



Computer Access and Familiarity Study Questionnaire

**2019
Grade 12**

1. At home, do you have any of the following? Select **one** answer choice on each row.

	Yes	No	
a. A laptop or desktop computer that is only for your use	Ⓐ	Ⓑ	VH270141
b. A laptop or desktop computer that is shared between you and others	Ⓐ	Ⓑ	VH270142
c. A tablet that is only for your use	Ⓐ	Ⓑ	VH270139
d. A tablet that is shared between you and others	Ⓐ	Ⓑ	VH270140
e. Wi-Fi or some other Internet connection you can use	Ⓐ	Ⓑ	VH270143
f. A smartphone that is only for your use	Ⓐ	Ⓑ	VH270144

2. 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

3. When did you first use a **tablet**?

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

4. 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

5. **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

6. **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

7. Were you taught any of the following **at school**? Select **one** answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<input type="radio"/> A	<input type="radio"/> B	VH270150
b. How to write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270151
c. How to edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270164
d. How to search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270152
e. How to use a tablet	<input type="radio"/> A	<input type="radio"/> B	VH270156
f. How to look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270157
g. How to create a spreadsheet using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270154
h. How to create a presentation using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270155
i. How to run simulations using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270159
j. How to write a computer program or app	<input type="radio"/> A	<input type="radio"/> B	VH270160
k. How to create a graph or chart using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270161
l. How to troubleshoot problems with a computer	<input type="radio"/> A	<input type="radio"/> B	VH270158

8. Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row. VH270165

	Yes	No	
a. In most of my classes there are laptop or desktop computers that I can use for schoolwork.	Ⓐ	Ⓑ	VH270166
b. In most of my classes there are tablets that I can use for schoolwork.	Ⓐ	Ⓑ	VH270167
c. There is Wi-Fi or some other Internet connection that I can use for schoolwork.	Ⓐ	Ⓑ	VH270170
d. Most of my teachers use computers when teaching my classes.	Ⓐ	Ⓑ	VH270169
e. Most of my teachers require us to use computers in the classroom.	Ⓐ	Ⓑ	VH270168

9. 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).

VH270116

VH270117

10. 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.

11. This school year, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH270172
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH270173
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH270174
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270181
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270177
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH270175
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH270178
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH270179
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH270180
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH270176

12. This school year, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH270183
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH270188
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH270184
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270185
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270186
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH270192
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH270189
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH270190
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH270191
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH270187

13. 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.

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

- Ⓐ Paper and pencil
- Ⓑ Computer

15. Do you think you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	(A)	(B)	(C)	(D)	VH270229
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH270230
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH270225
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH270226
f. View or download digital media	(A)	(B)	(C)	(D)	VH270216
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH270228
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH270231
i. Install new software or apps	(A)	(B)	(C)	(D)	VH270219
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH270220
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH270221
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH270222
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH270223
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH270224
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH270227
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH270232
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH270217

16. 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
- ⓵ 9
- Ⓚ 10

17. 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.

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

18. **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

19. **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

20. **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

21. How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270195
b. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270196
c. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270197
d. Hyperlink	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270198
e. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270199
f. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270200
g. CPU	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270201
h. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270203
i. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270204
j. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270206
k. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270207
l. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270208
m. Cloud computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270209
n. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270210
o. Compiler	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270212
p. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270214