GRADES 4, 8, & 12

COMPUTER ACCESS AND FAMILIARITY STUDY

Student Survey Questionnaires

2015
I. About This Student Survey Questionnaires Booklet

On behalf of the National Assessment of Educational Progress (NAEP), I want to thank you for your participation in this essential measure of student achievement in the United States. NAEP tells us what students in our country know and can do. In the coming year, fourth-, eighth-, and twelfth-graders will participate in NAEP assessments in mathematics, reading, and science. Assessments require about 90 minutes of a student’s time, and each student answers questions in only one subject. The test booklet contains 50 minutes of test questions and brief contextual questionnaires.

NAEP results are reported for the nation, states, and selected large urban districts, but not for individual schools or students. Answers to all student questions are confidential, and student names are removed from all assessment materials before leaving the school. Results of the 2015 mathematics, reading, and science assessments will be reported as The Nation’s Report Card. Assessment results are widely discussed in the press and are used by elected officials, policymakers, educators, and researchers to make decisions about education policy and funding.

The national assessment results are more useful when parents, educators, and policymakers are able to study the proficiencies (or scores) and gain information about student experience, the school environment, and learning opportunities available to students. This booklet contains all of the student survey questions for the 2015 Computer Access and Familiarity Study. The questions provide educators and policymakers with valuable insight into the conditions and factors that influence student learning so that decisions can be made that may maximize achievement for all students.

If you have any questions or comments regarding NAEP or would like to view previous report cards, please visit the NAEP website at http://nces.ed.gov/nationsreportcard. Also available through the website is the NAEP Questions Tool (http://nces.ed.gov/nationsreportcard/nqt), which allows you to review additional sample questions with sample answers.

Peggy G. Carr, Ph.D.
Acting Commissioner
National Center for Education Statistics
Institute of Education Sciences

NAEP is administered by the National Center for Education Statistics, within the U.S. Department of Education’s Institute of Education Sciences. Policy for the assessment, including its content and standards, is set by the independent, bipartisan National Assessment Governing Board (http://www.nagb.org).
II. Computer Access and Familiarity Study

NAEP is transitioning from paper-based assessments to technology-based assessments. As part of this transition, NAEP is interested in gathering information about students’ access to and familiarity with technology, at home and at school. The Computer Access and Familiarity Study will be conducted with a subset of students participating in the 2015 NAEP assessments in reading, mathematics, and science at grades 4, 8, and 12. After completing their NAEP assessment, students selected for the study will spend approximately 10–15 minutes answering survey questions about their access to and familiarity with technology. Students participating in the paper-and-pencil assessments in 2015 will take the Computer Access and Familiarity Study questions on paper, while students taking the technology-based assessments will respond to the study questions on the tablet. The results of the study will be used to examine the relationship between students’ access to and experience with technology and their performance on NAEP reading, mathematics, and science assessments at grades 4, 8, and 12.

Samples of the questionnaires completed by the fourth-, eighth-, and twelfth-graders assessed are presented in this booklet.
III. Student Survey Questionnaires—Directions

In this section, you will answer questions about different kinds of computers, tablets, and smartphones. Here are four pictures that show examples of each of these types of devices. Please refer back to these pictures as necessary in order to understand and answer the questions that follow.

This is an example of a desktop computer.

This is an example of a laptop computer.

This is an example of a smartphone. A smartphone is any phone that is able to connect to the Internet. Besides making phone calls and taking pictures, smartphones allow you to do many of the same things as a desktop or laptop computer.

This is an example of a tablet. A tablet is bigger than a smartphone. It allows you to do many of the same things as a smartphone, but it doesn’t make phone calls. If you use a tablet at school, you might also do some things that you probably wouldn’t do with a smartphone. For example, you might read books or practice math problems.
IV. Student Survey Questionnaires

Grade 4

1. How much do you know about using computers and other digital devices?
   - I hardly know anything at all.
   - I know something.
   - I know quite a bit.
   - I know a lot.

2. At home, do you have a laptop or desktop computer that is only for your use?
   - Yes
   - No

3. At home, is there a laptop or desktop computer that is shared between you and others?
   - Yes
   - No

4. At home, do you have a tablet that is only for your use?
   - Yes
   - No

5. At home, is there a tablet that is shared between you and others?
   - Yes
   - No

6. At home, do you have Wi-Fi or some other Internet connection you can use?
   - Yes
   - No

7. At home, do you have a smartphone that is only for your use?
   - Yes
   - No

8. 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 grade
9. When did you first use a **tablet**?
   - ☐ I have never used one.
   - ☐ Before I was in kindergarten
   - ☐ When I was in kindergarten
   - ☐ When I was in first, second, or third grade
   - ☐ When I was in fourth grade

10. When did you first use a **smartphone**?
    - ☐ I have never used one.
    - ☐ Before I was in kindergarten
    - ☐ When I was in kindergarten
    - ☐ When I was in first, second, or third grade
    - ☐ When I was in fourth grade

11. **On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?
    - ☐ None
    - ☐ Less than an hour
    - ☐ 1 to 2 hours
    - ☐ 2 to 3 hours
    - ☐ 3 to 4 hours
    - ☐ More than 4 hours

12. **On a weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?
    - ☐ None
    - ☐ Less than an hour
    - ☐ 1 to 2 hours
    - ☐ 2 to 3 hours
    - ☐ 3 to 4 hours
    - ☐ More than 4 hours

13. **At school**, were you taught how to type on a computer keyboard using the correct fingers?
    - ☐ Yes
    - ☐ No

14. **At school**, were you taught how to write sentences and paragraphs using a computer?
    - ☐ Yes
    - ☐ No

15. **At school**, were you taught how to edit text using a computer?
    - ☐ Yes
    - ☐ No
16. **At school**, were you taught how to search for information on the Internet?
   - Yes
   - No

17. **At school**, were you taught how to use a tablet?
   - Yes
   - No

18. **At school**, were you taught how to draw a picture using a computer?
   - Yes
   - No

19. **At school**, were you taught how to look up the meaning of a word using a computer?
   - Yes
   - No

20. **At school**, are there **laptop or desktop computers** that you can use for schoolwork?
    - Yes
    - No

21. **At school**, are there **tablets** that you can use for schoolwork?
    - Yes
    - No

22. **At school**, is there Wi-Fi or some other **Internet connection** you can use for schoolwork?
    - Yes
    - No

23. Does your teacher use a computer when teaching your class?
    - Yes
    - No

24. Does your teacher require you to use computers in the classroom?
    - Yes
    - No

25. Has your school assigned you a **laptop or desktop computer** that only you can use?
    - No
    - Yes, but I cannot take it home with me.
    - Yes, and I can take it home with me (laptop only).
26. Has your school assigned you a tablet that only you can use?
   ☐ No
   ☐ Yes, but I cannot take it home with me.
   ☐ Yes, and I can take it home with me.

27. This school year, how often have you used a laptop or desktop computer to write a short paper (less than a page) for school?
   ☐ Never
   ☐ A few times
   ☐ Once every few weeks
   ☐ About once a week
   ☐ More than once a week

28. This school year, how often have you used a laptop or desktop computer to write a paper for school that was longer than a page?
   ☐ Never
   ☐ A few times
   ☐ Once every few weeks
   ☐ About once a week
   ☐ More than once a week

29. This school year, how often have you used a laptop or desktop computer to search the Internet for a school project?
   ☐ Never
   ☐ A few times
   ☐ Once every few weeks
   ☐ About once a week
   ☐ More than once a week

30. This school year, how often have you used a laptop or desktop computer to practice things in mathematics that you were having trouble learning?
   ☐ Never
   ☐ A few times
   ☐ Once every few weeks
   ☐ About once a week
   ☐ More than once a week

31. This school year, how often have you used a laptop or desktop computer to practice things in reading that you were having trouble learning?
   ☐ Never
   ☐ A few times
   ☐ Once every few weeks
   ☐ About once a week
   ☐ More than once a week
32. **This school year**, how often have you used a **laptop or desktop computer** to take a test?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

33. **This school year**, how often have you used a **tablet** to write a short paper (less than a page) for school?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

34. **This school year**, how often have you used a **tablet** to write a paper for school that was longer than a page?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

35. **This school year**, how often have you used a **tablet** to search the Internet for a school project?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

36. **This school year**, how often have you used a **tablet** to practice things in **mathematics** that you were having trouble learning?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

37. **This school year**, how often have you used a **tablet** to practice things in **reading** that you were having trouble learning?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week
38. **This school year**, how often have you used a **tablet** to take a test?

- ☐ Never
- ☐ A few times
- ☐ Once every few weeks
- ☐ About once a week
- ☐ More than once a week

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

- ☐ I don’t know how to type using a computer keyboard.
- ☐ I can type with one or two fingers, but I have to search for where the letter keys are.
- ☐ I can type with one or two fingers, and I know where most of the letter keys are.
- ☐ I can type with all ten fingers when I look at the keyboard.
- ☐ I can type with all ten fingers without looking at the keyboard.

40. Compared to other students in your class, how fast do you type on a computer keyboard?

- ☐ I am slower than most students.
- ☐ I type about the same speed as others.
- ☐ I am faster than most students.
- ☐ I don’t know.

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

- ☐ Paper and pencil
- ☐ Computer

42. Do you think you would be able to write sentences and paragraphs using a computer?

- ☐ I definitely can’t.
- ☐ I probably can’t.
- ☐ I probably can.
- ☐ I definitely can.

43. Do you think you would be able to edit text using a computer?

- ☐ I definitely can’t.
- ☐ I probably can’t.
- ☐ I probably can.
- ☐ I definitely can.

44. Do you think you would be able to use a touchscreen on a computer, tablet, or smartphone?

- ☐ I definitely can’t.
- ☐ I probably can’t.
- ☐ I probably can.
- ☐ I definitely can.
45. Do you think you would be able to look up the meaning of a word using a computer?

☐ I definitely can’t.
☐ I probably can’t.
☐ I probably can.
☐ I definitely can.

46. Do you think you would be able to draw a picture using a computer?

☐ I definitely can’t.
☐ I probably can’t.
☐ I probably can.
☐ I definitely can.
IV. Student Survey Questionnaires
Grade 8

1. How much do you know about using computers and other digital devices?
   ☐ I hardly know anything at all.
   ☐ I know something.
   ☐ I know quite a bit.
   ☐ I know a lot.

2. At home, do you have any of the following? Fill in one oval on each line.
   a. A laptop or desktop computer that is only for your use  ☐  ☐
   b. A laptop or desktop computer that is shared between you and others  ☐  ☐
   c. A tablet that is only for your use  ☐  ☐
   d. A tablet that is shared between you and others  ☐  ☐
   e. Wi-Fi or some other Internet connection you can use  ☐  ☐
   f. A smartphone that is only for your use  ☐  ☐
3. When did you first use a laptop or desktop computer?

☐ I have never used one.

☐ Before I was in kindergarten

☐ When I was in kindergarten

☐ When I was in first, second, or third grade

☐ When I was in fourth or fifth grade

☐ When I was in sixth, seventh, or eighth grade

4. When did you first use a tablet?

☐ I have never used one.

☐ Before I was in kindergarten

☐ When I was in kindergarten

☐ When I was in first, second, or third grade

☐ When I was in fourth or fifth grade

☐ When I was in sixth, seventh, or eighth grade

5. When did you first use a smartphone?

☐ I have never used one.

☐ Before I was in kindergarten

☐ When I was in kindergarten

☐ When I was in first, second, or third grade

☐ When I was in fourth or fifth grade

☐ When I was in sixth, seventh, or eighth grade
6. **On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- None
- Less than an hour
- 1 to 2 hours
- 2 to 3 hours
- 3 to 4 hours
- More than 4 hours

7. **On a weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- None
- Less than an hour
- 1 to 2 hours
- 2 to 3 hours
- 3 to 4 hours
- More than 4 hours
8. Were you taught any of the following at school? Fill in one oval on each line.

a. How to type on a computer keyboard using the correct fingers  

b. How to write sentences and paragraphs using a computer  

c. How to edit text using a computer  

d. How to search for information on the Internet  

e. How to use a tablet  

f. How to draw a picture using a computer  

g. How to look up the meaning of a word using a computer  

h. How to create a spreadsheet using a computer  

i. How to create a presentation using a computer  

j. How to run simulations using a computer  

k. How to write a computer program or app  

l. How to create a graph or chart using a computer  

m. How to maintain a website or blog  

n. How to install new software or apps  

o. How to troubleshoot problems with a computer
9. Which of the following are true about the ways in which you and your teachers use computers at school? Fill in one oval on each line.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. In most of my classes there are <strong>laptop or desktop computers</strong> that I can use for schoolwork.</td>
<td></td>
</tr>
<tr>
<td>b. In most of my classes there are <strong>tablets</strong> that I can use for schoolwork.</td>
<td></td>
</tr>
<tr>
<td>c. There is <strong>Wi-Fi</strong> or some other <strong>Internet connection</strong> that I can use for schoolwork.</td>
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<tr>
<td>d. Most of my teachers use computers when teaching my classes.</td>
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<tr>
<td>e. Most of my teachers require us to use computers in the classroom.</td>
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</tbody>
</table>

10. Has your school assigned you a **laptop or desktop computer** that only you can use?

- ☐ No
- ☐ Yes, but I cannot take it home with me.
- ☐ Yes, and I can take it home with me (laptop only).

11. Has your school assigned you a **tablet** that only you can use?

- ☐ No
- ☐ Yes, but I cannot take it home with me.
- ☐ Yes, and I can take it home with me.
12. **This school year**, how often have you used a *laptop or desktop computer* to do each of the following? Fill in **one** oval on each line.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Never</th>
<th>A few times</th>
<th>Once every few weeks</th>
<th>About once a week</th>
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</tr>
</thead>
<tbody>
<tr>
<td>a. Write a short paper (less than a page) for school</td>
<td></td>
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<tr>
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<tr>
<td>c. Search the Internet for a school project</td>
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<tr>
<td>d. Practice things in <strong>mathematics</strong> that you were having trouble learning</td>
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<tr>
<td>e. Practice things in <strong>reading</strong> that you were having trouble learning</td>
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<tr>
<td>f. Take a test</td>
<td></td>
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<tr>
<td>g. Create a map</td>
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</tr>
<tr>
<td>h. Work on a website or blog that you maintain</td>
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<tr>
<td>i. Create a multimedia presentation on your own</td>
<td></td>
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<tr>
<td>j. Work collaboratively with a <strong>team of students</strong> to create a multimedia presentation</td>
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13. **This school year**, how often have you used a **tablet** to do each of the following? Fill in one oval on each line.

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<td></td>
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<td></td>
</tr>
</tbody>
</table>
14. Which best describes the way you type on a computer keyboard?

- I don’t know how to type using a computer keyboard.
- I can type with one or two fingers, but I have to search for where the letter keys are.
- I can type with one or two fingers, and I know where most of the letter keys are.
- I can type with all ten fingers when I look at the keyboard.
- I can type with all ten fingers without looking at the keyboard.

15. Compared to other students in your English/language arts class, how fast do you type on a computer keyboard?

- I am slower than most students.
- I type about the same speed as others.
- I am faster than most students.
- I don’t know.

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

- Paper and pencil
- Computer
17. Do you think you would be able to do each of the following? Fill in one oval on each line.

<table>
<thead>
<tr>
<th></th>
<th>I definitely can’t.</th>
<th>I probably can’t.</th>
<th>I probably can.</th>
<th>I definitely can.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Write sentences and paragraphs using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>b.</td>
<td>Edit text using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>c.</td>
<td>Use a touchscreen on a computer, tablet, or smartphone</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>d.</td>
<td>Look up the meaning of a word using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>e.</td>
<td>Draw a picture using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>f.</td>
<td>View or download digital media</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>g.</td>
<td>Create a presentation using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>h.</td>
<td>Create a spreadsheet using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>i.</td>
<td>Install new software or apps</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>j.</td>
<td>Participate in online discussions, forums, social networking sites, or virtual communities</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>k.</td>
<td>Maintain a website or blog</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>l.</td>
<td>Search for information on the Internet</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>m.</td>
<td>Run simulations using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>n.</td>
<td>Create a graph or chart using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>o.</td>
<td>Write a computer program or app</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>p.</td>
<td>Troubleshoot a problem with a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>q.</td>
<td>Figure out how to use new functions of a digital device that I am not yet familiar with</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
</tbody>
</table>
18. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
Please read the descriptions of the following four eighth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

19. **Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
20. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
21. **Susan** often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Susan is?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
22. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, how familiar with using computers and other digital devices do you think **Kevin** is?

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
23. How familiar are you with each of the following? Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Term</th>
<th>Never heard of it</th>
<th>Heard of it once or twice</th>
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<tr>
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<td>i. Cut and paste</td>
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<td>j. Pyramidal browser</td>
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<td>t. Callosum board</td>
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</tr>
</tbody>
</table>
IV. Student Survey Questionnaires
Grade 12

1. How much do you know about using computers and other digital devices?

☐ I hardly know anything at all.
☐ I know something.
☐ I know quite a bit.
☐ I know a lot.

2. At home, do you have any of the following? Fill in one oval on each line.

a. A laptop or desktop computer that is only for your use

b. A laptop or desktop computer that is shared between you and others

c. A tablet that is only for your use

d. A tablet that is shared between you and others

e. Wi-Fi or some other Internet connection you can use

f. A smartphone that is only for your use
3. When did you first use a laptop or desktop computer?

- I have never used one.
- Before I was in kindergarten
- When I was in kindergarten
- When I was in first, second, or third grade
- When I was in fourth or fifth grade
- When I was in sixth, seventh, or eighth grade
- When I was in high school

4. When did you first use a tablet?

- I have never used one.
- Before I was in kindergarten
- When I was in kindergarten
- When I was in first, second, or third grade
- When I was in fourth or fifth grade
- When I was in sixth, seventh, or eighth grade
- When I was in high school

5. When did you first use a smartphone?

- I have never used one.
- Before I was in kindergarten
- When I was in kindergarten
- When I was in first, second, or third grade
- When I was in fourth or fifth grade
- When I was in sixth, seventh, or eighth grade
- When I was in high school
6. **On a weekday, about how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- ☐ None
- ☐ Less than an hour
- ☐ 1 to 2 hours
- ☐ 2 to 3 hours
- ☐ 3 to 4 hours
- ☐ More than 4 hours

7. **On a weekday, about how many hours** do you use a **tablet** for doing schoolwork, including homework?

- ☐ None
- ☐ Less than an hour
- ☐ 1 to 2 hours
- ☐ 2 to 3 hours
- ☐ 3 to 4 hours
- ☐ More than 4 hours
8. Were you taught any of the following at school? Fill in one oval on each line.

   a. How to type on a computer keyboard using the correct fingers

   b. How to write sentences and paragraphs using a computer

   c. How to edit text using a computer

   d. How to search for information on the Internet

   e. How to use a tablet

   f. How to draw a picture using a computer

   g. How to look up the meaning of a word using a computer

   h. How to create a spreadsheet using a computer

   i. How to create a presentation using a computer

   j. How to run simulations using a computer

   k. How to write a computer program or app

   l. How to create a graph or chart using a computer

   m. How to maintain a website or blog

   n. How to install new software or apps

   o. How to troubleshoot problems with a computer
9. Which of the following are true about the ways in which you and your teachers use computers at school? Fill in one oval on each line.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. In most of my classes there are <strong>laptop or desktop computers</strong> that I can use for schoolwork.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. In most of my classes there are <strong>tablets</strong> that I can use for schoolwork.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. There is <strong>Wi-Fi</strong> or some other <strong>Internet connection</strong> that I can use for schoolwork.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Most of my teachers use computers when teaching my classes.</td>
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<td></td>
</tr>
<tr>
<td>e. Most of my teachers require us to use computers in the classroom.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. Has your school assigned you a **laptop or desktop computer** that only you can use?

- ☐ No
- ☒ Yes, but I cannot take it home with me.
- ☒ Yes, and I can take it home with me (laptop only).

11. Has your school assigned you a **tablet** that only you can use?

- ☐ No
- ☒ Yes, but I cannot take it home with me.
- ☒ Yes, and I can take it home with me.
12. **This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Fill in **one** oval on each line.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Never</th>
<th>A few times</th>
<th>Once every few weeks</th>
<th>About once a week</th>
<th>More than once a week</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Write a short paper (less than a page) for school</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. Write a paper for school that was longer than a page</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. Search the Internet for a school project</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>d. Practice things in <strong>mathematics</strong> that you were having trouble learning</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e. Practice things in <strong>reading</strong> that you were having trouble learning</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>f. Take a test</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>g. Create a map</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>h. Work on a website or blog that you maintain</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>i. Create a multimedia presentation <strong>on your own</strong></td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>j. Work collaboratively with a <strong>team of students</strong> to create a multimedia presentation</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
13. **This school year**, how often have you used a **tablet** to do each of the following? Fill in one oval on each line.

<table>
<thead>
<tr>
<th>Activity</th>
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<td>e. Practice things in <strong>reading</strong> that you were having trouble learning</td>
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<td>f. Take a test</td>
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<td>g. Create a map</td>
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<td>i. Create a multimedia presentation <strong>on your own</strong></td>
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<td>j. Work collaboratively with a <strong>team of students</strong> to create a multimedia presentation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14. Which best describes the way you type on a computer keyboard?

☐ I don’t know how to type using a computer keyboard.

☐ I can type with one or two fingers, but I have to search for where the letter keys are.

☐ I can type with one or two fingers, and I know where most of the letter keys are.

☐ I can type with all ten fingers when I look at the keyboard.

☐ I can type with all ten fingers without looking at the keyboard.

15. Compared to other students in your English/language arts class, how fast do you type on a computer keyboard?

☐ I am slower than most students.

☐ I type about the same speed as others.

☐ I am faster than most students.

☐ I don’t know.

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

☐ Paper and pencil

☐ Computer
17. Do you think you would be able to do each of the following? Fill in one oval on each line.

<table>
<thead>
<tr>
<th></th>
<th>I definitely can’t.</th>
<th>I probably can’t.</th>
<th>I probably can.</th>
<th>I definitely can.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Write sentences and paragraphs using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>b.</td>
<td>Edit text using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>c.</td>
<td>Use a touchscreen on a computer, tablet, or smartphone</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>d.</td>
<td>Look up the meaning of a word using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>e.</td>
<td>Draw a picture using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>f.</td>
<td>View or download digital media</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>g.</td>
<td>Create a presentation using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>h.</td>
<td>Create a spreadsheet using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>i.</td>
<td>Install new software or apps</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>j.</td>
<td>Participate in online discussions, forums, social networking sites, or virtual communities</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>k.</td>
<td>Maintain a website or blog</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>l.</td>
<td>Search for information on the Internet</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>m.</td>
<td>Run simulations using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>n.</td>
<td>Create a graph or chart using a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>o.</td>
<td>Write a computer program or app</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>p.</td>
<td>Troubleshoot a problem with a computer</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>q.</td>
<td>Figure out how to use new functions of a digital device that I am not yet familiar with</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
</tbody>
</table>
18. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
Please read the descriptions of the following four twelfth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

19. **Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- 🇨🇳 0
- 🇨🇳 1
- 🇨🇳 2
- 🇨🇳 3
- 🇨🇳 4
- 🇨🇳 5
- 🇨🇳 6
- 🇨🇳 7
- 🇨🇳 8
- 🇨🇳 9
- 🇨🇳 10
20. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
21. Susan often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, how familiar with using computers and other digital devices do you think Susan is?

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22. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Kevin is?**
23. How familiar are you with each of the following? Fill in one oval on each line.

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<th>Never heard of it</th>
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<td>t. Callosum board</td>
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</tbody>
</table>
V. Enhanced NAEP Questions Tool

Introduction

After every assessment cycle, the National Center for Education Statistics (NCES) releases dozens of assessment questions to the public. The NAEP Questions Tool (NQT) allows users to search for questions by subject, grade, difficulty, and other characteristics. You can also view scoring guides, keys, national performance data, demographic group data, and student responses (for constructed-response questions only). The tool also allows users to create customized reports and to print selected questions and all relevant information. The purpose of the NQT is to provide teachers, researchers, educators, and the public with greater access to NAEP assessment questions.

How do I access the NAEP Questions Tool?

The NQT is available online at http://nces.ed.gov/nationsreportcard/nqt. The tool can also be accessed by clicking the “Sample Questions” link on The Nation’s Report Card home page at http://nationsreportcard.gov.

What can I do with the enhanced NAEP Questions Tool?

NCES has developed an enhanced version of the NAEP Questions Tool (NQT) that expands on its current features to make the tool more useful than ever. You can now use the enhanced NQT to:

• Sort and select NAEP questions more easily with a new “drag ‘n drop” viewing option
• “Test yourself” on any NAEP subject with a more customizable quiz function
• Create online, self-scoring quizzes that students can login to take any time
• Compare results to how students performed across the nation

If you need help navigating the NQT, there is a Help button on every page. For more information on how to use the NQT, visit http://nces.ed.gov/nationsreportcard/about/naeptools.asp#qrg.

Where can I find more information about the subjects NAEP assesses?

The NAEP website contains a wealth of information about the subjects NAEP assesses and can be accessed at http://nces.ed.gov/nationsreportcard.

How can I get additional help?

For more help with features on the NAEP website, click “Help” in the side panel.

For additional assistance, write to us via Contact Us at http://nces.ed.gov/nationsreportcard/contactus.aspx, or e-mail Sherran.Osborne@ed.gov.
VI. About NAEP

NAEP OVERVIEW. NAEP is the largest continuing and nationally representative assessment of what our nation’s students know and can do in various academic subjects. NAEP is administered by the National Center for Education Statistics within the Institute of Education Sciences of the U.S. Department of Education. For more information about the NAEP program, visit the NAEP website at http://nces.ed.gov/nationsreportcard or call 202–502–7420.

PARTICIPATION. States and districts that receive Title I funds are required to participate in biennial NAEP reading and mathematics assessments at grades 4 and 8. Student participation is always voluntary. Contact your school’s NAEP coordinator for more information.

NAEP CONTENT. The National Assessment Governing Board sets policy for NAEP and oversees the creation of the NAEP frameworks, which describe the specific knowledge and skills that should be assessed in each subject. For additional information on framework development, see the Governing Board’s website at http://www.nagb.org/publications/frameworks.htm.

NAEP SECURE QUESTIONS. On written request, adults may review NAEP questions and instruments still in use. These arrangements must be made in advance, and persons reviewing the assessment may not remove the booklets from the room, copy them, or take notes. Contact your school’s NAEP coordinator for more information.

NAEP PUBLICATIONS. NAEP reports and brochures can be searched and downloaded from the NAEP website at http://nces.ed.gov/nationsreportcard.

FOR FURTHER INFORMATION. For prompt field staff support on these or other matters, call the NAEP Help Desk at 800–283–6237.