

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.

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

<input type="checkbox"/>	No, I am not Hispanic or Latino.
<input type="checkbox"/>	Yes, I am Mexican, Mexican American, or Chicano.
<input type="checkbox"/>	Yes, I am Puerto Rican or Puerto Rican American.
<input type="checkbox"/>	Yes, I am Cuban or Cuban American.
<input type="checkbox"/>	Yes, I am from some other Hispanic or Latino background.

Clear Answer

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

<input type="checkbox"/>	White
<input type="checkbox"/>	Black or African American
<input type="checkbox"/>	Asian
<input type="checkbox"/>	American Indian or Alaska Native
<input type="checkbox"/>	Native Hawaiian or other Pacific Islander

Clear Answer

About how many books are there in your home?

- | | |
|-----------------------|--|
| <input type="radio"/> | Few (0 – 10) |
| <input type="radio"/> | Enough to fill one shelf (11 – 25) |
| <input type="radio"/> | Enough to fill one bookcase (26 – 100) |
| <input type="radio"/> | Enough to fill several bookcases (more than 100) |

Clear Answer

Is there a computer at home that you use?

Yes

No

Clear Answer

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

<input type="checkbox"/>	Access to the Internet
<input type="checkbox"/>	Clothes dryer just for your family
<input type="checkbox"/>	Dishwasher
<input type="checkbox"/>	More than one bathroom
<input type="checkbox"/>	Your own bedroom

Clear Answer

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

- | | |
|-----------------------|--------------|
| <input type="radio"/> | 5 or fewer |
| <input type="radio"/> | 6 – 10 |
| <input type="radio"/> | 11 – 15 |
| <input type="radio"/> | 16 – 20 |
| <input type="radio"/> | More than 20 |

Clear Answer

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

Clear Answer

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

- | | |
|-----------------------|-------------------|
| <input type="radio"/> | None |
| <input type="radio"/> | 1 or 2 days |
| <input type="radio"/> | 3 or 4 days |
| <input type="radio"/> | 5 to 10 days |
| <input type="radio"/> | More than 10 days |

Clear Answer

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.

Clear Answer

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.

Clear Answer

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

- | | |
|-----------------------|-------------------------|
| <input type="radio"/> | Never |
| <input type="radio"/> | Once in a while |
| <input type="radio"/> | About half of the time |
| <input type="radio"/> | All or most of the time |

Clear Answer

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

<input type="checkbox"/>	Mother
<input type="checkbox"/>	Stepmother
<input type="checkbox"/>	Foster mother or other female legal guardian
<input type="checkbox"/>	Father
<input type="checkbox"/>	Stepfather
<input type="checkbox"/>	Foster father or other male legal guardian

Clear Answer

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

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.

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

<input type="checkbox"/>	Industrial <u>technology</u> (for example, auto mechanics, carpentry)
<input type="checkbox"/>	<u>Engineering</u> (for example, robotics, bridge building, rocketry)
<input type="checkbox"/>	Any class that involves learning to use, program, or build computers
<input type="checkbox"/>	Any other technology-related class (for example, electronics, sewing, farming)
<input type="checkbox"/>	I have not taken any of the classes listed above.

Clear Answer

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

<input type="checkbox"/>	Mathematics
<input type="checkbox"/>	Science
<input type="checkbox"/>	Social studies or history
<input type="checkbox"/>	I have not studied technology or engineering in any of the classes or subjects listed above.

Clear Answer

In school or outside of school, how often do you do the following? Select **one** circle in each row.

	Never or almost never	A few times a year	Once or twice a month	Several times a month	At least once a week
Participate in clubs, camps, or competitions about <u>technology</u> or <u>engineering</u> (for example, digital art and editing, design, programming, robotics, science)	<input type="radio"/>				
Go to museums or events to learn about technology or engineering	<input type="radio"/>				
Edit digital photographs or other graphic images	<input type="radio"/>				
Create, build, or design things (for example, robots, clothes, science projects, recipes)	<input type="radio"/>				
Work in a shop or garage with industrial technologies (for example, auto mechanics, machining, metalworking, construction, carpentry)	<input type="radio"/>				
Work with drafting or design tools (for example, computer aided design [CAD], systems analysis)	<input type="radio"/>				
Take online classes to learn more about technology or engineering	<input type="radio"/>				
Watch video or listen to audio to learn more about technology or engineering (video or audio includes online videos, movies, television shows, podcasts, radio programs)	<input type="radio"/>				

Clear Answer

How interested are you in learning about the following areas of technologies? Select **one** circle in each row.

	Not at all interested	Not too interested	Somewhat interested	Very interested
Information and communication (for example, computers, Internet, social networking sites)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation (for example, cars, planes, trains, traffic analysis)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Construction (for example, architecture, building a bridge)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power and energy (for example, dams, power plants, batteries)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental and green technologies (for example, recycling, renewable energy sources such as sunlight and wind)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture (for example, farming, food chemistry)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical technologies (for example, vaccines, drugs, surgical tools, heart monitors, X-ray machines)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Home and domestic (for example, air conditioning, cleaning, cooking, heating, plumbing, sewing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manufacturing (for example, what goes on in factories, developing or improving products)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

Technology refers to all the things people make and do to their natural environment in order to get the things they want and need. How much do you disagree or agree with the following statements about technology? Select **one** circle in each row.

	Strongly disagree	Disagree	Neither disagree nor agree	Agree	Strongly agree
Technology is important to society.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technology is important to my daily life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about technology will help me in the future.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about technology will help me do (or get) the job I want.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy learning about technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy using technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

Engineering refers to using skills or knowledge to solve problems that meet people’s wants and needs. How much do you disagree or agree with the following statements about engineering? Select **one** circle in each row.

	Strongly disagree	Disagree	Neither disagree nor agree	Agree	Strongly agree
Engineering is important to society.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering is important to my daily life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about engineering will help me in the future.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about engineering will help me do (or get) the job I want.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy learning about engineering.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy solving problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy fixing things.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy creating, building, or designing things.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy figuring out how things work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do things that I would describe as engineering.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

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

Clear Answer

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
Send or receive messages (for example, chat, e-mail, instant messages, text messages)	<input type="radio"/>				
View or download digital media (for example, art, books, games, mobile apps, music, pictures, software, videos)	<input type="radio"/>				
Create, edit, or organize digital media	<input type="radio"/>				
Send, share, present, or upload digital media	<input type="radio"/>				
Create a presentation	<input type="radio"/>				
Create a spreadsheet (a table or grid that displays data into columns and rows and may be used to create charts and graphs)	<input type="radio"/>				

Clear Answer

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
Participate in online discussion forums, social networking sites, or virtual communities	<input type="radio"/>				
Work with others to solve a problem	<input type="radio"/>				
Get information from experts (people with strong skills or knowledge in a subject)	<input type="radio"/>				
Maintain a website or blog	<input type="radio"/>				
Search for information (for example, browse the Internet or check out websites)	<input type="radio"/>				
Play games or run <u>simulations</u>	<input type="radio"/>				

Clear Answer

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
Send or receive messages (for example, chat, e-mail, instant messages, text messages)	<input type="radio"/>				
View or download digital media (for example, art, books, games, mobile apps, music, pictures, software, videos)	<input type="radio"/>				
Create, edit, or organize digital media	<input type="radio"/>				
Send, share, present, or upload digital media	<input type="radio"/>				
Create a presentation	<input type="radio"/>				
Create a spreadsheet (a table or grid that displays data into columns and rows and may be used to create charts and graphs)	<input type="radio"/>				

Clear Answer

Who taught you most of what you know about using computers or other digital technology for collecting or sharing information?

- | | |
|-----------------------|------------------|
| <input type="radio"/> | I taught myself. |
| <input type="radio"/> | Family members |
| <input type="radio"/> | Friends |
| <input type="radio"/> | Teachers |
| <input type="radio"/> | Someone else |

Clear Answer

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
Publish or maintain a personal website or blog	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create presentations with sound, pictures, or video	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organize information into a chart, graph, or spreadsheet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compare products using the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

	Never	Rarely	Sometimes	Often
The use and purpose of tools, machines, or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The care or maintenance of tools, machines, or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designing or creating something to solve a problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designing something when there is limited time, money, or materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Figuring out how to fix something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Finding the right people to work with or get help from to fix something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

	Never	Rarely	Sometimes	Often
The use and purpose of tools, machines, or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The care or maintenance of tools, machines, or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designing or creating something to solve a problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designing something when there is limited time, money, or materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Figuring out how to fix something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Finding the right people to work with or get help from to fix something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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
Used tools or materials to fix or build something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used different tools, materials, or machines to see which are best for a given purpose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Built or tested a model to see if it solves a problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Figured out why something is not working in order to fix it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken something apart in order to fix it or see how it works	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designed a computer program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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
Used tools or materials to fix or build something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used tools or materials to plan or design something (for example, cake recipe, party)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used different tools, materials, or machines to see which are best for a given purpose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Built or tested a model to see if it solves a problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Figured out why something is not working in order to fix it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken something apart in order to fix it or see how it works	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Designed a computer program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

Clear Answer

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
Build a model using a kit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Build a model without using a kit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use tools or materials to fix something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Take something apart in order to fix it or see how it works	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Design a computer program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

	Never	Rarely	Sometimes	Often
Inventions that change the way people live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Choices people make that affect the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conditions that influence the use or availability of machines or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ways people work together to solve problems in their community or the world	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

	Never	Rarely	Sometimes	Often
Inventions that change the way people live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Choices people make that affect the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conditions that influence the use or availability of machines or devices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ways people work together to solve problems in their community or the world	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

Who taught you most of what you know about how technology, people, and the environment are related to each other?

- | | |
|-----------------------|------------------|
| <input type="radio"/> | I taught myself. |
| <input type="radio"/> | Family members |
| <input type="radio"/> | Friends |
| <input type="radio"/> | Teachers |
| <input type="radio"/> | Someone else |

Clear Answer

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
Describe how inventions change society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compare how different activities affect the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explain why people have different tools, machines, or devices in different parts of the world	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clear Answer

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
I had taken an interactive computer test in school.	<input type="radio"/>	<input type="radio"/>
I had taken an interactive computer test outside of school.	<input type="radio"/>	<input type="radio"/>

Clear Answer

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

Clear Answer

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

Clear Answer

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

- Not very important
- Somewhat important
- Important
- Very important

Clear Answer