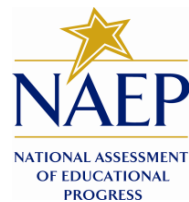


NATIONAL CENTER FOR EDUCATION STATISTICS (NCES)

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

WAVE 3 SUBMITTAL FOR 2015 VOLUME II

SPECIAL STUDIES SURVEY QUESTIONS OMB# 1850-0790



Grade 4 - Student

National Assessment of Educational Progress (NAEP) 2015 - Early Childhood
Longitudinal Study, Kindergarten Class of 2010-11 (ECLS-K:2011) Study Questions

Computer Familiarity Study Questions

Grade 8 - Student

Computer Familiarity Study Questions

Grade 12 - Student

Computer Familiarity Study Questions

July 31, 2014 (rev.9-18-14)

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STUDENT QUESTIONNAIRES

OMB Information on NAEP-ECLS-K Student 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 it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850–0790. The time required to complete this information collection is estimated to average 10 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, suggestions for improving this collection, or any comments or concerns regarding the status of your individual submission of this form, please write to: National Assessment of Educational Progress, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

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

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STUDENT QUESTIONNAIRES

OMB Information on Computer Familiarity Study Student 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 it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0790. The time required to complete this information collection is estimated to average xx¹ 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, suggestions for improving this collection, or any comments or concerns regarding the status of your individual submission of this form, please write to: National Assessment of Educational Progress, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

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

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

¹ Note: 10 minutes for the Computer Familiarity Study-Grade 4; 15 minutes for the Computer Familiarity Study-Grades 8 and 12.

NAEP-ECLS-K:2011 Student Questionnaire Grade 4

Student Grade 4 NAEP-ECLS-K:2011 Questions

The amount of time estimated to complete this form is 10 minutes.

VH195634

1. 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.

VH195637

2. 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.

VH195642

3. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

VH195670

4. What does **your mother** do at work? (for example, She's a lawyer; She teaches 1st grade; She cooks in a restaurant; She does not work)

5. What does **your mother** do for work? Fill in the oval next to the job title that most closely describes what she does.

- | | |
|---|--|
| <input type="radio"/> A Accountant | <input type="radio"/> A <input type="radio"/> G Mechanic |
| <input type="radio"/> B Artist | <input type="radio"/> A <input type="radio"/> H Medical technician |
| <input type="radio"/> C Athlete | <input type="radio"/> A <input type="radio"/> I Military |
| <input type="radio"/> D Carpenter | <input type="radio"/> A <input type="radio"/> J Miner |
| <input type="radio"/> E Cashier | <input type="radio"/> A <input type="radio"/> K Nurse |
| <input type="radio"/> F Cleaner | <input type="radio"/> A <input type="radio"/> L Office support |
| <input type="radio"/> G Clerk | <input type="radio"/> A <input type="radio"/> M Painter |
| <input type="radio"/> H College professor | <input type="radio"/> A <input type="radio"/> N Pharmacist |
| <input type="radio"/> I Construction worker | <input type="radio"/> A <input type="radio"/> O Police |
| <input type="radio"/> J Cook | <input type="radio"/> A <input type="radio"/> P Receptionist |
| <input type="radio"/> K Customer service | <input type="radio"/> A <input type="radio"/> Q Religious worker |
| <input type="radio"/> L Day care worker | <input type="radio"/> A <input type="radio"/> R Repair technician |
| <input type="radio"/> M Dental hygienist | <input type="radio"/> A <input type="radio"/> S Salesperson |
| <input type="radio"/> N Dentist | <input type="radio"/> A <input type="radio"/> T Scientist |
| <input type="radio"/> O Designer | <input type="radio"/> A <input type="radio"/> U Secretary |
| <input type="radio"/> P Doctor | <input type="radio"/> A <input type="radio"/> V Security guard |
| <input type="radio"/> Q Education administrator | <input type="radio"/> A <input type="radio"/> W Server |
| <input type="radio"/> R Electrician | <input type="radio"/> A <input type="radio"/> X Social worker |
| <input type="radio"/> S Engineer | <input type="radio"/> A <input type="radio"/> Y Software developer |
| <input type="radio"/> T Executive | <input type="radio"/> A <input type="radio"/> Z Stocker |
| <input type="radio"/> U Factory worker | <input type="radio"/> B <input type="radio"/> A Supervisor |
| <input type="radio"/> V Farmer | <input type="radio"/> B <input type="radio"/> B Surgeon |
| <input type="radio"/> W Firefighter | <input type="radio"/> B <input type="radio"/> C Surveyor |
| <input type="radio"/> X Grounds worker | <input type="radio"/> B <input type="radio"/> D Taxi driver |
| <input type="radio"/> Y Health aide | <input type="radio"/> B <input type="radio"/> E Teacher |
| <input type="radio"/> Z Helper | <input type="radio"/> B <input type="radio"/> F Therapist |
| <input type="radio"/> A <input type="radio"/> A Housekeeper | <input type="radio"/> B <input type="radio"/> G Transportation |
| <input type="radio"/> A <input type="radio"/> B Janitor | <input type="radio"/> B <input type="radio"/> H Truck driver |
| <input type="radio"/> A <input type="radio"/> C Lawyer | <input type="radio"/> B <input type="radio"/> I Veterinarian |
| <input type="radio"/> A <input type="radio"/> D Librarian | <input type="radio"/> B <input type="radio"/> J Writer |
| <input type="radio"/> A <input type="radio"/> E Manager | <input type="radio"/> B <input type="radio"/> K Other: _____ |
| <input type="radio"/> A <input type="radio"/> F Marketing | |

6. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

7. What does **your father** do at work? (for example, He's a lawyer; He teaches 1st grade; He cooks in a restaurant; He does not work)

8. What does **your father** do for work? Fill in the oval next to the job title that most closely describes what he does.

- | | |
|---|--|
| <input type="radio"/> A Accountant | <input type="radio"/> A <input type="radio"/> G Mechanic |
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| <input type="radio"/> U Factory worker | <input type="radio"/> B <input type="radio"/> A Supervisor |
| <input type="radio"/> V Farmer | <input type="radio"/> B <input type="radio"/> B Surgeon |
| <input type="radio"/> W Firefighter | <input type="radio"/> B <input type="radio"/> C Surveyor |
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| <input type="radio"/> A <input type="radio"/> C Lawyer | <input type="radio"/> B <input type="radio"/> I Veterinarian |
| <input type="radio"/> A <input type="radio"/> D Librarian | <input type="radio"/> B <input type="radio"/> J Writer |
| <input type="radio"/> A <input type="radio"/> E Manager | <input type="radio"/> B <input type="radio"/> K Other: _____ |
| <input type="radio"/> A <input type="radio"/> F Marketing | |

**Computer Familiarity Study
Student Questionnaire
Grade 4**

Student Grade 4 Computer Familiarity Study Questions

The amount of time estimated to complete this form is 10 minutes.

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

- A I hardly know anything at all.
- B I know something.
- C I know quite a bit.
- D I know a lot.

2. **At home**, do you have a **laptop or desktop computer** that is only for your use?

- A Yes
- B No

3. **At home**, is there a **laptop or desktop computer** that is shared between you and others?

- A Yes
- B No

4. **At home**, do you have a **tablet** that is only for your use?

- A Yes
- B No

5. **At home**, is there a **tablet** that is shared between you and others?

- A Yes
- B 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?

- A Yes
- B No

14. **At school**, were you taught how to write sentences and paragraphs using a computer?

- A Yes
- B No

15. **At school**, were you taught how to edit text using a computer?

- A Yes
- B No

16. **At school**, were you taught how to search for information on the Internet?

- A Yes
- B No

17. **At school**, were you taught how to use a tablet?

- A Yes
- B No

18. **At school**, were you taught how to draw a picture using a computer?

- A Yes
- B No

19. **At school**, were you taught how to look up the meaning of a word using a computer?

- A Yes
- B No

20. **At school**, are there **laptop or desktop computers** that you can use for schoolwork?

- A Yes
- B No

21. **At school**, are there **tablets** that you can use for schoolwork?

- A Yes
- B No

22. **At school**, is there **Wi-Fi** or some other **Internet connection** you can use for schoolwork?

- A Yes
- B 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.

**Computer Familiarity Study
Student Questionnaire
Grade 8**

Student Grade 8 Computer Familiarity Study Questions

The amount of time estimated to complete this form is 15 minutes.

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.

	Yes	No	
a. A laptop or desktop computer that is only for your use	Ⓐ	Ⓑ	VH155283
b. A laptop or desktop computer that is shared between you and others	Ⓐ	Ⓑ	VH155284
c. A tablet that is only for your use	Ⓐ	Ⓑ	VH155280
d. A tablet that is shared between you and others	Ⓐ	Ⓑ	VH155281
e. Wi-Fi or some other Internet connection you can use	Ⓐ	Ⓑ	VH155285
f. A smartphone that is only for your use	Ⓐ	Ⓑ	VH155287

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.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	Ⓐ	Ⓑ	VH155375
b. How to write sentences and paragraphs using a computer	Ⓐ	Ⓑ	VH155376
c. How to edit text using a computer	Ⓐ	Ⓑ	VH176918
d. How to search for information on the Internet	Ⓐ	Ⓑ	VH155377
e. How to use a tablet	Ⓐ	Ⓑ	VH155378
f. How to draw a picture using a computer	Ⓐ	Ⓑ	VH155379
g. How to look up the meaning of a word using a computer	Ⓐ	Ⓑ	VH155380
h. How to create a spreadsheet using a computer	Ⓐ	Ⓑ	VH155381
i. How to create a presentation using a computer	Ⓐ	Ⓑ	VH155382
j. How to run simulations using a computer	Ⓐ	Ⓑ	VH155384
k. How to write a computer program or app	Ⓐ	Ⓑ	VH155385
l. How to create a graph or chart using a computer	Ⓐ	Ⓑ	VH155386
m. How to maintain a website or blog	Ⓐ	Ⓑ	VH155387
n. How to install new software or apps	Ⓐ	Ⓑ	VH155388
o. How to troubleshoot problems with a computer	Ⓐ	Ⓑ	VH155383

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.

	Yes	No	
a. In most of my classes there are laptop or desktop computers that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155479
b. In most of my classes there are tablets that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155482
c. There is Wi-Fi or some other Internet connection that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH182383
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH155484
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH155485

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

11. Has your school assigned you a **tablet** that only you can use?
- A No
 - B Yes, but I cannot take it home with me.
 - C 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.

	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)	VH155496
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155497
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155498
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176943
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176945
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176946
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224684
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224685
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224690

13. This school year, how often have you used a **tablet** to do each of the following? Fill in **one** oval on each line.

	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)	VH155525
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155528
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155527
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176938
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176925
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176927
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224714
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224720
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224725

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.

	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)	VH176967
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH176970
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH155810
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH155811
f. View or download digital media	(A)	(B)	(C)	(D)	VH155800
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH155820
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH155802
i. Install new software or apps	(A)	(B)	(C)	(D)	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH155805
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH155806
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH155807
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH155808
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH155809
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH155812
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH224738

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.

	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	VH155751
b. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155752
c. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155753
d. Hyperlink	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155756
e. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155757
f. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155758
g. CPU	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155759
h. Track changes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155760
i. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155761
j. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155762
k. Pivot table	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155763
l. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155765
m. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155766
n. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155767
o. Cloud computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155768
p. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155769
q. Root directory	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155770
r. Compiler	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155771
s. ASCII	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155772
t. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155779

**Computer Familiarity Study
Student Questionnaire
Grade 12**

Student Grade 12 Computer Familiarity Study Questions

The amount of time estimated to complete this form is 15 minutes.

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.

	Yes	No	
a. A laptop or desktop computer that is only for your use	Ⓐ	Ⓑ	VH155283
b. A laptop or desktop computer that is shared between you and others	Ⓐ	Ⓑ	VH155284
c. A tablet that is only for your use	Ⓐ	Ⓑ	VH155280
d. A tablet that is shared between you and others	Ⓐ	Ⓑ	VH155281
e. Wi-Fi or some other Internet connection you can use	Ⓐ	Ⓑ	VH155285
f. A smartphone that is only for your use	Ⓐ	Ⓑ	VH155287

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.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	Ⓐ	Ⓑ	VH155375
b. How to write sentences and paragraphs using a computer	Ⓐ	Ⓑ	VH155376
c. How to edit text using a computer	Ⓐ	Ⓑ	VH176918
d. How to search for information on the Internet	Ⓐ	Ⓑ	VH155377
e. How to use a tablet	Ⓐ	Ⓑ	VH155378
f. How to draw a picture using a computer	Ⓐ	Ⓑ	VH155379
g. How to look up the meaning of a word using a computer	Ⓐ	Ⓑ	VH155380
h. How to create a spreadsheet using a computer	Ⓐ	Ⓑ	VH155381
i. How to create a presentation using a computer	Ⓐ	Ⓑ	VH155382
j. How to run simulations using a computer	Ⓐ	Ⓑ	VH155384
k. How to write a computer program or app	Ⓐ	Ⓑ	VH155385
l. How to create a graph or chart using a computer	Ⓐ	Ⓑ	VH155386
m. How to maintain a website or blog	Ⓐ	Ⓑ	VH155387
n. How to install new software or apps	Ⓐ	Ⓑ	VH155388
o. How to troubleshoot problems with a computer	Ⓐ	Ⓑ	VH155383

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.

	Yes	No	
a. In most of my classes there are laptop or desktop computers that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155479
b. In most of my classes there are tablets that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH155482
c. There is Wi-Fi or some other Internet connection that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH182383
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH155484
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH155485

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

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

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

- A No
 B Yes, but I cannot take it home with me.
 C 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.

	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)	VH155496
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155497
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155498
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176943
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176945
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176946
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224684
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224685
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224690

13. This school year, how often have you used a **tablet** to do each of the following? Fill in **one** oval on each line.

	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)	VH155525
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH155528
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH155527
d. Practice things in mathematics that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176938
e. Practice things in reading that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH176925
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH176927
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH224714
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH224720
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH224725

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.

	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)	VH176967
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH176970
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH155810
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH155811
f. View or download digital media	(A)	(B)	(C)	(D)	VH155800
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH155820
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH155802
i. Install new software or apps	(A)	(B)	(C)	(D)	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH155805
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH155806
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH155807
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH155808
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH155809
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH155812
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH224738

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?**

- Ⓐ 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.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	(A)	(B)	(C)	(D)	VH155751
b. Wi-Fi	(A)	(B)	(C)	(D)	VH155752
c. Firewall	(A)	(B)	(C)	(D)	VH155753
d. Hyperlink	(A)	(B)	(C)	(D)	VH155756
e. Neuro-digital computing	(A)	(B)	(C)	(D)	VH155757
f. Instant messaging	(A)	(B)	(C)	(D)	VH155758
g. CPU	(A)	(B)	(C)	(D)	VH155759
h. Track changes	(A)	(B)	(C)	(D)	VH155760
i. Cut and paste	(A)	(B)	(C)	(D)	VH155761
j. Pyramidal browser	(A)	(B)	(C)	(D)	VH155762
k. Pivot table	(A)	(B)	(C)	(D)	VH155763
l. Spreadsheet	(A)	(B)	(C)	(D)	VH155765
m. Limbic wire	(A)	(B)	(C)	(D)	VH155766
n. Spinalbyte	(A)	(B)	(C)	(D)	VH155767
o. Cloud computing	(A)	(B)	(C)	(D)	VH155768
p. Server	(A)	(B)	(C)	(D)	VH155769
q. Root directory	(A)	(B)	(C)	(D)	VH155770
r. Compiler	(A)	(B)	(C)	(D)	VH155771
s. ASCII	(A)	(B)	(C)	(D)	VH155772
t. Callosum board	(A)	(B)	(C)	(D)	VH155779