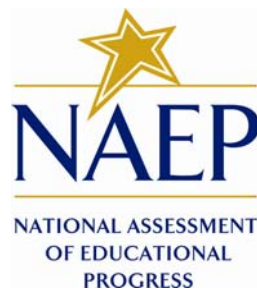


# NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

## *Wave 2 Submittal for 2014* **VOLUME II** ***SURVEY QUESTIONS***

### **Part 2** **School Grade 8**



#### **Part 2 contains School Grade 8:**

School Characteristics and Policies

TEL

Charter School

*The amount of time estimated to complete these forms: 30 minutes*

# SCHOOL QUESTIONNAIRES

## OMB Information on School Questionnaire Cover Page

### Paperwork Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this information collection is **1850-0790**. The time required to complete this information collection is estimated to average 30 minutes including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. **If you have any comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: U.S. Department of Education, Washington, D.C. 20202-4537. If you have comments or concerns regarding the status of your individual submission of this form, write directly to: NAEP/NCES, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202.**

### **A project of the National Center for Education Statistics (NCES), Institute of Education Sciences, U.S. Department of Education.**

The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every NCES employee as well as every agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of up to \$250,000, or both if he or she willfully discloses ANY identifiable information about you.

OMB No. 1850-0790 APPROVAL EXPIRES 03/31/2016

# School Grade 8: TEL

School Grade 8 TEL Questionnaire

*The amount of time estimated to complete this form is 30 minutes.*

Note: Questions will be delivered via computer – part numbers, directions and objects (squares, circles, etc.) will be depicted appropriately in the actual system.

## School Questionnaire – Grade 8

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

Some of the questions that follow ask you to fill in specific numbers. For those questions, please print the appropriate numbers in the boxes provided. Please PRINT LEGIBLY. Using one number per box, fill in every box. Keep all printing within the boxes. Do not make any stray marks. Use only a No. 2 pencil.

Example:  
150 would be written as

,

Examples of numerals are:

## Part I: School Characteristics and Policies

VB337248

1. What grades are taught in your school? Fill in **all** ovals that apply.

- Ⓐ Pre-kindergarten
- Ⓑ Kindergarten
- Ⓒ 1st grade
- Ⓓ 2nd grade
- Ⓔ 3rd grade
- Ⓕ 4th grade
- Ⓖ 5th grade
- Ⓗ 6th grade
- Ⓘ 7th grade
- Ⓙ 8th grade
- Ⓚ 9th grade
- Ⓛ 10th grade
- Ⓜ 11th grade
- Ⓝ 12th grade



2. Can your school be described by any of the following? Fill in ovals for **all** 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 (specify): \_\_\_\_\_

3. What is the current enrollment in your school?

,

VE462941

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

%

VB337256

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

- A 0%
- B 1–5%
- C 6–10%
- D 11–25%
- E 26–50%
- F 51–75%
- G 76–90%
- H Over 90%

VE588132

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

- A 0%
- B 1–3%
- C 4–6%
- D 7–10%
- E 11–20%
- F Over 20%



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

- Ⓐ 0%
- Ⓑ 1–3%
- Ⓒ 4–6%
- Ⓓ 7–10%
- Ⓔ 11–20%
- Ⓕ Over 20%

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

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%

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

- Ⓐ 0–2%
- Ⓑ 3–5%
- Ⓒ 6–10%
- Ⓓ More than 10%



HE002230

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

- Ⓐ 0%
- Ⓑ 1–2%
- Ⓒ 3–5%
- Ⓓ 6–10%
- Ⓔ More than 10%

HE002094

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

- Ⓐ Yes → *Go to Question 12.*
- Ⓑ No → *Skip to Question 15.*

VB556173

12. How does the school operate the program?

- Ⓐ Student eligibility is determined individually, and eligible students receive free or reduced-price lunch. → *Skip to Question 14.*
- Ⓑ All students in school receive free lunch under special provisions (e.g., Provision 2 or 3). → *Go to Question 13.*

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

- Ⓐ This school does not distribute free lunch to all students under Provision 2 or 3—eligibility is determined annually.
- Ⓑ 2013
- Ⓒ 2012
- Ⓓ 2011
- Ⓔ 2010
- Ⓕ 2009
- Ⓖ 2008 or earlier

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

- Ⓐ 0%
- Ⓑ 1–5%
- Ⓒ 6–10%
- Ⓓ 11–25%
- Ⓔ 26–34%
- Ⓕ 35–50%
- Ⓖ 51–75%
- Ⓗ 76–99%
- Ⓘ 100%

VB608488

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

- A No
- B Yes, our school receives funds, which are targeted to eligible students.
- C Yes, our school receives funds, which are used for schoolwide purposes.

VB485284

16. Approximately what percentage of students in your school receives the following services? Fill in **one** oval on each line. 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	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VB610145
b. Gifted and talented program	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VB485286
c. Instruction provided in student's home language (non-English)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VB485287
d. English-as-a-second-language (not in a bilingual education program)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VB485288
e. Special education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	<input type="radio"/> G	<input type="radio"/> H	VB485289



17. 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

18. Approximately what percentage of students in your school have parents or guardians who do each of the following activities? Fill in **one** oval on each line.

	Not applicable	0–10%	11–25%	26–50%	Over 50%	
a. Volunteer regularly to help in the classroom or another part of the school	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE588679
b. Attend teacher–parent conferences	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	<input type="radio"/> Ⓒ	<input type="radio"/> Ⓓ	<input type="radio"/> Ⓔ	VE588681

For all teacher counts entered in item 19:

*INCLUDE* these types of teachers:

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

*INCLUDE* these types of teachers:

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

*DO NOT INCLUDE:*

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

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

**a. Full-time**

Full-time teachers

**b. Part-time**

Part-time teachers

20. Does your school offer tenure to teachers?

- Ⓐ Yes
- Ⓑ No



VE588721

21. Of the following categories of teachers who were full-time teachers at your school at the end of the last school year, what percentage stayed on as full-time teachers for this school year? Fill in **one** oval on each line.

- |   | 0–10%                   | 11–25%                  | 26–50%                  | 51–75%                  | 76–90%                  | Over 90%                |          |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------|
| a. Nontenured teachers who had taught for at least one year | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | <input type="radio"/> F | VE588765 |
| b. Tenured teachers   | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E | <input type="radio"/> F | VE588766 |

VE600319

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

If you answered 1 or any number greater than 1, *go to Question 23.*

If you answered 0, *skip to Part II.*

VE592330

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

- A 0–10%
- B 11–25%
- C 26–50%
- D 51–75%
- E 76–90%
- F Over 90%

## School Questionnaire – Technology and Engineering Literacy

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

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

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

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

## School Questionnaire – Technology and Engineering Literacy

VE638378

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

	None: Not included in the curriculum	Under 10%	10–25%	26–50%	51–75%	Over 75%	
a. How objects are designed to solve problems or meet people’s needs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638386
b. The interactions among technology, society, and the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638388
c. The role of technology systems (for example, energy usage, healthcare, communications)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638389
d. How computers, the Internet, and other digital technologies affect society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638390
e. Careers in technical fields (for example, engineer, medical technician, computer programmer)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638392
f. Concepts related to specific technologies (for example, electronics, biotechnology, agriculture)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638395



## School Questionnaire – Technology and Engineering Literacy

VE638432

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

	Required	Elective	After school	Not offered	
a. Technology and Society (the effects that technology has on society or the natural world; or, the ethical questions that arise from those effects)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638435
b. Design and Systems (the nature of technology, the engineering design process by which technologies are developed, or basic approaches to dealing with everyday technologies, including maintenance or troubleshooting)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638438
c. Information and Communication Technology (for example, computers; software learning tools; networking systems and protocols; handheld digital devices; other technologies for accessing, creating, or communicating information for facilitating creative expression)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638442

VE638446

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

Ⓐ Yes → *Continue to Question 4.*

Ⓑ No → *Skip to Question 5.*

## School Questionnaire – Technology and Engineering Literacy

VE638450

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

	Not at all	Small extent	Moderate extent	Large extent	
a. State curriculum standards or frameworks	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638453
b. District curriculum standards or curriculum guides	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638456
c. Results from state/district assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638457
d. Results from school assessments	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638462
e. In-school curriculum frameworks or standards for learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638459
f. Recommendations from your teachers or content specialists	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638464
g. Commercially designed programs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638470
h. Textbooks (including digital forms, such as online textbooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VF821977
i. Other (specify): _____ _____	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638467

VE638334

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

Ⓐ Yes → *Continue to Question 6.*

Ⓑ No → *Skip to Question 8.*

## School Questionnaire – Technology and Engineering Literacy

VE681573

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

a. Course 1: \_\_\_\_\_

b. Course 2: \_\_\_\_\_

c. Course 3: \_\_\_\_\_

d. Course 4: \_\_\_\_\_

e. Course 5: \_\_\_\_\_

VE638483

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

	Never	Once or twice a year	Once or twice a quarter	Once or twice a month	Once a week or more	I don't know.	
a. Standardized or performance tests	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638486
b. Teacher-developed tests and quizzes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638487
c. Student assignments, projects, or homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	VE638490

## School Questionnaire – Technology and Engineering Literacy

VE638475

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

	Number	
a. At your school, what is the total number of students in the eighth grade?	□, □ □ □	VE638480
b. Approximately how many computers in the school are available to eighth-grade students for educational purposes?	□, □ □ □	VE638484
c. Approximately how many of these computers are connected to the Internet?	□, □ □ □	VE638485
d. Approximately how many of all computers are eighth-grade students allowed to take home with them (for example, laptops or tablets)?	□, □ □ □	VE675583

If you answered question 8d with a number greater than 0, *continue to Question 9.*

If you answered question 8d with 0, *skip to Question 10.*

VE675587

9. Does your school provide computers that students are allowed to take home with them?
- Ⓐ Yes, and students are allowed to keep their computer after the school year ends.
  - Ⓑ Yes, but students must return their computer (for example, at the end of the week or end of the school year).
  - Ⓒ No

## School Questionnaire – Technology and Engineering Literacy

VE638517

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

	<b>School does not provide this resource to students.</b>	<b>0–5%</b>	<b>6–20%</b>	<b>21–50%</b>	<b>Over 50%</b>	
a. Clubs, competitions, exhibits, etc., related to some aspect of technology and engineering	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638518
b. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638519
c. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638520
d. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638521
e. Online courses in any subject	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638522

## School Questionnaire – Technology and Engineering Literacy

VE638436

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

	<b>Yes</b>	<b>No</b>	
a. Financial support for professional development related to technology and engineering	Ⓐ	Ⓑ	VE638440
b. Financial support for association memberships related to technology and engineering	Ⓐ	Ⓑ	VE638441
c. Financial support for university or online courses related to technology and engineering	Ⓐ	Ⓑ	VE638443
d. Technology resources such as robotics or digital photography	Ⓐ	Ⓑ	VE638445
e. Workshop for industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	Ⓐ	Ⓑ	VE638449
f. Workshop or laboratory for drafting or design tools (for example, computer-aided design [CAD], systems analysis)	Ⓐ	Ⓑ	VE638452
g. Supplies or equipment for technology demonstrations	Ⓐ	Ⓑ	VE638454
h. Textbooks or digital tutorials related to technology or engineering	Ⓐ	Ⓑ	VE675624

## School Questionnaire – Technology and Engineering Literacy

VE675659

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

	Not available	Available for some teachers	Available for all teachers	
a. Recording video	Ⓐ	Ⓑ	Ⓒ	VE677568
b. Taking digital images	Ⓐ	Ⓑ	Ⓒ	VE677569
c. Converting non-digital images or content (for example, scanner)	Ⓐ	Ⓑ	Ⓒ	VE677570
d. Projecting digital images	Ⓐ	Ⓑ	Ⓒ	VE677571
e. Projecting interactive data (for example, interactive whiteboard that responds to user control via stylus, finger, or other device)	Ⓐ	Ⓑ	Ⓒ	VE677572
f. Collecting data (for example, tools such as sensors or probes that detect or collect information such as motion, pH, temperature, light)	Ⓐ	Ⓑ	Ⓒ	VE677573
g. Mobile computing (for example, handheld or portable computer devices)	Ⓐ	Ⓑ	Ⓒ	VE677574

## School Questionnaire – Technology and Engineering Literacy

VE638523

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

	Not at all	Small extent	Moderate extent	Large extent	
a. Lack of qualified teachers trained in technological or engineering content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638524
b. Lack of technical support personnel	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638525
c. Lack or inadequacy of instructional materials (for example, textbooks, computers, software)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638526
d. Lack or inadequacy of Internet connectivity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638528
e. Lack or inadequacy of laboratory or workshop equipment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638529
f. Lack or inadequacy of audio-visual resources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638533
g. Lack of curriculum development expertise or standards specificity	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638534
h. Lack of time because of demands for other curriculum content	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VE638535



## School Questionnaire – Technology and Engineering Literacy

VE638496

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

	Not applicable	0%	1–25%	26–50%	51–75%	Over 75%	I don't know.	
a. Content, curriculum, or pedagogy related to engineering design	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE638497
b. Content, curriculum, or pedagogy related to technology or technological literacy	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE638498
c. Integrating information and communications technology into instruction	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	VE638504

VE638333

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

	None	A little	Some	A lot	I don't know.	
a. Inventions that change the way people live	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638336
b. Choices people make that affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638338
c. Conditions that influence the use or availability of machines or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638340
d. The ways people work together to solve problems in their community or the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677585

## School Questionnaire – Technology and Engineering Literacy

VE638350

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

	Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a. Describe how inventions change society	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638354
b. Compare how different activities affect the environment	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638355
c. Explain why people have different tools, machines, or devices in different parts of the world	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638356

VE638372

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

	None	A little	Some	A lot	I don't know.	
a. The use and purpose of tools, machines, or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638375
b. The care or maintenance of tools, machines, or devices	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638376
c. Designing or creating something to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638377
d. Designing something when there is limited time, money, or materials	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE639184
e. Figuring out how to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677599
f. Finding the right people to work with or get help from to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677600

## School Questionnaire – Technology and Engineering Literacy

VE638380

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

	Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a. Use tools and materials to fix something	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677603
b. Use different tools, materials, or machines to see which are best for a given purpose	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638383
c. Build or test a model to see if it solves a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638384
d. Figure out why something is not working in order to fix it	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677604
e. Take something apart in order to fix it or see how it works	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638385
f. Design a computer program	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677605
g. Examine how parts, processes, or people work together in a system	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677606

## School Questionnaire – Technology and Engineering Literacy

VE638391

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

	None	A little	Some	A lot	I don't know.	
a. How to judge reliability of sources	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638396
b. How to credit others for their ideas	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638399
c. How to collaborate or share information with others	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677607
d. How to consult with experts to get help	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677609
e. How to find information or data to solve a problem	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE239167
f. Run simulations (a learning activity that imitates real life)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE677608

VE638410

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

	Not at all	Small extent	Moderate extent	Large extent	I don't know.	
a. Use digital tools to gather and display information in order to test a hypothesis	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638433
b. Select and use appropriate digital technologies to create a presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638434
c. Use a computer or other digital technology to simulate a system and explain different outcomes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638428
d. Give feedback to others when working together	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VE638420

## Part IV: Supplemental Charter School Questions

This section should be completed by the principal or the head of the school. If your school is a charter school, please continue. If your school is not a charter school, you have finished the survey. Thank you for your time.

VC311248

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 → *Go to Question 2.*
- Ⓑ No → ***You have finished the survey. Thank you for your time.***

VC104697

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

VE588849

3. Who granted your school's current charter?

- Ⓐ School district
- Ⓑ State board of education (includes state board of regents and District of Columbia State Board of Education)
- Ⓒ Postsecondary institution
- Ⓓ State charter-granting agency
- Ⓔ City or state public charter school board
- Ⓕ Other (specify): \_\_\_\_\_



VC104799

4. What is the legal status of your school?

- Ⓐ Officially part of the school district or local education agency (LEA)
- Ⓑ Independent from the school district or local education agency (LEA)
- Ⓒ A separate local education agency (LEA) as stipulated by state law

VE600331

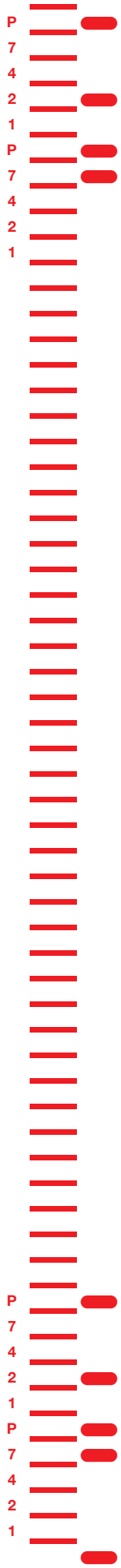
5. Is this school operated by a company or organization that also operates other charter schools?

- Ⓐ Yes
- Ⓑ No

VC104758

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

- Ⓐ We have a comprehensive curriculum with no specialized area of focus.
- Ⓑ We have a special curricular focus, for example, the arts, math/science, foreign language immersion.
- Ⓒ Our curriculum is based on a particular educational theory, for example, Montessori, open school, Core Knowledge.
- Ⓓ Our curriculum is based on a particular moral philosophy or set of values, for example, African-centered education, character-based education, Eastern philosophy.



VE588897

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

- Ⓐ Yes, and parents are required to abide by it. → *Go to Question 8.*
- Ⓑ Yes, but signing it is voluntary. → *Go to Question 8.*
- Ⓒ No → ***You have finished the survey. Thank you for your time.***

VE588978

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

	Yes	No	
a. Dress code	Ⓐ	Ⓑ	VE588983
b. Home learning environment	Ⓐ	Ⓑ	VE588989
c. Homework	Ⓐ	Ⓑ	VE588981
d. Parent–teacher communication	Ⓐ	Ⓑ	VE588987
e. Parent volunteering	Ⓐ	Ⓑ	VE588991
f. School discipline policy	Ⓐ	Ⓑ	VE588985
g. Student attendance	Ⓐ	Ⓑ	VE588980
h. Student promotion policy	Ⓐ	Ⓑ	VE588988
i. Other (specify): _____	Ⓐ	Ⓑ	VE592478