NAEP

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

Technology and Engineering Literacy School Questionnaire

2018
Grade 8

This section should be completed by the principal or the head of the school.

VH712259

1. What is your sex?

Ⓐ Male

Ⓑ Female

VH240382

2. What grades are taught in your school? Select **all** squares that apply.

Ⓐ Pre-kindergarten

Ⓑ Kindergarten

Ⓒ 1st grade

Ⓓ 2nd grade

Ⓔ 3rd grade

Ⓕ 4th grade

Ⓖ 5th grade

Ⓗ 6th grade

Ⓘ 7th grade

Ⓙ 8th grade

Ⓚ 9th grade

Ⓛ 10th grade

Ⓜ 11th grade

Ⓝ 12th grade

VH240383

3. Can your school be described by any of the following? Select **all** squares that apply.

- Ⓐ Elementary school
- Ⓑ Middle or junior high school
- Ⓒ Secondary school
- Ⓓ Regular school with a magnet program
- Ⓔ A magnet school or a school with a special program emphasis, e.g., science/mathematics school, performing arts school, talented/gifted school, foreign language immersion school
- Ⓕ Special education school: primarily serves students with disabilities
- Ⓖ Alternative school: offers a curriculum designed to provide alternative or nontraditional education, not clearly categorized as regular, special, or vocational education
- Ⓗ Private independent school
- Ⓘ Private religiously affiliated school
- Ⓙ Independent charter school
- Ⓚ Charter school administered by local school district
- Ⓛ Other (Please specify): _____

VH720977

4. Please identify the organization(s) listed below to which your school is most closely affiliated. Select **all** squares that apply.

- Ⓐ American Association of Christian Schools
- Ⓑ Association of Christian Schools International
- Ⓒ Christian Schools International
- Ⓓ National Association of Episcopal Schools
- Ⓔ National Association of Independent Schools
- Ⓕ National Catholic Educational Association
- Ⓖ National Society of Hebrew Day Schools
- Ⓗ The Association of Boarding Schools
- Ⓘ Other (Please specify): _____
- Ⓙ Not affiliated with any organization

VH253912

5. What is the current enrollment in your school?

☐☐☐☐

VH253943

6. Approximately what percentage of eighth-graders in your school is new this year?

☐☐☐ %

VH240214

7. About what percentage of this year's eighth-graders was held back and is repeating eighth grade?

Ⓐ 0%

Ⓑ 1–2%

Ⓒ 3–5%

Ⓓ 6–10%

Ⓔ More than 10%

VH240208

8. Of the students currently enrolled in your school, what percentage has been identified as limited-English proficient?

Ⓐ 0%

Ⓑ 1–5%

Ⓒ 6–10%

Ⓓ 11–25%

Ⓔ 26–50%

Ⓕ 51–75%

Ⓖ 76–90%

Ⓗ Over 90%

VH240209

9. Last school year, approximately what percentage of students at your school enrolled after the first day of school?

Ⓐ 0%

Ⓑ 1–3%

Ⓒ 4–6%

Ⓓ 7–10%

Ⓔ 11–20%

Ⓕ Over 20%

VH240210

10. Last school year, approximately what percentage of students at your school left before the end of the school year?

Ⓐ 0%

Ⓑ 1–3%

Ⓒ 4–6%

Ⓓ 7–10%

Ⓔ 11–20%

Ⓕ Over 20%

VH240211

11. About what percentage of your students is absent on an average day? (Include excused and unexcused absences in calculating this rate.)

Ⓐ 0–2%

Ⓑ 3–5%

Ⓒ 6–10%

Ⓓ More than 10%

VH240212

12. About what percentage of your teachers is absent on an average day? (Include all absences in calculating this rate.)

Ⓐ 0–2%

Ⓑ 3–5%

Ⓒ 6–10%

Ⓓ More than 10%

VH240215

13. Does your school participate in the National School Lunch Program?

Ⓐ Yes

Ⓑ No ➔*Questions 14–16 are not applicable and will be skipped.*

VH240216

14. How does the school operate the program?

Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. ➔*Question 15 is not applicable and will be skipped.*

Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3).

VH240217

15. If your school distributes free lunch to all students under Provision 2 or 3, what was the **base year** during which individual student eligibility was collected?

Ⓐ This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.

Ⓑ 2017

Ⓒ 2016

Ⓓ 2015

Ⓔ 2014

Ⓕ 2013

Ⓖ 2012 or earlier

VH240218

16. During this school year, about what percentage of students in your school was eligible to receive a free or reduced-price lunch through the National School Lunch Program?

Ⓐ 0%

Ⓑ 1–5%

Ⓒ 6–10%

Ⓓ 11–25%

Ⓔ 26–34%

Ⓕ 35–50%

Ⓖ 51–75%

Ⓗ 76–99%

Ⓘ 100%

VH240219

17. Does your school receive Title I funding? (Title I is a federally funded program that provides educational services, such as remedial reading or remedial math, to children who live in areas with high concentrations of low-income families.)

Ⓐ No

Ⓑ Yes, our school receives funds, which are targeted to eligible students.

Ⓒ Yes, our school receives funds, which are used for schoolwide purposes.

VH241920

18. Approximately what percentage of students in your school receives the following services? Select **one** circle in each row. Students who receive more than one service should be counted for each service they receive. Please report the percentage of students who receive each of the following services as of the day you respond to this questionnaire.

	None	1–5%	6–10%	11–25%	26–50%	51–75%	76–90%	Over 90%	
a. Targeted Title I services	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VH241931
b. Gifted and talented program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VH241922
c. Instruction provided in student's home language (non-English)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VH241923
d. English-as-a-second-language (not in a bilingual education program)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VH241924
e. Special education	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	VH241925

VH240220

19. During a typical week of school, what is the total number of regularly scheduled volunteers, including parents, working in the school?

Ⓐ 0

Ⓑ 1–5

Ⓒ 6–10

Ⓓ 11–15

Ⓔ 16–25

Ⓕ More than 25

VH241938

20. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Select **one** circle in each row.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241940
b. Attend teacher–parent conferences	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH241939

VH253959

For all teacher counts entered in this item:

INCLUDE these types of teachers:

- *Regular*
- *Special area or resource teachers (e.g., special education, Title I, art, music, physical education)*
- *Long-term substitute teachers*

INCLUDE these types of teachers:

- *Itinerant teachers who teach part-time at this school*
- *Employees reported in other items of this section if they also have a part-time teaching assignment at this school*

DO NOT INCLUDE:

- *Student teachers*
- *Short-term substitute teachers*
- *Teachers who teach ONLY pre-kindergarten or adult education*

21. Around the first of October, how many TEACHERS held full-time or part-time positions or assignments in this school? *If none, mark (0) in the boxes.*

a. Full-time

_____ Full-time teachers

b. Part-time

_____ Part-time teachers

VH547401

22. Does your school, district, or diocese offer tenure to teachers?

Ⓐ Yes

Ⓑ No ➔*Question 23 is not applicable and will be skipped.*

VH241941

23. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Select **one** circle in each row.

	0–10%	**11–25%**	**26–50%**	**51–75%**	**76–90%**	**Over 90%**	
a. Non-tenured teachers who had taught for at least one year	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241943
b. Tenured teachers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH241942

VH254012

24. In the last school year, how many full-time teachers were new to your school?

☐☐☐

If you answered 0, ➔*Question 25 is not applicable and will be skipped.*

VH240222

25. Of the full-time teachers who were new to your school last year, what percentage stayed on as full-time teachers for this school year?

Ⓐ 0–10%

Ⓑ 11–25%

Ⓒ 26–50%

Ⓓ 51–75%

Ⓔ 76–90%

Ⓕ Over 90%

VH591899

26. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.

Ⓐ Desktop computers ➔*If not selected, questions 27–28 are not applicable and will be skipped.*

Ⓑ Laptop computers (including Chromebooks)➔*If not selected, questions 29–31 are not applicable and will be skipped.*

Ⓒ Tablets (for example, Surface Pro, iPad, Kindle Fire) ➔*If not selected, questions 32–34 are not applicable and will be skipped.*

Ⓓ Other digital devices (Please specify): _____

VH587116

27. What is the average age of the **desktop computers** in your school?

Ⓐ Up to 2 years old

Ⓑ More than 2 years but less than 4 years old

Ⓒ More than 4 years but less than 6 years old

Ⓓ 6 years old or more

Ⓔ I don't know.

VH342882

28. In your school, where are **desktop computers** available for students to work? Select **all** squares that apply.

Ⓐ In some classrooms

Ⓑ In all classrooms

Ⓒ In a media center

Ⓓ In a computer lab

Ⓔ In the school library

Ⓕ Other (Please specify): _____

VH587118

29. What is the total number of **laptop computers** (including Chromebooks) available for students in your school? Enter the number of laptop computers.

☐☐☐☐

If you answered 0, ➔*Questions 30 and 31 are not applicable and will be skipped.*

VH587129

30. What is the average age of the **laptop computers** (including Chromebooks) in your school?

Ⓐ Up to 2 years old

Ⓑ More than 2 years but less than 4 years old

Ⓒ More than 4 years but less than 6 years old

Ⓓ 6 years old or more

Ⓔ I don't know.

VH587122

31. In your school, where are **laptop computers** (including Chromebooks) available for students to work? Select **all** squares that apply.

Ⓐ In some classrooms

Ⓑ In all classrooms

Ⓒ In a media center

Ⓓ In a computer lab

Ⓔ In the school library

Ⓕ On mobile carts

Ⓖ Other (Please specify): _____

VH311502

32. What is the total number of **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students in your school? Enter the number of tablets.

☐☐☐☐

If you answered 0, ➔*Questions 33 and 34 are not applicable and will be skipped.*

VH587138

33. What is the average age of the **tablets** (for example, Surface Pro, iPad, Kindle Fire) in your school?

Ⓐ Up to 2 years old

Ⓑ More than 2 years but less than 4 years old

Ⓒ More than 4 years but less than 6 years old

Ⓓ 6 years old or more

Ⓔ I don't know.

VH587131

34. In your school, where are **tablets** (for example, Surface Pro, iPad, Kindle Fire) available for students to work? Select **all** squares that apply.

Ⓐ In some classrooms

Ⓑ In all classrooms

Ⓒ In a media center

Ⓓ In a computer lab

Ⓔ In the school library

Ⓕ On mobile carts

Ⓖ Other (Please specify):_____

VH617371

35. In your school, is there a wireless Internet connection that students can use for schoolwork?

Ⓐ Yes, everywhere or almost everywhere in the school.

Ⓑ Yes, in some areas of the school.

Ⓒ No

VH617375

36. This school year, did your school offer technical support to teachers for **computers** and **tablets** used in this school?

Ⓐ Yes, we are partnering with a provider outside the school.

Ⓑ Yes, we have technical support staff in the school.

Ⓒ No

VH311409

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

	Never	**About once or twice a year**	**About once or twice a month**	**About once or twice a week**	**Every day or almost every day**	**Several times a day**	
a. Teach jointly as a team in the same class	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311410
b. Observe other teachers' classes and provide feedback	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311411
c. Engage in discussions about the learning development of specific students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311414
d. Work with other teachers during common planning times to ensure common standards in evaluations for assessing student progress	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH311415

The following questions are about your school's characteristics and policies related to technology and engineering.

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

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

Throughout the questionnaire, unless otherwise specified, please consider and include technology and engineering topics and instruction that occur in technology- or engineering-specific courses as well as other courses (for example, science, geography, art).

VH242028

1. In your school, prior to or in eighth grade, what percentage of eighth-grade students receive instruction in each of the following topics? Select **one** circle in each row.

	None: Not included in the curriculum	**Under 10%**	**10–25%**	**26–50%**	**51–75%**	**Over 75%**	
a. How objects are designed to solve problems or meet people's needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242029
b. The interactions among technology, society, and the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242030
c. The role of technology systems (for example, energy usage, healthcare, communications)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242034
d. How computers, the Internet, and other digital technologies affect society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242032
e. Careers in technical fields (for example, engineer, medical technician, computer programmer)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242033
f. Concepts related to specific technologies (for example, electronics, biotechnology, agriculture)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242031

VH242816

2. Prior to or in eighth grade, how are each of the following areas addressed in your school's curriculum? Select **all** squares that apply.

	Required	Elective	After school	Not offered	
a. Technology and Society (the effects that technology has on society or the natural world; or, the ethical questions that arise from those effects)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242817
b. Design and Systems (the nature of technology, the engineering design process by which technologies are developed, or basic approaches to dealing with everyday technologies, including maintenance or troubleshooting)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242819
c. Information and Communication Technology (for example, computers; software learning tools; networking systems and protocols; handheld digital devices; other technologies for accessing, creating, or communicating information for facilitating creative expression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242818

VH240246

3. Prior to or in eighth grade, does your school require any technology or engineering instruction to students?

Ⓐ Yes ➔*Continue to Question 4.*

Ⓑ No ➔*Skip to Question 5.*

VH242035

4. To what extent is your school's technology or engineering instruction based on the following? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242036
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242037
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242038
d. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242045
e. In-school curriculum frameworks or standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242039
f. Recommendations from your teachers or content specialists	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242041
g. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242043
h. Textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242040
i. Other (specify): _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242042

VH240247

5. Prior to or in eighth grade, does your school offer any courses or afterschool programs that cover technology or engineering concepts?

Ⓐ Yes ➔*Continue to Question 6.*

Ⓑ No ➔*Skip to Question 8.*

VH254031

6. In the rows below, please identify the most relevant courses that cover technology or engineering concepts (up to five) that your school offers to students prior to or in eighth grade.

a. Course 1:_____

b. Course 2:_____

c. Course 3:_____

d. Course 4:_____

e. Course 5:_____

VH242046

7. In an average school year, how often is the typical eighth-grade student at your school assessed in what he or she knows about technology or engineering using the following methods? Select **one** circle in each row.

	Never	**Once or twice a year**	**Once or twice a quarter**	**Once or twice a month**	**Once a week or more**	**I don't know.**	
a. Standardized or performance tests	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242047
b. Teacher-developed tests and quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242049
c. Student assignments, projects, or homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VH242048

VH733007

8. The goal of the following set of questions is to gather information about the student-computer ratio for eighth-grade students at your school.

At your school, what is the total number of students in the eighth grade? _____

Approximately how many computers in the school are available to eighth-grade students for educational purposes? _____

Approximately how many of these computers are connected to the Internet? _____

Approximately how many of all computers are eighth-grade students allowed to take home with them (for example, laptops or tablets)? _____

➔If you answered question 8d with 0, *Question 9 is not applicable and will be skipped.*

VH240248

9. Does your school provide computers that students are allowed to take home with them?

Ⓐ Yes, and students are allowed to keep their computer after the school year ends.

Ⓑ Yes, but students must return their computer (for example, at the end of the week or end of the school year).

Ⓒ No

VH242055

10. In your school, prior to or in eighth grade, what percentage of eighth-grade students has taken advantage of the following school-sponsored resources during or after school? Select **one** circle in each row.

	School does not provide this resource to students.	**0–5%**	**6–20%**	**21–50%**	**Over 50%**	
a. Clubs, competitions, exhibits, etc., related to some aspect of technology and engineering	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242056
b. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242057
c. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242060
d. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242059
e. Online courses in any subject	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242058

VH242061

11. This year in your school, are the following resources available to teachers for teaching or professional development? Select **one** circle in each row.

	Yes	No	
a. Financial support for professional development related to technology and engineering	Ⓐ	Ⓑ	VH242062
b. Financial support for association memberships related to technology and engineering	Ⓐ	Ⓑ	VH242063
c. Financial support for university or online courses related to technology and engineering	Ⓐ	Ⓑ	VH242064
d. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	VH242069
e. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	VH242066
f. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	VH242067
g. Supplies or equipment for technology demonstrations	Ⓐ	Ⓑ	VH242068
h. Textbooks or digital tutorials related to technology or engineering	Ⓐ	Ⓑ	VH242065

VH242070

12. Does your school have equipment available for instruction with the following capabilities? Select **one** circle in each row.

	Not available	Available for some teachers	Available for all teachers	
a. Recording video	Ⓐ	Ⓑ	Ⓒ	VH242072
b. Taking digital images	Ⓐ	Ⓑ	Ⓒ	VH242073
c. Converting non-digital images or content (for example, scanner)	Ⓐ	Ⓑ	Ⓒ	VH242078
d. Projecting digital images	Ⓐ	Ⓑ	Ⓒ	VH242075
e. Projecting interactive data (for example, interactive whiteboard that responds to user control via stylus, finger, or other device)	Ⓐ	Ⓑ	Ⓒ	VH242076
f. Collecting data (for example, tools such as sensors or probes that detect or collect information such as motion, pH, temperature, light)	Ⓐ	Ⓑ	Ⓒ	VH242077
g. Mobile computing (for example, handheld or portable computer devices)	Ⓐ	Ⓑ	Ⓒ	VH242074

VH242079

13. To what extent is your school's capability to provide instruction in technology or engineering concepts hindered by any of the following? Select **one** circle in each row.

	Not at all	**Small extent**	**Moderate extent**	**Large extent**	
a. Lack of qualified teachers trained in technological or engineering content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242080
b. Lack of technical support personnel	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242081
c. Lack or inadequacy of instructional materials (for example, textbooks, computers, software)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242082
d. Lack or inadequacy of Internet connectivity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242087
e. Lack or inadequacy of laboratory or workshop equipment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242084
f. Lack or inadequacy of audio-visual resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242085
g. Lack of curriculum development expertise or standards specificity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242086
h. Lack of time because of demands for other curriculum content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH242083

VH242088

14. In the past two years, what percentage of teachers in your school has participated in professional development in any of the following? Select **one** circle in each row.

	Not applicable	0%	1–25%	26–50%	51–75%	Over 75%	I don't know.	
a. Content, curriculum, or pedagogy related to engineering design	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH242089
b. Content, curriculum, or pedagogy related to technology or technological literacy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH242091
c. Integrating information and communications technology into instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VH242090

VH242092

15. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

	None	A little	Some	A lot	I don't know.	
a. Inventions that change the way people live	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242093
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242096
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242095
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242094

VH242097

16. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

	Not at all	**Small extent**	**Moderate extent**	**Large extent**	**I don't know.**	
a. Describe how inventions change society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242098
b. Compare how different activities affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242101
c. Explain why people have different tools, machines, or devices in different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242100

VH242136

17. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

	None	A little	Some	A lot	I don't know.	
a. The use and purpose of tools, machines, or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242137
b. The care or maintenance of tools, machines, or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242138
c. Designing or creating something to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242142
d. Designing something when there is limited time, money, or materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242140
e. Figuring out how to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242141
f. Finding the right people to work with or get help from to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242139

VH242143

18. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a. Use tools and materials to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242150
b. Use different tools, materials, or machines to see which are best for a given purpose	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242144
c. Build or test a model to see if it solves a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242145
d. Figure out why something is not working in order to fix it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242148
e. Take something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242146
f. Design a computer program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242149
g. Examine how parts, processes, or people work together in a system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242147

VH242151

19. In your school, prior to or in eighth grade, how much emphasis is placed on teaching students the following? Select **one** circle in each row.

	None	A little	Some	A lot	I don't know.	
a. How to judge reliability of sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242153
b. How to credit others for their ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242154
c. How to collaborate or share information with others	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242158
d. How to consult with experts to get help	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242157
e. How to find information or data to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242155
f. Run simulations (a learning activity that imitates real life)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242156

VH242159

20. In your school, prior to or in eighth grade, to what extent do students do the following activities? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a. Use digital tools to gather and display information in order to test a hypothesis	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242162
b. Select and use appropriate digital technologies to create a presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242161
c. Use a computer or other digital technology to simulate a system and explain different outcomes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242163
d. Give feedback to others when working together	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH242160

VH770082

1. Would you like access to an interactive website that shows how others in the nation responded to a similar NAEP questionnaire?

Ⓐ Yes

Ⓑ No

VH770084

2. If yes, please provide your email address so that we may send access to the website.

_____

This section should be completed by the principal or the head of the school.

VH240223

1. Is your school a public **charter** school?

(A charter school is a public school that, in accordance with an enabling state statute, has been granted a charter exempting it from selected state or local rules and regulations. A charter school may be a newly created school, or it may previously have been a public or private school.)

Ⓐ Yes

Ⓑ No ➔*Questions 2–8 are not applicable and will be skipped.*

VH254022

2. In which year did your school start providing instruction as a charter school?

☐☐☐☐

VH240224

3. Who granted your school's current charter?

Ⓐ School district

Ⓑ State board of education (includes state board of regents and District of Columbia State Board of Education)

Ⓒ Postsecondary institution

Ⓓ State charter-granting agency

Ⓔ City or state public charter school board

Ⓕ Other (specify):_____

VH240225

4. What is the legal status of your school?

Ⓐ Officially part of the school district or local education agency (LEA)

Ⓑ Independent from the school district or local education agency (LEA)

Ⓒ A separate local education agency (LEA) as stipulated by state law

VH240226

5. Is this school operated by a company or organization that also operates other charter schools?

Ⓐ Yes

Ⓑ No

VH240227

6. Which one of the following best describes your charter school's **primary** focus in terms of program content?

Ⓐ We have a comprehensive curriculum with no specialized area of focus.

Ⓑ We have a special curricular focus, for example, the arts, math/science, foreign language immersion.

Ⓒ Our curriculum is based on a particular educational theory, for example, Montessori, open school, Core Knowledge.

Ⓓ Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.

VH240228

7. Does your school provide a written contract for parents?

Ⓐ Yes, and parents are required to abide by it.

Ⓑ Yes, but signing it is voluntary.

Ⓒ No ➔*Question 8 is not applicable and will be skipped.*

VH241944

8. Are the following elements addressed in your charter–parent contract? Select **one** circle in each row.

	Yes	No	
a. Dress code	Ⓐ	Ⓑ	VH241947
b. Home learning environment	Ⓐ	Ⓑ	VH241951
c. Homework	Ⓐ	Ⓑ	VH241946
d. Parent–teacher communication	Ⓐ	Ⓑ	VH241953
e. Parent volunteering	Ⓐ	Ⓑ	VH241952
f. School discipline policy	Ⓐ	Ⓑ	VH241948
g. Student attendance	Ⓐ	Ⓑ	VH241945
h. Student promotion policy	Ⓐ	Ⓑ	VH241950
i. Other (specify): _____	Ⓐ	Ⓑ	VH259448