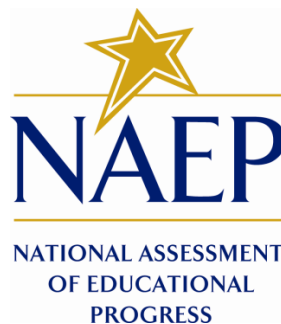


NATIONAL CENTER FOR EDUCATION STATISTICS  
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

*Volume II*  
*Protocols, Student Debriefing Questions, and*  
*Survey Questionnaires*

*National Assessment of Educational Progress (NAEP)*  
*Technology and Engineering Literacy (TEL) and eNAEP*  
*Pretesting Study*

OMB# 1850-0803 v. 211  
revised v.199



revised September 2017

## PAPERWORK BURDEN STATEMENT

The Paperwork Reduction Act and the NCES confidentiality statement are indicated below. Appropriate sections of this information are included in the consent forms and letters. The statements will be included in the materials used in the study.

### Paperwork Burden Statement, OMB Information

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 1850-0803. The time required to complete this information collection is estimated to be an average of 100 minutes, including the time to review instructions and participate in the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any other concerns, please write to: National Assessment of Educational Progress (NAEP), National Center for Education Statistics, Potomac Center Plaza, 550 12<sup>th</sup> St., SW, 4th floor, Washington, DC 20202.

**This is a project of the National Center for Education Statistics (NCES), part of the Institute of Education Sciences, within the U.S. Department of Education.**

All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

OMB No. 1850-0803 Approval Expires 07/31/2019

## INTRODUCTION TO THE ASSESSMENT

As documented in Volume I, there will be up to 10 pretesting sessions. Technology and Engineering Literacy (TEL) testing will have up to 3 sessions and eNAEP testing will have up to 7 sessions (in which the goal is to push the eNAEP system to its limits), the administrators will provide additional instructions to the students:

*For this part of the study, we would like you to take your time exploring the system and interacting with the questions and system tools in different ways. While we would like you to provide answers to questions, we would like you to focus mainly on using the system tools and responding to the questions. Any response is acceptable for the questions as we really want you to experiment with how you can respond to questions and move from question to question. Have a little fun with things and explore the system!*

*Please take the assessment in this way until your time is up.*

## STUDENT DEBRIEFING QUESTIONS

After all students have finished the assessment in each session, field staff will conduct a debriefing activity with the students. Field staff will ask the debriefing questions out loud to the group of students. The questions may be paraphrased, and additional follow-up questions, such as those indicated in the bulleted lists below, may be asked. Students will respond by raising their hands and by calling out responses, as appropriate. Field staff will use their discretion about whether some or all of the questions will be asked, depending on the amount of prompting the students require, and on the amount of time remaining. The debriefing session should not exceed 10 minutes. Field staff will write down the students' responses to the questions.

1. *What did you like the most about the assessment?*

*[Follow-up questions may include:]*

- *Can you explain that more?*
- *What did you like the least about the assessment?*

- *What was missing from the assessment?*
  - *If you had to take a test, would you rather take it on a tablet, or on paper? Why?*
  - *What do you like most about taking a test on a tablet? What do you like the least about taking a test on a tablet?*
2. *Did you see anything you thought was strange while taking the assessment?*  
*[Follow-up questions may include:]*
- *Can you explain that more?*
  - *Did questions or images seem slow to load at all to you?*
  - *Was the system slow to move from one page/question to the next at all?*
  - *Did you notice any “Aw, snap” errors?*
  - *Were you able to make these errors occur when you wanted to? How?*
3. *Did you find the system easy to use and/or easy to learn to use? [Follow-up questions may include:]*
- *How did you like the tutorial?*
  - *Did you use the Help screens? Were the Help screens useful?*
  - *What did you think of the tools available? Did you use them?*
  - *Which tool or tools did you like the most? Why?*
  - *Did you have any difficulty using any of the tools? What did you find difficult?*
  - *How did you find the stylus worked with the assessment?*
  - *Did you have any difficulty picking an answer using the available controls? If so, what made it difficult?*
4. *Is there anything you think would make the assessment better? If so, what?*
5. *Is there anything else you want to tell us about kids taking assessments on <laptops or tablets>?*

## **SURVEY QUESTIONNAIRES**

As part of the assessment administration, students will take a set of survey questionnaire items during their session. These items were previously administered as part of other NAEP assessments or testing. Given the final items for 2018 NAEP administrations (and, thus this TEL and eNAEP pretesting study) have not yet been determined, we have included a library of previously administered components from which the 2018 items will be selected. The table below indicates the 15 assessment components that form this library. Following the table are the 15 components of survey questionnaire items. Not all of the items presented will be administered in 2018 or in this TEL and eNAEP pretesting study. The number of items administered to each student will be appropriate to the 15 minutes allocated. As the items are finalized throughout the development process, the final sub-set will be included in the eNAEP system for pretesting. As such, the earlier builds may include different items from the library than the final build.

<b>Grade/Subject</b>	<b>Part</b>	<b>Source of Survey Questionnaire</b>
Grade 4 Science	II-a	2017 Cognitive Interviews Grade 4 Science
Grade 4 Core	II-b	2017 Operational Grade 4 Core
Grade 4 Reading	II-c	2017 Operational Grade 4 Reading
Grade 8 Science	II-d	2017 Cognitive Interviews Grade 8 Science
Grade 8 Core	II-e	2017 Operational Grade 8 Core
Grade 8 TEL	II-f	2014 Probe Grade 8 TEL
Grade 8 Civics	II-g	2017 Pilot Grade 8 Civics
Grade 8 Geography	II-h	2017 Pilot Grade 8 Geography
Grade 8 U.S. History	II-i	2017 Pilot Grade 8 U.S. History
Grade 12 Science	II-j	2017 Cognitive Interviews Grade 12 Science
Grade 12 Reading	II-k	2018 Pilot Grade 12 Reading
Grade 12 Mathematics	II-l	2018 Pilot Grade 12 Mathematics
Grade 12 Core	II-m	2016 Pilot Grade 12 Core
Reading Scenario Based Tasks	II-n	2018 Reading SBT Special Study Student Engagement Items
Oral Reading Fluency	II-o	2018 ORF Study Items
Grade 4 Mathematics	II-p	2017 Operational Grade 4 Mathematics
Grade 8 Mathematics	II-q	2017 Operational Grade 8 Mathematics
Assessment Delivery Study	II-r	2018 Assessment Delivery Study Debriefing Items

## **Part II-a: 2017 Cognitive Interviews Grade 4 Science**

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

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

2. In this school year, how often have you learned about electricity (for example, circuits, batteries, and light bulbs)?

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

3. In this school year, how often have you learned about chemicals (for example, mixing sugar or salt in water)?

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

4. In this school year, how often have you learned about rocks or minerals (for example, looking at different rocks)?

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

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

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

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

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

7. In this school 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 this school year, how often have you watched a short video clip, movie, or video about science topics?

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

9. In this school year, how often have you been asked to write about science topics?

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



10. Thinking about science, 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. Describe the different procedures for heating or cooling a sample of water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Design a model showing how the length of a vibrating string affects the motion of the waves that are produced	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a type of plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use evidence to show how one organism has helped the other to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Use a food chain to show how the removal of one animal affects another	(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. Predict the season based on a graph that shows the 30-day average temperature	(A)	(B)	(C)	(D)	(E)	VH638885

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. 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 learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
e. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
f. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089

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

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	(A)	(B)	(C)	(D)	(E)	VH638970
b. Carry out advanced science-related projects with friends (for example, designing a model of a bridge, building simple rockets, or designing bird feeders)	(A)	(B)	(C)	(D)	(E)	VH638973
c. Volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing water samples in the neighborhood, helping a scientist in a lab)	(A)	(B)	(C)	(D)	(E)	VH638977
d. Write or blog about science topics	(A)	(B)	(C)	(D)	(E)	VH638983
e. Use scientific instruments (for example, telescopes, microscopes, scales)	(A)	(B)	(C)	(D)	(E)	VH638985
f. Read about science topics in books, magazines, or on digital devices	(A)	(B)	(C)	(D)	(E)	VH638987
g. Attend clubs or programs that include science activities	(A)	(B)	(C)	(D)	(E)	VH638988
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	(A)	(B)	(C)	(D)	(E)	VH638991

13. This school year, how often did you do the following things 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. Ask questions based on what you have seen (for example, "Why did that happen?")	(A)	(B)	(C)	(D)	(E)	VH639150
b. Made a drawing that explains why or how something happens	(A)	(B)	(C)	(D)	(E)	VH639156
c. Used a set of tests or experiments to answer a question	(A)	(B)	(C)	(D)	(E)	VH639162
d. Put information you collected into a table or a graph to look for patterns	(A)	(B)	(C)	(D)	(E)	VH639164
e. Decided whether to use numbers or words to explain a problem	(A)	(B)	(C)	(D)	(E)	VH639165
f. Used evidence to explain why something happens	(A)	(B)	(C)	(D)	(E)	VH639166
g. Using what you learned, picked a side to support in a discussion about a science topic	(A)	(B)	(C)	(D)	(E)	VH639167
h. Found news articles about science on the Internet	(A)	(B)	(C)	(D)	(E)	VH639169

14. How often do you understand what the teacher talks about in science class?

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

15. How often do you do a good job on your science tests?

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

16. How often do you do a good job on your science assignments?

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

## **Part II-b: 2017 Operational 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. 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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	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

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
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

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

--	--	--	--	--

## **Part II-c: 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

## **Part II-d: 2017 Cognitive Interviews Grade 8 Science**

1. In your science class this year, how often have you done hands-on activities or projects with any of the following? 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>Very often</b>	
a. Living things (for example, plants, animals, bacteria)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639072
b. Electricity (for example, circuits, batteries, and light bulbs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639074
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639073
d. Rocks or minerals (for example, identifying types)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639077
e. Technology and engineering (for example, pulleys and levers)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639076
f. Magnifying glass or microscope (for looking at small things)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639075
g. Thermometer or barometer (for making measurements)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639078



2. In your science class this year, how often do you do each of the following? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Use the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watch a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312

3. Thinking about science, 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. Describe the different procedures for heating or cooling a sample of water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Design a model showing how the length of a vibrating string affects the motion of the waves that are produced	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a type of plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use evidence to show how one organism has helped the other to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Use a food chain to show how the removal of one animal affects another	(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. Predict the season based on a graph that shows the 30-day average temperature	(A)	(B)	(C)	(D)	(E)	VH638885

4. 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 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 learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
e. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
f. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089

5. 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. Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	(A)	(B)	(C)	(D)	(E)	VH638970
b. Carry out advanced science-related projects with friends (for example, designing a model of a bridge, building simple rockets, or designing bird feeders)	(A)	(B)	(C)	(D)	(E)	VH638973
c. Volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing water samples in the neighborhood, helping a scientist in a lab)	(A)	(B)	(C)	(D)	(E)	VH638977
d. Write or blog about science topics	(A)	(B)	(C)	(D)	(E)	VH638983
e. Use scientific instruments (for example, telescopes, microscopes, scales)	(A)	(B)	(C)	(D)	(E)	VH638985
f. Read about science topics in books, magazines, or on digital devices	(A)	(B)	(C)	(D)	(E)	VH638987
g. Attend clubs or programs that include science activities	(A)	(B)	(C)	(D)	(E)	VH638988
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	(A)	(B)	(C)	(D)	(E)	VH638991

6. This school year, how often did you do the following things 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 that could help explain how something works	(A)	(B)	(C)	(D)	(E)	VH639744
b. Made labeled drawings or models that explain why or how something happens	(A)	(B)	(C)	(D)	(E)	VH639749
c. Evaluated the quality of a set of tests that you use to answer a research question	(A)	(B)	(C)	(D)	(E)	VH639753
d. Used tables, graphs, or statistics to identify relationships between variables	(A)	(B)	(C)	(D)	(E)	VH639760
e. Used mathematical representations to explain or support scientific conclusions	(A)	(B)	(C)	(D)	(E)	VH639763
f. Used evidence from experiments and measurements of variables to explain why something happens	(A)	(B)	(C)	(D)	(E)	VH639765
g. Responded to disagreement about a scientific idea by using information you learned in class	(A)	(B)	(C)	(D)	(E)	VH639770
h. Combined information about science from multiple sources for an assignment	(A)	(B)	(C)	(D)	(E)	VH639777

7. In this school year, how often did you approach your teacher to talk about how you are doing in science?

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

8. How often do you understand what the teacher talks about in science class?

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

9. How often do you do a good job on your science tests?

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

10. How often do you do a good job on your science assignments?

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

## **Part II-e: 2017 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. 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



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

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

23. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

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

□ □ □ □ □

**Part II-f: 2014 Probe Grade 8 TEL**

## Student Questionnaire – Technology and Engineering Literacy

The following questions are about yourself and your family. Please answer questions about your home based on where you live most of the time during the school year.

VE631435

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

- A No, I am not Hispanic or Latino.
- B Yes, I am Mexican, Mexican American, or Chicano.
- C Yes, I am Puerto Rican or Puerto Rican American.
- D Yes, I am Cuban or Cuban American.
- E Yes, I am from some other Hispanic or Latino background.

VE631437

2. Which of the following best describes you? Select **one or more** squares.

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

VE011083

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE011103

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

- A Yes
- B No

VF541314

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

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

VE011108

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

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

VE011109

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE011111

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

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

VE011063

9. How far in school did your mother go?

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

VE011064

10. How far in school did your father go?

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

## Student Questionnaire – Technology and Engineering Literacy

VE011121

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

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

VF541324

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

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

VE117468

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

## Student Questionnaire – Technology and Engineering Literacy

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

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

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE639842

14. Have you ever taken or are you currently taking any of the following classes or subjects in school? Select **one or more** squares.

- A Industrial technology (for example, auto mechanics, carpentry)
- B Engineering (for example, robotics, bridge building, rocketry)
- C Any class that involves learning to use, program, or build computers
- D Any other technology-related class (for example, electronics, sewing, farming)
- E I have not taken any of the classes listed above.

VE639847

15. Have you ever studied technology or engineering topics in any of the following classes or subjects in school? Select **one or more** squares.

- A Mathematics
- B Science
- C Social studies or history
- D I have not studied technology or engineering in any of the classes or subjects listed above.

VE681624

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

	Never	Rarely	Sometimes	Often	
a. How to judge reliability of sources (for example, how a website might be biased or inaccurate)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE681629
b. How to credit others for their ideas (for example, citing sources, using endnotes and footnotes in reports)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VE681632



## Student Questionnaire – Technology and Engineering Literacy

VE639123

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

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

VF025108

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE682225

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

	Never	Rarely	Sometimes	Often	
a. Designing or creating something to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682228
b. Designing something when there is limited time, money, or materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682229

VE638956

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE638983

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

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

## Student Questionnaire – Technology and Engineering Literacy

VH008232

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

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

## Student Questionnaire – Technology and Engineering Literacy

VE638999

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

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

VE639008

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

	Never	Rarely	Sometimes	Often	
a. Inventions that change the way people live	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639012
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639013
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE639014
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE682314

## Student Questionnaire – Technology and Engineering Literacy

VE682274

25. Who taught you most of what you know about building things, fixing things, or how things work?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

VE682215

26. Who taught you most of what you know about using computers or other digital technology for collecting or sharing information?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

VE682315

27. Who taught you most of what you know about how technology, people, and the environment are related to each other?
- Ⓐ I taught myself.
  - Ⓑ Family members
  - Ⓒ Friends
  - Ⓓ Teachers
  - Ⓔ Someone else

## Student Questionnaire – Technology and Engineering Literacy

VF009358

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

	Yes	No	
a. I had taken an interactive computer test in school.	Ⓐ	Ⓑ	VF009360
b. I had taken an interactive computer test outside of school.	Ⓐ	Ⓑ	VF009361

VE401773

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

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

VE401776

30. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school?

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

VE401779

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

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

## **Part II-g: 2017 Pilot Grade 8 Civics**



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

	<b>Yes, I took a class or course mainly focused on civics and/or United States government.</b>	<b>Yes, I took a class or course that included some civics and/or United States government topics.</b>	<b>No, I did not take a class or course that taught civics and/or United States government topics.</b>	<b>I don't remember.</b>	
a. 5th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH457393
b. 6th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH457394
c. 7th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH457396
d. 8th grade	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH457397

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

	Not at all	Very little	Some	Quite a bit	A lot	
a. The United States Constitution	(A)	(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. State government and local government	(A)	(B)	(C)	(D)	(E)	VH457367
f. Other countries' governments (for example, their structure, how they are run, or interactions with the United States)	(A)	(B)	(C)	(D)	(E)	VH457368
g. International organizations (for example, the United Nations, World Bank, or World Health Organization)	(A)	(B)	(C)	(D)	(E)	VH457369
h. Current political and social issues	(A)	(B)	(C)	(D)	(E)	VH457372

3. During this school 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. Read material from a civics and/or United States government textbook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457410
b. Read extra material about civics and/or United States government not in the regular textbook (for example, newspapers, magazines, or online sources)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457411
c. Discuss material about civics and/or United States government with peers or teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457413
d. Conduct research about civics and/or United States government topics (for example, in a library or through interviews or observations)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457415
e. Listen to or watch movies, videos, or online content about civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457417

4. During this school year so far, how often have you done each of the following? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457429
b. Given class presentations on civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457430
c. Written about your opinion on a community problem or social issue (for example, in a letter, e-mail, or blog post)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457486
d. Taken part in political debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457487
e. Taken part in role-playing, mock trials, or dramas about civics and/or United States government topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457489

5. During this school year, how often do you do each of the following 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 roles and functions of the three branches of the United States government	(A)	(B)	(C)	(D)	(E)	VH457503
b. Study the rights and responsibilities of United States citizens	(A)	(B)	(C)	(D)	(E)	VH457504
c. Examine how the United States influences and is influenced by events in other countries	(A)	(B)	(C)	(D)	(E)	VH457505
d. Compare the roles and responsibilities of local, state, and national governments in the United States	(A)	(B)	(C)	(D)	(E)	VH457506
e. Study why it is important to pay attention to the political process and government	(A)	(B)	(C)	(D)	(E)	VH457508
f. Study why it is important for individuals to participate in the political process and government	(A)	(B)	(C)	(D)	(E)	VH457510
g. Support an opinion about an issue or problem with reasons and examples	(A)	(B)	(C)	(D)	(E)	VH457524
h. Discuss the political process and government with others	(A)	(B)	(C)	(D)	(E)	VH457525

6. 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

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. Civics and/or United States government are my favorite topics to study.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457560
b. Schoolwork about civics and/or United States government is easy for me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457561
c. I enjoy doing schoolwork about civics and/or United States government.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457563
d. I enjoy discussing civics and/or United States government topics with others.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457570
e. I think that civics and/or United States government schoolwork helps me understand what is happening in the world around me.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457571
f. I think that learning about civics and/or United States government topics will be important for my future.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457572

8. 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. Read about current political events in the media	(A)	(B)	(C)	(D)	(E)	VH457769
b. Watch movies, videos, and/or TV programs about current political events	(A)	(B)	(C)	(D)	(E)	VH457770
c. Communicate with government officials (for example, mayor, council member, or governor) about an issue or problem	(A)	(B)	(C)	(D)	(E)	VH457772
d. Participate in volunteer activities in your community	(A)	(B)	(C)	(D)	(E)	VH457773
e. Talk about the political process and government with others	(A)	(B)	(C)	(D)	(E)	VH457775
f. Discuss current political events or issues with others (for example, people in my home or friends)	(A)	(B)	(C)	(D)	(E)	VH457776



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 believe I can make a difference in my community.	(A)	(B)	(C)	(D)	(E)	VH457831
b. By working with others in the community, I can help make things better.	(A)	(B)	(C)	(D)	(E)	VH457832
c. Being actively involved in community issues is my responsibility.	(A)	(B)	(C)	(D)	(E)	VH457833
d. Being concerned about state and local issues is an important responsibility for everybody.	(A)	(B)	(C)	(D)	(E)	VH457834
e. I have good ideas for programs and projects that would help solve problems in my community.	(A)	(B)	(C)	(D)	(E)	VH457835
f. Three years from now, I expect to be involved in improving my community.	(A)	(B)	(C)	(D)	(E)	VH457836

10. 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

11. 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. Support an opinion about an issue or problem with reasons and examples	(A)	(B)	(C)	(D)	(E)	VH457896
b. Discuss the political process and government with others	(A)	(B)	(C)	(D)	(E)	VH457897
c. Understand other people's perspectives on social issues (for example, neighborhood safety, Internet privacy, or environmental conservation)	(A)	(B)	(C)	(D)	(E)	VH457904
d. Form an effective plan for addressing social issues	(A)	(B)	(C)	(D)	(E)	VH457905

12. When you study civics and/or United States government, 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 a good student.	(A)	(B)	(C)	(D)	(E)	VH565610
b. I want to show others that my schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH565611
c. I want to look smart in comparison to the other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565612
d. I want to get better grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565613

13. When you study civics and/or United States government, 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 learn as much as possible in my class.	(A)	(B)	(C)	(D)	(E)	VH565705
b. I want to master a lot of new skills in my class.	(A)	(B)	(C)	(D)	(E)	VH565706
c. I want to become a better student this year.	(A)	(B)	(C)	(D)	(E)	VH565708
d. I want to get good grades in my schoolwork.	(A)	(B)	(C)	(D)	(E)	VH565709
e. I want to understand as much as I can in my class.	(A)	(B)	(C)	(D)	(E)	VH565710

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am a good civics and/or United States government student.	(A)	(B)	(C)	(D)	(E)	VH565719
b. I want to show others that my civics and/or United States government schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH565720
c. I want to look smart in comparison to the other students in my social studies, civics, and/or United States government class.	(A)	(B)	(C)	(D)	(E)	VH565721
d. I want to get better civics and/or United States government grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565722

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 to learn as much as possible about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH565729
b. I want to master a lot of new civics and/or United States government skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH565730
c. I want to become a better civics and/or United States government student this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH565732
d. I want to get good grades in my civics and/or United States government schoolwork.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH565734
e. I want to understand as much as I can about civics and/or United States government in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH565735

16. 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

17. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457532
b. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
c. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
d. Long written responses (for example, several paragraphs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457540
e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

18. 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

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I came to my social studies class prepared.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457921
b. I remembered and followed directions from my social studies teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457922
c. I started working on social studies assignments right away rather than waiting until the last minute.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457923
d. I paid attention and resisted distractions during social studies class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457924
e. I stayed on task without reminders from my social studies teacher.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457925

## **Part II-h: 2017 Pilot Grade 8 Geography**



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

	Yes, I took a class or course mainly focused on geography.	Yes, I took a class or course that included some geography topics.	No, I did not take a class or course that taught geography topics.	I don't remember.	
a. 5th grade	(A)	(B)	(C)	(D)	VH459043
b. 6th grade	(A)	(B)	(C)	(D)	VH459044
c. 7th grade	(A)	(B)	(C)	(D)	VH459045
d. 8th grade	(A)	(B)	(C)	(D)	VH459046

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

	Not at all	Very little	Some	Quite a bit	A lot	
a. Using physical or digital maps (for example, a road map, MapQuest, or Google Maps) and globes	(A)	(B)	(C)	(D)	(E)	VH459049
b. Natural resources (for example, oil, forests, or water)	(A)	(B)	(C)	(D)	(E)	VH459050
c. Countries and cultures	(A)	(B)	(C)	(D)	(E)	VH459051
d. Environmental issues (for example, pollution, recycling, climate change, or genetically modified food)	(A)	(B)	(C)	(D)	(E)	VH459052

3. During this school 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. Read material from a geography textbook	(A)	(B)	(C)	(D)	(E)	VH459128
b. Read extra material about geography not in the regular textbook (for example, newspapers, magazines, or online sources)	(A)	(B)	(C)	(D)	(E)	VH459129
c. Discuss material about geography with peers or teachers	(A)	(B)	(C)	(D)	(E)	VH459130
d. Conduct research about geography topics (for example, in a library or through interviews or observations)	(A)	(B)	(C)	(D)	(E)	VH459134
e. Listen to or watch movies, videos, or online content about geography topics	(A)	(B)	(C)	(D)	(E)	VH459135

4. During this school year so far, how often have you done each of the following? 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)	VH459148
b. Given class presentations on geography topics	(A)	(B)	(C)	(D)	(E)	VH459149
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)	VH459156
d. Taken part in environmental debates or panel discussions	(A)	(B)	(C)	(D)	(E)	VH459157

5. During this school year, how often do you do each of the following 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	(A)	(B)	(C)	(D)	(E)	VH459163
b. Examine how natural features of the Earth (for example, rivers or mountains) are formed	(A)	(B)	(C)	(D)	(E)	VH459165
c. Measure distances and sizes of areas on maps	(A)	(B)	(C)	(D)	(E)	VH459168
d. Examine what makes different regions in the United States unique	(A)	(B)	(C)	(D)	(E)	VH459169
e. Examine why groups of people migrate to different parts of the world	(A)	(B)	(C)	(D)	(E)	VH459183
f. Examine how humans affect the natural environment	(A)	(B)	(C)	(D)	(E)	VH459184
g. Examine how humans adjust to the natural environment	(A)	(B)	(C)	(D)	(E)	VH602888
h. Examine why different food and energy resources are traded globally	(A)	(B)	(C)	(D)	(E)	VH459185
i. Use geographic information (for example, maps, satellite images, or population data) to answer a question or solve a problem	(A)	(B)	(C)	(D)	(E)	VH459188

6. 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. Use games or apps in which you play a role (for example, an explorer, geographer, or historian)	(A)	(B)	(C)	(D)	(E)	VH459265
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

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. Geography is one of my favorite subjects to study.	(A)	(B)	(C)	(D)	(E)	VH459276
b. Schoolwork about geography is easy for me.	(A)	(B)	(C)	(D)	(E)	VH459277
c. I enjoy doing schoolwork about geography.	(A)	(B)	(C)	(D)	(E)	VH459280
d. I enjoy discussing geography topics with others.	(A)	(B)	(C)	(D)	(E)	VH459283
e. I think that geography schoolwork helps me understand what is happening in the world around me.	(A)	(B)	(C)	(D)	(E)	VH459284
f. I think that learning about geography topics will be important for my future.	(A)	(B)	(C)	(D)	(E)	VH459285

8. 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. Use online maps (for example, Google Maps, MapQuest, or Bing Maps)	(A)	(B)	(C)	(D)	(E)	VH459293
b. Read about geographic issues	(A)	(B)	(C)	(D)	(E)	VH459295
c. Give friends or family directions on how to get somewhere	(A)	(B)	(C)	(D)	(E)	VH459297
d. Look up geographic information in books or on the web	(A)	(B)	(C)	(D)	(E)	VH459298
e. Travel to places outside of your town	(A)	(B)	(C)	(D)	(E)	VH459299
f. Talk to friends or family about geographic topics	(A)	(B)	(C)	(D)	(E)	VH459300

9. How often do you receive help from a tutor, family member, or friend with social studies **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

10. 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 the Earth (for example, rivers or mountains) are formed	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459344
c. Measure distances and sizes of areas on maps	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459345
d. Describe what makes different regions in the United States unique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459346
e. Explain why groups of people migrate to different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459357
f. Explain how humans affect the natural environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459358
g. Explain how humans adjust to the natural environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH602980
h. Explain why different food and energy resources are traded globally	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459359
i. Use geographic information (for example, maps, satellite images, or population data) to answer a question or solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459361



11. In your social studies class this school year, how often have you done each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I came to my social studies class prepared.	(A)	(B)	(C)	(D)	(E)	VH457921
b. I remembered and followed directions from my social studies teacher.	(A)	(B)	(C)	(D)	(E)	VH457922
c. I started working on social studies assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH457923
d. I paid attention and resisted distractions during social studies class.	(A)	(B)	(C)	(D)	(E)	VH457924
e. I stayed on task without reminders from my social studies teacher.	(A)	(B)	(C)	(D)	(E)	VH457925

12. When you study geography, 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 a good student.	(A)	(B)	(C)	(D)	(E)	VH565898
b. I want to show others that my schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH565899
c. I want to look smart in comparison to the other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565903
d. I want to get better grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565901

13. When you study geography, 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 learn as much as possible in my class.	(A)	(B)	(C)	(D)	(E)	VH565908
b. I want to master a lot of new skills in my class.	(A)	(B)	(C)	(D)	(E)	VH565909
c. I want to become a better student this year.	(A)	(B)	(C)	(D)	(E)	VH565911
d. I want to get good grades in my schoolwork.	(A)	(B)	(C)	(D)	(E)	VH565912
e. I want to understand as much as I can in my class.	(A)	(B)	(C)	(D)	(E)	VH565910

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am a good geography student.	(A)	(B)	(C)	(D)	(E)	VH565917
b. I want to show others that my geography schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH565918
c. I want to look smart in comparison to the other students in my social studies or geography class.	(A)	(B)	(C)	(D)	(E)	VH565922
d. I want to get better geography grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH565920

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 to learn as much as possible about geography in my class.	(A)	(B)	(C)	(D)	(E)	VH565927
b. I want to master a lot of new geography skills in my class.	(A)	(B)	(C)	(D)	(E)	VH565928
c. I want to become a better geography student this year.	(A)	(B)	(C)	(D)	(E)	VH565930
d. I want to get good grades in my geography schoolwork.	(A)	(B)	(C)	(D)	(E)	VH565931
e. I want to understand as much as I can about geography in my class.	(A)	(B)	(C)	(D)	(E)	VH565929

16. 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457532
b. Short written responses (for example, a paragraph or less)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457533
c. Assignments that use different forms of media (for example, photos, videos, or music)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457534
d. Long written responses (for example, several paragraphs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457540
e. Responses to questions based on information from several sources (for example, letters, cartoons, or maps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH457542

17. 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

## **Part II-i: 2017 Pilot Grade 8 U.S. History**

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

	Yes, I took a class or course mainly focused on United States history.	Yes, I took a class or course that included some United States history topics.	No, I did not take a class or course that taught United States history topics.	I don't remember.	
a. 5th grade	(A)	(B)	(C)	(D)	VH459699
b. 6th grade	(A)	(B)	(C)	(D)	VH459700
c. 7th grade	(A)	(B)	(C)	(D)	VH459701
d. 8th grade	(A)	(B)	(C)	(D)	VH459702

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

	Not at all	Very little	Some	Quite a bit	A lot	
a. The period before 1815 (for example, age of exploration, colonization, settlement, or American Revolution)	(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

3. During this school 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. Read material from a United States history textbook	(A)	(B)	(C)	(D)	(E)	VH459756
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)	VH459757
c. Use primary sources (for example, letters, diaries, photographs, films, or essays written by people from the past)	(A)	(B)	(C)	(D)	(E)	VH459758
d. Discuss material about United States history with peers or teachers	(A)	(B)	(C)	(D)	(E)	VH459760
e. Conduct research about United States history topics (for example, in a library or through interviews or observations)	(A)	(B)	(C)	(D)	(E)	VH459762
f. Listen to or watch movies, videos, or online content about United States history topics	(A)	(B)	(C)	(D)	(E)	VH459763



4. During this school year so far, how often have you done each of the following? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459793
b. Given class presentations on United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459794
c. Written about your opinion on historical issues (for example, in a letter, e-mail, or blog post)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459797
d. Taken part in historical debates or panel discussions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459799
e. Taken part in role-playing, mock trials, or dramas about United States history topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH459800

5. During this school year, how often do you do each of the following 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	(A)	(B)	(C)	(D)	(E)	VH459803
b. Examine how time periods in United States history are similar or different	(A)	(B)	(C)	(D)	(E)	VH459806
c. Judge whether information from a source (for example, text, visual graphics, video, or audio) is accurate	(A)	(B)	(C)	(D)	(E)	VH459808
d. Analyze the relationship between two historical events	(A)	(B)	(C)	(D)	(E)	VH459866
e. Compare and evaluate different points of view about the past (for example, different ideas about what caused the Civil War)	(A)	(B)	(C)	(D)	(E)	VH459868
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)	(A)	(B)	(C)	(D)	(E)	VH459870
g. Take and defend a position about a historical issue (for example, how changes in transportation have affected the United States economy)	(A)	(B)	(C)	(D)	(E)	VH459871

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

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

7. 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

8. 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. Use games or apps in which you play a role (for example, an explorer, geographer, or historian)	(A)	(B)	(C)	(D)	(E)	VH459890
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

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. United States history is one of my favorite subjects to study.	(A)	(B)	(C)	(D)	(E)	VH459897
b. Schoolwork about United States history is easy for me.	(A)	(B)	(C)	(D)	(E)	VH459898
c. I enjoy doing schoolwork about United States history.	(A)	(B)	(C)	(D)	(E)	VH459901
d. I enjoy discussing United States history topics with others.	(A)	(B)	(C)	(D)	(E)	VH459905
e. I think that United States history schoolwork helps me understand what is happening in the world around me.	(A)	(B)	(C)	(D)	(E)	VH459906
f. I think that learning about United States history topics will be important for my future.	(A)	(B)	(C)	(D)	(E)	VH459907

10. 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. Read books about history	(A)	(B)	(C)	(D)	(E)	VH459947
b. Watch movies, videos, or TV programs about history	(A)	(B)	(C)	(D)	(E)	VH459949
c. Play video games about history	(A)	(B)	(C)	(D)	(E)	VH459950
d. Go to history museums or historical sites	(A)	(B)	(C)	(D)	(E)	VH459952
e. Do online research related to historical topics	(A)	(B)	(C)	(D)	(E)	VH459953
f. Visit websites about historical topics	(A)	(B)	(C)	(D)	(E)	VH459954
g. Talk to friends or family about historical topics	(A)	(B)	(C)	(D)	(E)	VH459955

11. 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

12. 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 form opinions about historical events only after I have information from more than one source.	(A)	(B)	(C)	(D)	(E)	VH460068
b. I need to know the history leading up to an event to truly understand it.	(A)	(B)	(C)	(D)	(E)	VH460069
c. I want to know what lies behind the story when I study a conflict in history.	(A)	(B)	(C)	(D)	(E)	VH460071
d. I try to understand others better by imagining how things look from their perspective.	(A)	(B)	(C)	(D)	(E)	VH460074
e. I try to look at everybody's side of a disagreement before I make a decision.	(A)	(B)	(C)	(D)	(E)	VH460075
f. I believe that there is more than one side to every question, and I try to look at all of them.	(A)	(B)	(C)	(D)	(E)	VH460076



13. When you study United States history, 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 a good student.	(A)	(B)	(C)	(D)	(E)	VH566228
b. I want to show others that my schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH566229
c. I want to look smart in comparison to the other students in my class.	(A)	(B)	(C)	(D)	(E)	VH566233
d. I want to get better grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH566231

14. When you study United States history, 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 learn as much as possible in my class.	(A)	(B)	(C)	(D)	(E)	VH566242
b. I want to master a lot of new skills in my class.	(A)	(B)	(C)	(D)	(E)	VH566243
c. I want to become a better student this year.	(A)	(B)	(C)	(D)	(E)	VH566245
d. I want to get good grades in my schoolwork.	(A)	(B)	(C)	(D)	(E)	VH566246
e. I want to understand as much as I can in my class.	(A)	(B)	(C)	(D)	(E)	VH566244

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 a good United States history student.	(A)	(B)	(C)	(D)	(E)	VH566259
b. I want to show others that my United States history schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH566260
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)	VH566264
d. I want to get better United States history grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH566262

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 want to learn as much as possible about United States history in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH566275
b. I want to master a lot of new United States history skills in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH566276
c. I want to become a better United States history student this year.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH566278
d. I want to get good grades in my United States history schoolwork.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH566279
e. I want to understand as much as I can about United States history in my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH566277

17. 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

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I came to my social studies class prepared.	(A)	(B)	(C)	(D)	(E)	VH457921
b. I remembered and followed directions from my social studies teacher.	(A)	(B)	(C)	(D)	(E)	VH457922
c. I started working on social studies assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH457923
d. I paid attention and resisted distractions during social studies class.	(A)	(B)	(C)	(D)	(E)	VH457924
e. I stayed on task without reminders from my social studies teacher.	(A)	(B)	(C)	(D)	(E)	VH457925

## **Part II-j: 2017 Cognitive Interviews Grade 12 Science**

1. In your science class this year, how often have you done hands-on activities or projects with any of the following? 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, bacteria)	(A)	(B)	(C)	(D)	(E)	VH639072
b. Electricity (for example, circuits, batteries, and light bulbs)	(A)	(B)	(C)	(D)	(E)	VH639074
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	(A)	(B)	(C)	(D)	(E)	VH639073
d. Rocks or minerals (for example, identifying types)	(A)	(B)	(C)	(D)	(E)	VH639077
e. Technology and engineering (for example, pulleys and levers)	(A)	(B)	(C)	(D)	(E)	VH639076
f. Magnifying glass or microscope (for looking at small things)	(A)	(B)	(C)	(D)	(E)	VH639075
g. Thermometer or barometer (for making measurements)	(A)	(B)	(C)	(D)	(E)	VH639078

2. In your science class this year, how often do you do each of the following? 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Use the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watch a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312

3. Thinking about science, 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. Describe the different procedures for heating or cooling a sample of water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Design a model showing how the length of a vibrating string affects the motion of the waves that are produced	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a type of plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use evidence to show how one organism has helped the other to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Use a food chain to show how the removal of one animal affects another	(A)	(B)	(C)	(D)	(E)	VH638876
f. Design an experiment that allows a fair test of how the growth of a plant is affected by light, water, and soil quality	(A)	(B)	(C)	(D)	(E)	VH638877
g. Create a diagram that shows how bees and plants both depend on one another for survival through pollination	(A)	(B)	(C)	(D)	(E)	VH638878
h. Describe how the combination of parental genes can result in different combinations of traits in their offspring, such as eye or hair color	(A)	(B)	(C)	(D)	(E)	VH638879
i. Decide which tool to use if you want to measure wind speed	(A)	(B)	(C)	(D)	(E)	VH638883
j. Predict the season based on a graph that shows the 30-day average temperature	(A)	(B)	(C)	(D)	(E)	VH638885



4. 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 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 learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
e. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
f. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089

5. 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. Carry out simple science-related projects with friends (for example, growing plants from beans or making sundials)	(A)	(B)	(C)	(D)	(E)	VH638970
b. Carry out advanced science-related projects with friends (for example, designing a model of a bridge, building simple rockets, or designing bird feeders)	(A)	(B)	(C)	(D)	(E)	VH638973
c. Volunteer with scientific researchers (for example, recording the types of plants or animals seen in a natural area, testing water samples in the neighborhood, helping a scientist in a lab)	(A)	(B)	(C)	(D)	(E)	VH638977
d. Write or blog about science topics	(A)	(B)	(C)	(D)	(E)	VH638983
e. Use scientific instruments (for example, telescopes, microscopes, scales)	(A)	(B)	(C)	(D)	(E)	VH638985
f. Read about science topics in books, magazines, or on digital devices	(A)	(B)	(C)	(D)	(E)	VH638987
g. Attend clubs or programs that include science activities	(A)	(B)	(C)	(D)	(E)	VH638988
h. Attend clubs or programs that include engineering activities (for example, build a robot, coding programs, etc.)	(A)	(B)	(C)	(D)	(E)	VH638991

6. This school year, how often did you do the following things 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 testable research questions, based on observation or investigation, that can explain how something works	(A)	(B)	(C)	(D)	(E)	VH639834
b. Made a detailed physical or computer simulated model to show how an outcome is based on several factors	(A)	(B)	(C)	(D)	(E)	VH639835
c. Evaluated the accuracy of a set of tests as part of a scientific investigation	(A)	(B)	(C)	(D)	(E)	VH639837
d. Evaluated the ethical concerns of a set of tests as part of a scientific investigation	(A)	(B)	(C)	(D)	(E)	VH639838
e. Used multiple kinds of tables, graphs, or statistics to identify relationships between variables	(A)	(B)	(C)	(D)	(E)	VH639840
f. Used sets of mathematical rules to explain or support scientific conclusions	(A)	(B)	(C)	(D)	(E)	VH639842
g. Used evidence from experiments, measurements of variables, and known scientific theories to explain why something happens	(A)	(B)	(C)	(D)	(E)	VH639843
h. Responded to disagreement about a scientific idea by pointing out facts and theories that support the idea	(A)	(B)	(C)	(D)	(E)	VH639845
i. Combined information about science from multiple sources for an assignment, placing more emphasis on the sources that provide more credible information	(A)	(B)	(C)	(D)	(E)	VH639848

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

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

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

	Yes	No	
a. Attended a career fair	<input type="radio"/> A	<input type="radio"/> B	VH640739
b. Answered questions on a career test (for example, the Vocational Interest Inventory, the Career Interest Test, or the Strong Interest Inventory)	<input type="radio"/> A	<input type="radio"/> B	VH640746
c. Taken a science course in addition to what you need to graduate	<input type="radio"/> A	<input type="radio"/> B	VH640748
d. Learned about science-related careers on your own	<input type="radio"/> A	<input type="radio"/> B	VH640749
e. Learned about science-related college programs on your own	<input type="radio"/> A	<input type="radio"/> B	VH640750
f. Spoken with a guidance counselor or teacher about science-related careers	<input type="radio"/> A	<input type="radio"/> B	VH640754
g. Spoken with a guidance counselor or teacher about science-related college programs	<input type="radio"/> A	<input type="radio"/> B	VH640757
h. Spoken with a family member or family friend who works in a scientific field about his/her job	<input type="radio"/> A	<input type="radio"/> B	VH640758
i. Spoken with an adult at school who works in a scientific field about his/her job	<input type="radio"/> A	<input type="radio"/> B	VH640760
j. Shadowed a person who does science-related work at his/her job	<input type="radio"/> A	<input type="radio"/> B	VH640771
k. Worked as an intern or employee doing science-related work	<input type="radio"/> A	<input type="radio"/> B	VH640773
l. Other (Please specify): _____	<input type="radio"/> A	<input type="radio"/> B	VH640776

9. In this school year, how often did you approach your teacher to talk about how you are doing in science?

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

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

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

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

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

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

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

## **Part II-k: 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

## **Part II-1: 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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240820
b. <b>Tech-prep</b> mathematics, <b>business</b> mathematics, <b>consumer</b> mathematics, or other <b>applied mathematics</b> course	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240844
c. <b>Introduction to algebra</b> or <b>pre-algebra</b> course	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240822
d. <b>Algebra I</b> course	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240823
e. <b>Geometry</b> course	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240824
f. <b>Algebra II</b> course, with or without <b>trigonometry</b>	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240825
g. <b>Trigonometry</b> (as a separate course)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240826
h. <b>Pre-calculus</b> course (also called introductory analysis)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240833
i. <b>Integrated</b> mathematics 1 (first year of a multi-year course)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240841
j. <b>Integrated</b> mathematics 2 (second year of a multi-year course)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH240842
k. <b>Integrated</b> mathematics 3 (third year of a multi-year course)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	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 mathematics 4</b> (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 mathematics</b> course (Please specify): <hr/>	<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**?

- Ⓐ Yes
- Ⓑ No

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

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

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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240768
b. I take mathematics because it will help me in the future.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH240770
c. I take mathematics to meet my high school graduation requirements.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	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.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
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.

## **Part II-m: 2016 Pilot Grade 12 Core**

1. Are you Hispanic or Latino? Select **one or more** answer choices.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

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

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

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

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

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

	Yes	No	
a. Access to the Internet	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. More than one bathroom with a bathtub or shower	<input type="radio"/> A	<input type="radio"/> B	VH336760
e. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
f. A desktop or laptop computer that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271108
g. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
h. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

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

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

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

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



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

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

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

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

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

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

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

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

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

VH336776

13. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336779

14. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH336786

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

---

---

---

---

---

---

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

---

---

---

---

---

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

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

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

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

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

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

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

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

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

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

22. How often do the following things happen at home? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. People at home ask what I am learning in school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271260
b. I talk about things I have studied in school with someone in my family.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271261
c. People at home make sure that I make time for my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271262
d. People at home check if I do my homework.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271263



VH271273

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

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

VH271274

24. In this school year, how often did you use a **laptop or desktop computer** during your classes at school?

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

VH271275

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

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

VH271276

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

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

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

- A No
- B Yes

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271338
b. I try very hard even after making mistakes.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271339
c. I continue to work towards my goals, even when they take a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271341
d. I keep working hard even when I feel like quitting.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271342
e. I continue working on what I set out to do, even when it takes a long time to complete.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271344
f. I keep trying to improve myself, even when it takes a long time to get there.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH271345

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I came to class prepared.	(A)	(B)	(C)	(D)	(E)	VH271368
b. I remembered and followed directions.	(A)	(B)	(C)	(D)	(E)	VH271369
c. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
d. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
e. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
f. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. At school, I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH329466
b. At school, I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH329467
c. At school, I continue to work towards my goals, even when they take a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329468
d. At school, I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH329469
e. At school, I continue working on what I set out to do, even when it takes a long time to complete.	(A)	(B)	(C)	(D)	(E)	VH329470
f. At school, I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH329471

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

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

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

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

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

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

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

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

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

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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271750
b. I like activities that challenge my thinking abilities.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271752
c. I enjoy situations where I will have to think about something.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271753
d. I find satisfaction in thinking hard and for long hours.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271754
e. I enjoy thinking about new solutions to problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271756
f. I like to think of my life as a puzzle that I must solve.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271758

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

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

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I felt left out of things at school.	(A)	(B)	(C)	(D)	(E)	VH271935
b. I felt like I belong at school.	(A)	(B)	(C)	(D)	(E)	VH271936
c. I felt that I was treated fairly by my teachers.	(A)	(B)	(C)	(D)	(E)	VH271937
d. I felt that teachers encouraged me to do my best.	(A)	(B)	(C)	(D)	(E)	VH271938
e. I worried about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH271940
f. I felt excited about something I learned in my classes.	(A)	(B)	(C)	(D)	(E)	VH271941
g. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH271942
h. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH271944
i. I looked forward to going to school in the morning.	(A)	(B)	(C)	(D)	(E)	VH336900
j. I felt lonely at school.	(A)	(B)	(C)	(D)	(E)	VH336901
k. I did not feel safe on my way to and from school.	(A)	(B)	(C)	(D)	(E)	VH336902
l. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH336903
m. I felt that I learned something that will help me in the future.	(A)	(B)	(C)	(D)	(E)	VH336904
n. I felt that I would like to go to a different school if I could.	(A)	(B)	(C)	(D)	(E)	VH336905



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

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

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

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

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

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

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

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

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

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

**Part II-n: 2018 Reading SBT Special Study Student  
Engagement Items**

	Very True	Somewhat True	Not Very True	Not at All True
The reading materials were interesting.				
It was fun to do the readings.				
During my free time, I read often.				
I read as much as I could.				
I read for long periods of time.				
I enjoyed reading.				
I could understand all the readings.				
I could correctly answer questions about the readings.				
The key points in the text were clear to me.				
The main ideas of the readings were easy to find.				
I could figure out what unfamiliar words meant.				
I figured out how different chapters fit together in the readings.				
The readings materials were way too hard for me.				
The readings were really confusing to me.				
It was hard for me to discuss the reading materials.				
I had a hard time explaining to classmates what the texts meant.				
The teacher's questions about the readings were hard for me to answer.				
I need help understanding some of the main ideas.				
The readings gave me useful knowledge.				
I could relate the readings to my life.				
It was very important to me to do my reading.				
Studying the materials was beneficial to me.				
Understanding the reading materials will help me next year.				
I learned something valuable from the reading assignments.				
I could not relate to the readings.				
Reading the materials was not useful for me.				

Reading was a waste of time.				
Reading was not important to me.				
I had more important things to do than read.				
What I read will not help me in the future.				
Even if the reading assignments were difficult, I completed them.				
I went above and beyond what was expected of me in reading.				
I spent as much time reading as needed to complete my reading homework.				
For every reading assignment, I worked hard.				
I made sure I had enough time to complete my reading assignments.				
I put a lot of effort into reading.				
I did not try to complete most of the reading assignments.				
I read as little as possible.				
Every day, I tried to get out of reading.				
I put as little effort as possible into my reading.				
I avoided spending time on the readings.				

## **Part II-o: 2018 ORF Items**

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

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

Tell us about the last time you read out loud.

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

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

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

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

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

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

**Part II-p: 2017 Operational Grade 4 Mathematics**



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. 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

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

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	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

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

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
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



20. 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

21. 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

22. 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

23. 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

24. 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

25. 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

26. 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

27. 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

28. 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

29. 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

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

- Ⓐ Yes
- Ⓑ No

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

32. 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

33. 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

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 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

**Part II-q: 2017 Operational Grade 8 Mathematics**



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. 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



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

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

23. 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.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

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

--	--	--	--	--

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	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266809
b. Graphing calculator	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH266810

32. This school year, how often did the following things happen in your math class? 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. My teacher used computers or other digital devices to show us how to work through math problems.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267416
b. I used the Internet for my math work.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267417
c. My teacher used computers or other digital devices when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH588077
d. My teacher required us to use computers or other digital devices to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	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

## **Part II-r: 2018 Assessment Delivery Study Debriefing Items**

## STUDENT DEBRIEFING QUESTIONS

### Student Debriefing

1. Did the device you used (such as a computer or tablet) seem to be working correctly?  
Yes/No. (If no, explain)
2. Did you have trouble using the device to enter your results/answers?  
Yes/No. (If yes, explain)
3. During the test, did you have any trouble using the computer or tablet?  
Yes/No. (If yes, explain)
4. During the test, did any of the questions seem to take too long to appear on the screen or seem slow to move to the next question?  
Yes/No. (If yes, explain)
5. Did you use any of the following tools that were available in the test, and if so, how did they work for you?

Tool	Tool Worked	Problem Using Tool	Didn't Use Tool	Don't know this tool
<ul style="list-style-type: none"> <li>• <b>Zooming</b>-This tool makes text and images on the screen larger</li> <li>• <b>Scratchwork</b>- This tool allows you to use a pencil, highlighter, and eraser to write, highlight and erase directly on the screen.</li> <li>• <b>Highlighter</b>- This tool highlights text by changing the background color of the text to yellow.</li> <li>• <b>Elimination Capability</b>- This tool is used for multiple choice questions. It allows you to hide (or eliminate) an answer choice that you think is incorrect.</li> <li>• <b>Closed Captioning</b>- This tool displays subtitles (typed text) on the screen for parts of the test that are spoken out loud.</li> <li>• <b>Read Aloud (TTS)</b>- This tool allows you to have text read to you out loud.</li> <li>• <b>Calculator</b>- This tool does math calculations (add, subtract, multiply divide).</li> </ul>				

6. Did you use any of the following tools, and did they work for you?

Tool	Tool worked	Problem using tool	Didn't use tool	Don't know this tool
<ul style="list-style-type: none"><li>• <b>Stylus</b>-This tool is a pen that allows you to write directly on a tablet or computer.</li><li>• <b>Touchpad (on the keyboard)</b>- This tool is a small pad on a keyboard that allows you to move the cursor (pointer) on the screen by touching the pad.</li><li>• <b>Mouse</b>- This tool is attached to the computer and allows you to move the cursor (pointer) on the screen by moving it.</li><li>• <b>Keyboard</b>-This tool allows you to type text, numbers, and other characters so they appear on the screen.</li><li>• <b>Touchscreen</b>- This tool allows you to use the computer or tablet by touching areas of the screen.</li></ul>				