your school have laboratory facilities for fourth-grade science instruction?

- A Yes
- B No

9. To what extent do your school's science laboratories that are available for fourth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241321
b. Student lab stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241322
c. Storage areas for chemicals and other supplies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241323
d. Electricity (for example, power outlets for using lab equipment)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241324
e. Running water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241330
f. Gas for burners	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241326
g. Hoods or air hoses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241327
h. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241328
i. Computers and other digital devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241329
j. Internet connection	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241325

10. In this school year, are any of the following types of science clubs offered to fourth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	<input type="radio"/> A	<input type="radio"/> B	VH640872
b. Teacher volunteered (initiated and run by individual teachers)	<input type="radio"/> A	<input type="radio"/> B	VH241363
c. School sponsored (initiated by school and run by school designated personnel)	<input type="radio"/> A	<input type="radio"/> B	VH241365
d. Partnered with external agencies (e.g., universities, science museums, or companies)	<input type="radio"/> A	<input type="radio"/> B	VH241364

11. To what extent does your school provide fourth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241367
b. Science competitions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241368
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241369



## **Appendix F-3z: 2018 Pilot Grade 8 Science**

1. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to eighth-grade students at your school?
- Ⓐ Yes, available full-time to eighth-grade students
  - Ⓑ Yes, available part-time to eighth-grade students
  - Ⓒ No

2. To what extent is each of the following a responsibility of the additional science staff available to eighth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide science course-related support, remediation, or intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241371
b. Provide science course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241372
c. Provide science enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241373
d. Provide science enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241374

3. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to eighth-grade teachers at your school?

- A Yes, available full-time to eighth-grade teachers
- B Yes, available part-time to eighth-grade teachers
- C No

4. To what extent is each of the following a responsibility of the additional science staff available to eighth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241376
b. Provide technical support/assistance with lab equipment to individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640268
c. Conduct professional development about science or the teaching of science for groups of teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241377

5. To what extent is your school's science program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241307
b. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241306
c. Standards or frameworks common to several states	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH705771
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	VH241309
e. Results from school assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241314
f. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640850
g. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640851
h. Results from national assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH705772
i. Recommendations from school science department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241311
j. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241312
k. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241313
l. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640857

6. To what extent do your school’s eighth-grade science curricula focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241383
b. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241382
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH643937

7. To what extent does your school provide up-to-date technology resources for science teaching and learning?

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

8. Does your school have laboratory facilities for eighth-grade science instruction?

- A Yes
- B No

9. To what extent do your school's science laboratories that are available for eighth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241385
b. Internet connection	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241389
c. Student lab stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241386
d. Storage areas for chemicals and other supplies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241387
e. Electricity (for example, power outlets for using lab equipment)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241388
f. Running water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241394
g. Gas for burners	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241390
h. Hoods or air hoses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241391
i. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241392
j. Computers and other digital devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241393

10. In this school year, are any of the following types of science clubs offered to eighth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	<input type="radio"/> A	<input type="radio"/> B	VH643916
b. Teacher volunteered (initiated and run by individual teachers)	<input type="radio"/> A	<input type="radio"/> B	VH241447
c. School sponsored (initiated by school and run by school designated personnel)	<input type="radio"/> A	<input type="radio"/> B	VH241449
d. Partnered with external agencies (e.g., universities, science museums, or companies)	<input type="radio"/> A	<input type="radio"/> B	VH241448

11. To what extent does your school provide eighth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	Ⓐ	Ⓑ	Ⓒ	VH241452
b. Science competitions	Ⓐ	Ⓑ	Ⓒ	VH241453
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	Ⓐ	Ⓑ	Ⓒ	VH241454

## **Appendix F-3aa: 2018 Pilot 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 <sup>®</sup> Biology	<input type="radio"/> A	<input type="radio"/> B	VH240997
b. Advanced physics (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VH240996
c. Advanced biology (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VH240994
d. Advanced chemistry (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VH240995
e. International Baccalaureate <sup>®</sup> Design Technology	<input type="radio"/> A	<input type="radio"/> B	VH241004
f. Advanced technology (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VH241005
g. International Baccalaureate Chemistry	<input type="radio"/> A	<input type="radio"/> B	VH241002
h. International Baccalaureate Physics	<input type="radio"/> A	<input type="radio"/> B	VH241003
i. International Baccalaureate Biology	<input type="radio"/> A	<input type="radio"/> B	VH240986
j. Advanced environmental science (beyond an introductory course)	<input type="radio"/> A	<input type="radio"/> B	VH241019
k. International Baccalaureate Environmental Systems and Societies	<input type="radio"/> A	<input type="radio"/> B	VH241001
l. Advanced Placement Environmental Science	<input type="radio"/> A	<input type="radio"/> B	VH240998
m. Advanced Placement Chemistry	<input type="radio"/> A	<input type="radio"/> B	VH240999
n. Advanced Placement Physics C	<input type="radio"/> A	<input type="radio"/> B	VH241000
o. Advanced Placement Physics 1	<input type="radio"/> A	<input type="radio"/> B	VH748759
p. Advanced Placement Physics 2	<input type="radio"/> A	<input type="radio"/> B	VH748760
q. Advanced Placement Computer Science A	<input type="radio"/> A	<input type="radio"/> B	VH241013
r. Advanced Placement Computer Science Principles	<input type="radio"/> A	<input type="radio"/> B	VH748761

4. In addition to their regular classroom teacher, are there any additional full- or part-time science staff (e.g., a science specialist, science lead teacher, science supervisor, or science department head) available to twelfth-grade students at your school?

- A Yes, available full-time to twelfth-grade students
- B Yes, available part-time to twelfth-grade students
- C No

5. To what extent is each of the following a responsibility of the additional science staff available to twelfth-grade students at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide science course-related support, remediation, or intervention to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241456
b. Provide science course-related support, remediation, or intervention to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241457
c. Provide science enrichment to individual students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241458
d. Provide science enrichment to groups of students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241459

6. Are there any additional full- or part-time science staff (e.g., a science coach, science lead teacher, science supervisor, or science department head) available to twelfth-grade teachers at your school?
- Ⓐ Yes, available full-time to twelfth-grade teachers
  - Ⓑ Yes, available part-time to twelfth-grade teachers
  - Ⓒ No

7. To what extent is each of the following a responsibility of the additional science staff available to twelfth-grade teachers at your school? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Provide support/assistance with science content or the teaching of science to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241461
b. Provide technical support/assistance with lab equipment to individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH640273
c. Conduct professional development about science or the teaching of science for groups of teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241462

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. District curriculum standards or curriculum guides	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241307
b. State curriculum standards or frameworks	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241306
c. Standards or frameworks common to several states	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH705771
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	VH241309
e. Results from school assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241314
f. Results from district assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640850
g. Results from state assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640851
h. Results from national assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH705772
i. Recommendations from school science department	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241311
j. Discretion of individual teachers	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241312
k. Commercially designed programs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241313
l. Resources found on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH640857

9. To what extent does your school provide up-to-date technology resources for science teaching and learning?

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

10. Does your school have laboratory facilities for twelfth-grade science instruction?

- A Yes
- B No

11. To what extent do your school's science laboratories that are available for twelfth-grade instruction have the following features? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Demonstration stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241465
b. Student lab stations	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241466
c. Storage areas for chemicals and other supplies	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241467
d. Electricity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241468
e. Running water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241469
f. Gas for burners	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241470
g. Hoods or air hoses	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241471
h. Safety equipment (e.g., goggles, fire extinguishers, or eye wash stations)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241472
i. Computers and other digital devices	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241473
j. Internet connection	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH241474

12. In this school year, are any of the following types of science clubs offered to twelfth-grade students in your school? Select **one** circle in each row.

	Yes	No	
a. Parent volunteered (initiated and run by individual parents)	<input type="radio"/> A	<input type="radio"/> B	VH643899
b. Teacher volunteered (initiated and run by individual teachers)	<input type="radio"/> A	<input type="radio"/> B	VH241507
c. School sponsored (initiated by school and run by school designated personnel)	<input type="radio"/> A	<input type="radio"/> B	VH241509
d. Partnered with external agencies (e.g., universities, science museums, or companies)	<input type="radio"/> A	<input type="radio"/> B	VH241508

13. To what extent does your school provide twelfth-grade students with the following learning experiences? Select **one** circle in each row.

	Not at all	1–2 times per year	3 or more times per year	
a. Science fairs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241511
b. Science competitions	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241512
c. Science-related field trips (e.g., museums, zoos, aquariums, science centers, or other similar sites)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241513

## **Appendix F-3ab: 2017 Operational Grade 4 Writing**



1. During the last two years, to what extent have professional development activities offered to teachers in your school focused on the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Use of English/language arts across the curriculum	<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

**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?
- A Yes, available full-time to fourth-grade students
  - B Yes, available part-time to fourth-grade students
  - C 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 one-on-one help to students on various reading topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259934
b. Provide one-on-one help to students at various achievement levels	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH259935

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 English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240567
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240566

6. To what extent is your school's English/language arts program structured according to the following resources? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240607
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240606
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240609
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH586890
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240608
f. Recommendations from school English/language arts department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240611
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240612
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240614
i. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240610

7. 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. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335509
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH335508
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH586820

8. To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?

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

9. 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.

	<b>Yes</b>	<b>No</b>	
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

10. 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

11. How much is your school's ability to provide instruction affected by a lack of the following resources? Select **one** circle in each row.

	Not at all	A little	Some	A lot	
a. Teachers with a specialization in English/language arts	<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-3ac: 2018 Cognitive Interviews Grade 4 Writing**

1. Does your school or district offer the following programs to students? Select **one** circle in each row.

	<b>Yes</b>	<b>No</b>	
a. Writing remediation programs	Ⓐ	Ⓑ	VH812977
b. Writing enrichment programs	Ⓐ	Ⓑ	VH812976
c. Typing lessons for interested students	Ⓐ	Ⓑ	VH812978
d. Other technology-related writing resources	Ⓐ	Ⓑ	VH812979



## **Appendix F-3ad: 2017 Operational Grade 8 Writing**

1. This year, have professional development programs (i.e., training sessions and workshops, including online classes) aimed at developing and improving practices for writing instruction been offered in your school **for English/language arts teachers**? Select **one or more** answer choices.
- Ⓐ Yes, provided by school or district personnel
  - Ⓑ Yes, provided by professionals outside of my school or district
  - Ⓒ No

2. This year, have professional development programs (i.e., training sessions and workshops, including online classes) aimed at developing and improving practices for writing instruction been offered in your school **for teachers not teaching English/language arts**? Select **one or more** answer choices.
- Ⓐ Yes, provided by school or district personnel
  - Ⓑ Yes, provided by professionals outside of my school or district
  - Ⓒ No

**Questions 3 and 4** ask about 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 3 and 4 based on the roles as defined in this paragraph.

3. 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 4 is not applicable and will be skipped.*

4. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240604
b. Conduct professional development for groups of teachers about English/language arts content or the teaching of English/language arts	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240603

5. Approximately what percentage of their instructional time are teachers in your school expected to devote to **teaching writing** to eighth-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 \_\_\_\_\_ %

6. How often are teachers in your school expected to give students **writing assignments** (e.g., 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312580
b. Social studies class such as history, civics, government, or geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312581
c. Science class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312582
d. Mathematics class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH312583

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 eighth-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): \_\_\_\_\_ %

8. To what extent does your school provide up-to-date technology resources for English/language arts teaching and learning?

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

9. 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	Ⓐ	Ⓑ	VH312624
b. School website	Ⓐ	Ⓑ	VH312625
c. Discussion blog	Ⓐ	Ⓑ	VH312627

10. Does your school offer any of the following school-sponsored activities to eighth-grade students? Select **one** circle in each row.

	Yes	No	
a. Writing club(s) (e.g., 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

11. Does your school or district offer summer programs in **writing** remediation or enrichment to students? Select **one** circle in each row.

	Yes	No	
a. Remediation	Ⓐ	Ⓑ	VH312596
b. Enrichment	Ⓐ	Ⓑ	VH312597

## **Appendix F-3ae: 2018 Cognitive Interviews Grade 8 Writing**

1. Does your school or district offer the following programs to students? Select **one** circle in each row.

	Yes	No	
a. Writing remediation programs	<input type="radio"/> A	<input type="radio"/> B	VH812977
b. Writing enrichment programs	<input type="radio"/> A	<input type="radio"/> B	VH812976
c. Typing lessons for interested students	<input type="radio"/> A	<input type="radio"/> B	VH812978
d. Other technology-related writing resources	<input type="radio"/> A	<input type="radio"/> B	VH812979



## **Appendix F-3af: 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?

,

## **Appendix F-3ag: 2016 Pilot Grade 12 Writing**

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

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 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 \_\_\_\_\_ %

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?

%



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-3ah: 2018 Cognitive Interviews Grade 12 Writing**

1. Does your school or district offer the following programs to students? Select **one** circle in each row.

	Yes	No	
a. Writing remediation programs	<input type="radio"/>	<input type="radio"/>	VH812977
b. Writing enrichment programs	<input type="radio"/>	<input type="radio"/>	VH812976
c. Typing lessons for interested students	<input type="radio"/>	<input type="radio"/>	VH812978
d. Other technology-related writing resources	<input type="radio"/>	<input type="radio"/>	VH812979

## **Appendix F-3ai: 2018 Operational Grade 8 Social Studies**

1. At what grade do students in your school typically take the following classes? Select **one or more** squares in each row.

	5th grade	6th grade	7th grade	8th grade	9th grade	This class is not offered in my school.	
a. A class primarily focused on civics and/or United States government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH494278
b. A class primarily focused on geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH494279
c. A class primarily focused on United States history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH494280
d. A class that integrates two or more areas of social studies (e.g., civics and/or United States government, geography, or United States history)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH494281

2. This year, have the following professional development programs (e.g., training sessions and workshops, including online classes) been offered in your school **for social studies teachers**? Select **one or more** squares in each row.

	Yes, provided by school or district personnel	Yes, provided by professionals outside of my school or district	No	
a. Programs aimed at developing and improving practices for social studies instruction	Ⓐ	Ⓑ	Ⓒ	VH495690
b. Programs aimed at developing and improving general teaching practices	Ⓐ	Ⓑ	Ⓒ	VH495691
c. Programs aimed at developing and improving general teaching of critical reading and writing skills	Ⓐ	Ⓑ	Ⓒ	VH717354
d. Programs aimed at using technology in the classroom	Ⓐ	Ⓑ	Ⓒ	VH717355

3. How much is your school’s social studies program for eighth-graders (e.g., civics and/or United States government, geography, or United States history) structured according to the following resources? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494356
b. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494357
c. In-school curriculum frameworks and standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494359
d. Results from district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494360
e. Results from state assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494361
f. Recommendations from school social studies department	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH727954
g. Discretion of individual teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494364
h. Results from school assessments (e.g., quizzes or tests created by teachers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494365
i. Resources found on the Internet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH494366

4. How much does your school's eighth-grade social studies curriculum (e.g., civics and/or United States government, geography, or United States history) focus on preparation for the following types of assessments? Select **one** circle in each row.

	Not at all	Very little	Some	Quite a bit	A lot	
a. District assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH494370
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH494371
c. School assessments (e.g., quizzes or tests created by teachers)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH494373

5. Does your school offer any of the following services for eighth-grade students who fall behind or need extra help in social studies (e.g., civics and/or United States government, geography, or United States history)? Select **one** circle in each row.

	Yes	No	
a. Tutoring	<input type="radio"/> A	<input type="radio"/> B	VH494347
b. Placement of instructional aides in classrooms to provide assistance	<input type="radio"/> A	<input type="radio"/> B	VH494348
c. Use of instructional aides for pull-out instruction	<input type="radio"/> A	<input type="radio"/> B	VH494349
d. Extra work or homework	<input type="radio"/> A	<input type="radio"/> B	VH494350
e. Before- or after-school programs	<input type="radio"/> A	<input type="radio"/> B	VH494351
f. Summer school programs	<input type="radio"/> A	<input type="radio"/> B	VH494353
g. Extra help for English-language learners	<input type="radio"/> A	<input type="radio"/> B	VH494354



6. Does your school offer any of the following school-sponsored activities to eighth-grade students? Select **one** circle in each row.

	<b>Yes</b>	<b>No</b>	
a. Student government	Ⓐ	Ⓑ	VH495722
b. Classes with a community service component	Ⓐ	Ⓑ	VH495723
c. Clubs with a community service component	Ⓐ	Ⓑ	VH495724
d. Special courses or workshops to improve skills with computers or other digital devices	Ⓐ	Ⓑ	VH495725

## **Appendix F-3aj: 2010 Operational Grade 12 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 courses? Fill in **all** ovals that apply. VB338399

	9th grade	10th grade	11th grade	12th grade	This course is not offered in my school.	
a. A course primarily focused on U.S. history	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB338400
b. A course primarily focused on geography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB338401
c. A course primarily focused on civics or government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VB607899

VE015722

2. To what extent have you emphasized each of the following topics in your twelfth-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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015723
b. Gatherings and interactions of people from various cultures	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015724
c. Technological changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015725
d. Economic changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015726
e. Changing role of the U.S. in the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015727

VE015728

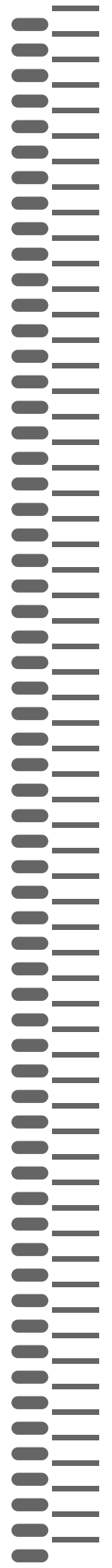
3. To what extent have you emphasized each of the following topics in your twelfth-grade civics or government curriculum? Fill in **one** oval on each line.

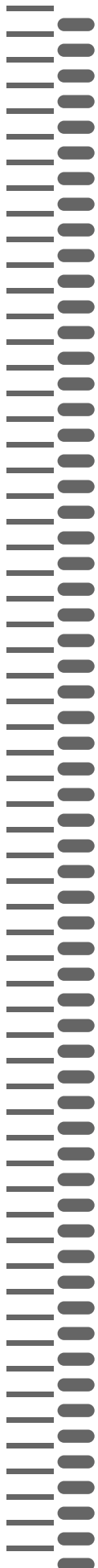
	Not at all	Small extent	Moderate extent	Large extent	This topic is not offered in my school.	
a. Politics and government	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015729
b. Foundations of the U.S. political system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015730
c. The U.S. Constitution	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015731
d. World affairs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015732
e. Roles of citizens in U.S. democracy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE015733

VE015734

4. To what extent have you emphasized each of the following topics in your twelfth-grade geography curriculum? Fill in **one** oval on each line.

	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	<b>This topic is not offered in my school.</b>	
a. 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	<input type="radio"/> E	VE015735
b. Environment and society (i.e., how people adapt to, depend on, and are affected by the natural environment)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VE015736
c. 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	<input type="radio"/> E	VE015737





VE015741

5. Does your school offer any of the following services for twelfth-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	<input type="radio"/> A	<input type="radio"/> B	VE015742
b. Placement of instructional aides in classrooms to provide assistance	<input type="radio"/> A	<input type="radio"/> B	VE015745
c. Use of instructional aides for pull-out instruction	<input type="radio"/> A	<input type="radio"/> B	VE015746
d. Extra work or homework	<input type="radio"/> A	<input type="radio"/> B	VE015749
e. Before- or after-school programs	<input type="radio"/> A	<input type="radio"/> B	VE015750
f. Saturday classes	<input type="radio"/> A	<input type="radio"/> B	VE015751
g. Summer school program	<input type="radio"/> A	<input type="radio"/> B	VE015752
h. Extra help for English language learners	<input type="radio"/> A	<input type="radio"/> B	VE015753

VE015755

6. To what extent is your school's social studies program for twelfth-graders (e.g., U.S. history, civics, or geography) structured according to the following resources? 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. District curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015757
b. State curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015756
c. National curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE230066
d. School-based curriculum standards or frameworks	(A)	(B)	(C)	(D)	VE015758
e. Results from district or school assessments	(A)	(B)	(C)	(D)	VE015760
f. Results from state assessments	(A)	(B)	(C)	(D)	VE015759
g. Results from national assessments	(A)	(B)	(C)	(D)	VE230067
h. Recommendations from district social studies department	(A)	(B)	(C)	(D)	VE015761
i. Discretion of individual teachers	(A)	(B)	(C)	(D)	VE015762
j. Commercially designed programs	(A)	(B)	(C)	(D)	VE015763

VE230101

7. To what extent does your school's twelfth-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.

	<b>Not at all</b>	<b>Small extent</b>	<b>Moderate extent</b>	<b>Large extent</b>	
a. District or school assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE230105
b. State assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE230106
c. National assessments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE230107

VE230100

8. For students who will graduate this year, what is the total number of years (or Carnegie-unit equivalents) of coursework that your state, district, or school requires in social studies? (Count only requirements for courses taken in grades 9 through 12.)

- A None
- B One-half year
- C One year
- D Two years
- E Three years
- F Four years



VE230108

9. Of the years required for social studies, how many years (or Carnegie-unit equivalents) of coursework does your state, district, or school require in each of the following subjects? Fill in **one** oval on each line.

	None	One-half year	One year	Two years	Three years	Four years	
a. A course primarily focused on U.S. history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE230109
b. A course primarily focused on 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	VE230112
c. A course primarily focused on civics or government	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VE230113

VB607901

10. How many students in your school are currently enrolled in Advanced Placement courses in each of the following subjects? Fill in **one** oval on each line.

	None	1-5	6-10	11-25	26-50	More than 50	
a. U. S. History	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VB610142
b. U. S. Government and Politics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VB610143
c. Human 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	VE036121

VE015764

11. Does your school offer any of the following courses for twelfth-grade students? Fill in **one** oval on each line.

	Yes	No	
a. Online U.S. History courses for credit	<input type="radio"/> A	<input type="radio"/> B	VE015773
b. Online Civics/Government courses for credit	<input type="radio"/> A	<input type="radio"/> B	VE015774
c. Online Geography courses for credit	<input type="radio"/> A	<input type="radio"/> B	VE015775

## **Appendix F-3ak: 2012 Operational Grade 12 Economics**

## Part II: Economics

For the purposes of this questionnaire, “economics” means the study of the basic problem of limited resources and how people choose to use these resources.

Economics may be taught from an academic perspective, or it may be taught in an applied context, including:

- An individual and household context, including decisions about earning, saving, and personal financial challenges
- A business context, with a focus on entrepreneurs, workers, producers, and investors
- A public context, including government, policy, citizenship, and domestic and international organizations

1. Which of the following **economics-related courses** are offered in your school? Please include courses that were offered this year or last year. Fill in **all** ovals that apply.

	Not offered	Offered as			
		Partial semester course	Full semester course or equivalent	Full year course	
a. Economics course (general course <b>other than</b> Advanced Placement, International Baccalaureate, or honors economics)	(A)	(B)	(C)	(D)	VB607188
b. Government and economics course (combined course)	(A)	(B)	(C)	(D)	VB607189
c. Consumer economics or personal finance course	(A)	(B)	(C)	(D)	VB607190
d. Advanced Placement Economics course	(A)	(B)	(C)	(D)	VB607191
e. International Baccalaureate Economics course	(A)	(B)	(C)	(D)	VB607192
f. Honors economics course ( <b>other than</b> Advanced Placement or International Baccalaureate Economics)	(A)	(B)	(C)	(D)	VB607193
g. Business course such as entrepreneurship or business principles	(A)	(B)	(C)	(D)	VB607194
h. Any other economics course (specify) _____	(A)	(B)	(C)	(D)	VB607195
i. Any other course that includes an extended (at least 8-week long) unit on economics (specify) _____	(A)	(B)	(C)	(D)	VB607196

2. By the time they graduate, what percentage of the students in your school will have taken at least one semester of each of the following courses? Fill in **one** oval on each line.

	None/ course not offered	10% or less	11–25%	26–50%	51–75%	76% or more	
a. Economics course (general course <b>other than</b> Advanced Placement, International Baccalaureate, or honors economics)	(A)	(B)	(C)	(D)	(E)	(F)	VB607198
b. Government and economics course (combined course)	(A)	(B)	(C)	(D)	(E)	(F)	VB607199
c. Consumer economics or personal finance course	(A)	(B)	(C)	(D)	(E)	(F)	VB607200
d. Advanced Placement Economics course	(A)	(B)	(C)	(D)	(E)	(F)	VB607201
e. International Baccalaureate Economics course	(A)	(B)	(C)	(D)	(E)	(F)	VB607442
f. Honors economics course ( <b>other than</b> Advanced Placement or International Baccalaureate Economics)	(A)	(B)	(C)	(D)	(E)	(F)	VB607443
g. Business course such as entrepreneurship or business principles	(A)	(B)	(C)	(D)	(E)	(F)	VB607444
h. Any other economics course (specify) _____	(A)	(B)	(C)	(D)	(E)	(F)	VB607445
i. Any other course that includes an extended (at least 8-week long) unit on economics (specify) _____	(A)	(B)	(C)	(D)	(E)	(F)	VB607446

3. Does your school have a **requirement** that students must take at least one semester of any of the following economics-related courses **for graduation**? Fill in **all** ovals that apply.

	Yes, a requirement for all students	Yes, a requirement for certain types of diplomas	No requirement	
a. Economics course (general course <b>including</b> Advanced Placement, International Baccalaureate, or honors economics)	(A)	(B)	(C)	VB607448
b. Government and economics course (combined course)	(A)	(B)	(C)	VB607449
c. Consumer economics or personal finance course	(A)	(B)	(C)	VB607450
d. Business course such as entrepreneurship, marketing, or business principles	(A)	(B)	(C)	VB607451
e. Any other economics course (specify) _____	(A)	(B)	(C)	VB607452
f. Any other course that includes an extended (at least 8-week long) unit on economics (specify) _____	(A)	(B)	(C)	VB607453
g. At least one economics-related course, that students choose from among a variety of courses such as those listed above	(A)	(B)	(C)	VB607454

VB607455

4. Can students choose to take an **economics** course (from among a variety of other social studies courses) to fulfill a general social studies graduation requirement?

- A Yes
- B No

VB607456

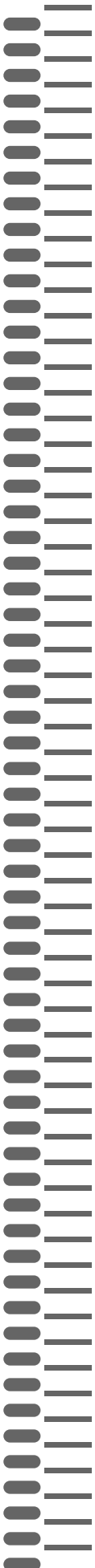
5. Are students in your school required to take a district or state standardized test **on economics**? Fill in **all** ovals that apply.

- A Yes, a district test
- B Yes, a state test
- C No

VB607457

6. Are students in your school required to take a district or state standardized test that **includes questions about economics**? Fill in **all** ovals that apply.

- A Yes, a district test
- B Yes, a state test
- C No



7. Are any of the following **co-curricular activities** related to economics available through your school? They could be part of a class or offered as an extracurricular activity. Fill in **one** oval on each line.

	Available	Not available	Don't know	
a. Future Business Leaders of America (FBLA)	Ⓐ	Ⓑ	Ⓒ	VB607459
b. DECA (an association of marketing students)	Ⓐ	Ⓑ	Ⓒ	VB607460
c. Junior Achievement	Ⓐ	Ⓑ	Ⓒ	VB607461
d. Club (includes such things as an economics, entrepreneurship, or investment club)	Ⓐ	Ⓑ	Ⓒ	VB607462
e. Academic competition (includes such things as Fed Challenge, Economic Challenge, or Academic Decathlon)	Ⓐ	Ⓑ	Ⓒ	VB607463
f. Stock market game/simulation	Ⓐ	Ⓑ	Ⓒ	VB607466
g. Student-managed school store	Ⓐ	Ⓑ	Ⓒ	VB607467
h. Student-managed credit union or bank	Ⓐ	Ⓑ	Ⓒ	VB607468
i. Other (specify) _____	Ⓐ	Ⓑ	Ⓒ	VB607469



## **Appendix F-3a1: 2018 Operational Grade 8 TEL**

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).

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.

	<b>None: Not included in the curriculum</b>	<b>Under 10%</b>	<b>10–25%</b>	<b>26–50%</b>	<b>51–75%</b>	<b>Over 75%</b>	
a. How objects are designed to solve problems or meet people's needs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242029
b. The interactions among technology, society, and the environment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242030
c. The role of technology systems (for example, energy usage, healthcare, communications)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242034
d. How computers, the Internet, and other digital technologies affect society	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242032
e. Careers in technical fields (for example, engineer, medical technician, computer programmer)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242033
f. Concepts related to specific technologies (for example, electronics, biotechnology, agriculture)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH242031

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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242817
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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242819
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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242818

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.

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242036
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242037
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242038
d. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242045
e. In-school curriculum frameworks or standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242039
f. Recommendations from your teachers or content specialists	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242041
g. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242043
h. Textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242040
i. Other (specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242042

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.

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: \_\_\_\_\_

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242047
b. Teacher-developed tests and quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242049
c. Student assignments, projects, or homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242048

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.

At your school, what is the total number of students in the eighth grade? \_\_\_\_\_

Approximately how many computers in the school are available to eighth-grade students for educational purposes? \_\_\_\_\_

Approximately how many of these computers are connected to the Internet? \_\_\_\_\_

Approximately how many of all computers are eighth-grade students allowed to take home with them (for example, laptops or tablets)? \_\_\_\_\_

→If you answered question 8d with 0, *Question 9 is not applicable and will be skipped.*

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

10. In your school, prior to or in eighth grade, what percentage of eighth-grade students has taken advantage of the following school-sponsored resources during or after school? Select **one** circle in each row.

	School does not provide this resource to students.	0–5%	6–20%	21–50%	Over 50%	
a. Clubs, competitions, exhibits, etc., related to some aspect of technology and engineering	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242056
b. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242057
c. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242060
d. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242059
e. Online courses in any subject	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242058



11. This year in your school, are the following resources available to teachers for teaching or professional development? Select **one** circle in each row.

	Yes	No	
a. Financial support for professional development related to technology and engineering	Ⓐ	Ⓑ	VH242062
b. Financial support for association memberships related to technology and engineering	Ⓐ	Ⓑ	VH242063
c. Financial support for university or online courses related to technology and engineering	Ⓐ	Ⓑ	VH242064
d. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	VH242069
e. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	VH242066
f. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	VH242067
g. Supplies or equipment for technology demonstrations	Ⓐ	Ⓑ	VH242068
h. Textbooks or digital tutorials related to technology or engineering	Ⓐ	Ⓑ	VH242065

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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242072
b. Taking digital images	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242073
c. Converting non-digital images or content (for example, scanner)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242078
d. Projecting digital images	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242075
e. Projecting interactive data (for example, interactive whiteboard that responds to user control via stylus, finger, or other device)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242076
f. Collecting data (for example, tools such as sensors or probes that detect or collect information such as motion, pH, temperature, light)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242077
g. Mobile computing (for example, handheld or portable computer devices)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH242074

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242080
b. Lack of technical support personnel	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242081
c. Lack or inadequacy of instructional materials (for example, textbooks, computers, software)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242082
d. Lack or inadequacy of Internet connectivity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242087
e. Lack or inadequacy of laboratory or workshop equipment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242084
f. Lack or inadequacy of audio-visual resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242085
g. Lack of curriculum development expertise or standards specificity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242086
h. Lack of time because of demands for other curriculum content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242083

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	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH242089
b. Content, curriculum, or pedagogy related to technology or technological literacy	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH242091
c. Integrating information and communications technology into instruction	(A)	(B)	(C)	(D)	(E)	(F)	(G)	VH242090

15. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

	None	A little	Some	A lot	I don't know.	
a. Inventions that change the way people live	(A)	(B)	(C)	(D)	(E)	VH242093
b. Choices people make that affect the environment	(A)	(B)	(C)	(D)	(E)	VH242096
c. Conditions that influence the use or availability of machines or devices	(A)	(B)	(C)	(D)	(E)	VH242095
d. The ways people work together to solve problems in their community or the world	(A)	(B)	(C)	(D)	(E)	VH242094

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242098
b. Compare how different activities affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242101
c. Explain why people have different tools, machines, or devices in different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242100

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	(A)	(B)	(C)	(D)	(E)	VH242137
b. The care or maintenance of tools, machines, or devices	(A)	(B)	(C)	(D)	(E)	VH242138
c. Designing or creating something to solve a problem	(A)	(B)	(C)	(D)	(E)	VH242142
d. Designing something when there is limited time, money, or materials	(A)	(B)	(C)	(D)	(E)	VH242140
e. Figuring out how to fix something	(A)	(B)	(C)	(D)	(E)	VH242141
f. Finding the right people to work with or get help from to fix something	(A)	(B)	(C)	(D)	(E)	VH242139

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	(A)	(B)	(C)	(D)	(E)	VH242150
b. Use different tools, materials, or machines to see which are best for a given purpose	(A)	(B)	(C)	(D)	(E)	VH242144
c. Build or test a model to see if it solves a problem	(A)	(B)	(C)	(D)	(E)	VH242145
d. Figure out why something is not working in order to fix it	(A)	(B)	(C)	(D)	(E)	VH242148
e. Take something apart in order to fix it or see how it works	(A)	(B)	(C)	(D)	(E)	VH242146
f. Design a computer program	(A)	(B)	(C)	(D)	(E)	VH242149
g. Examine how parts, processes, or people work together in a system	(A)	(B)	(C)	(D)	(E)	VH242147

19. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

	None	A little	Some	A lot	I don't know.	
a. How to judge reliability of sources	(A)	(B)	(C)	(D)	(E)	VH242153
b. How to credit others for their ideas	(A)	(B)	(C)	(D)	(E)	VH242154
c. How to collaborate or share information with others	(A)	(B)	(C)	(D)	(E)	VH242158
d. How to consult with experts to get help	(A)	(B)	(C)	(D)	(E)	VH242157
e. How to find information or data to solve a problem	(A)	(B)	(C)	(D)	(E)	VH242155
f. Run simulations (a learning activity that imitates real life)	(A)	(B)	(C)	(D)	(E)	VH242156

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	(A)	(B)	(C)	(D)	(E)	VH242162
b. Select and use appropriate digital technologies to create a presentation	(A)	(B)	(C)	(D)	(E)	VH242161
c. Use a computer or other digital technology to simulate a system and explain different outcomes	(A)	(B)	(C)	(D)	(E)	VH242163
d. Give feedback to others when working together	(A)	(B)	(C)	(D)	(E)	VH242160



## **Appendix F-3am: 2015 Operational Grade 4 NIES**

1. What is your professional position (title) at this school?

---

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
----------------------	----------------------	-------

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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963053
b. Information (for example, expectations, procedures, calendars) sent home about school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963054
c. Written reports (for example, report cards) of child's performance sent home	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963055
d. Events at school in which families are invited to participate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963056
e. Opportunities to participate in formulation of school policies and improvement plans	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963057
f. Opportunities to share American Indian or Alaska Native histories and traditions as part of the instructional program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963058
g. Telephone calls with parents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963059
h. Information provided through websites or e-mail	Ⓐ	Ⓑ	Ⓒ	Ⓓ	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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VC963065
b. American Indian or Alaska Native teachers at this school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VC963073
c. American Indian or Alaska Native staff other than teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VC963074

## **Appendix F-3an: 2015 Operational Grade 8 NIES**

1. What is your professional position (title) at this school?

---

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
----------------------	----------------------	-------

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?

Yes

No

6. Is your school an American Indian or Alaska Native language immersion school?

Yes

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)	Ⓐ	Ⓑ	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)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963053
b. Information (for example, expectations, procedures, calendars) sent home about school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963054
c. Written reports (for example, report cards) of child's performance sent home	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963055
d. Events at school in which families are invited to participate	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963056
e. Opportunities to participate in formulation of school policies and improvement plans	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963057
f. Opportunities to share American Indian or Alaska Native histories and traditions as part of the instructional program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963058
g. Telephone calls with parents	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC963059
h. Information provided through websites or e-mail	Ⓐ	Ⓑ	Ⓒ	Ⓓ	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-3ao: 2017 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.