## **Gallup | Google Teacher Survey**

**Current Perspectives and Continuing Challenges in Computer Science Education in U.S. K-12 Schools**

T\_Q1   
Welcome! This survey is about the educational experiences of K-12 students.  
  
  
Upon completion of the survey, you will receive a $2 reward within three weeks of closing the survey.

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Q1 According to our records, you work as a K-12 teacher in a school in the United States. Is that still the case?

* Yes (1)
* No (2)

Skip To: End of Block If Q1 = 2

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CONSENT Gallup is conducting this survey to learn more about the education experiences of teachers and students. Your responses to this survey are completely optional, and there are no consequences if you choose not to respond. Your personal responses are completely confidential. You will receive a $2 reward for completing this survey. Do you agree to participate in this survey?

* Yes (1)
* No (2)

Skip To: End of Block If CONSENT = 2

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Q2   
What grade or grades do you currently teach? *(Please select all that apply.)*

* Preschool (1)
* Kindergarten (2)
* 1st (3)
* 2nd (4)
* 3rd (5)
* 4th (6)
* 5th (7)
* 6th (8)
* 7th (9)
* 8th (10)
* 9th (11)
* 10th (12)
* 11th (13)
* 12th (14)
* Other (15)

End of Block: CONSENT, Q1, Q2

Start of Block: Q3A-I

Q3 Based on what you have seen or heard, do you consider each of the following to be part of computer science?

Q3A Programming and coding

* Yes (1)
* No (2)

Q3B Creating new software

* Yes (1)
* No (2)

Q3C Creating documents or presentations on the computer

* Yes (1)
* No (2)

Q3D Searching the Internet

* Yes (1)
* No (2)

Q3E Analyzing large data sets

* Yes (1)
* No (2)

Q3F Artificial intelligence and machine learning

* Yes (1)
* No (2)

Q3G Creating videos or music on the computer

* Yes (1)
* No (2)

Q3H Learning to safely use the Internet

* Yes (1)
* No (2)

Q3I Hardware design and development

* Yes (1)
* No (2)

End of Block: Q3A-I

Start of Block: T\_Q4

T\_Q4   
For this survey, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.   
    
For the purposes of this study, computer science includes learning about or doing things like:   
- Developing hardware and software   
- Programming a computer   
- Writing and running computer code   
- Machine learning and artificial intelligence   
    
Computer science does not include things like:   
- Simply using a computer, tablet or smartphone   
- Conducting online research   
- Creating documents or presentations on the computer

End of Block: T\_Q4

Start of Block: Q4A-G

Q4 On a five-point scale, where 5 means strongly agree and 1 means strongly disagree, please rate your level of agreement with each of the following statements.

Q4A Computer science education is currently a top priority for my school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4B My school board is committed to offering computer science in our schools.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4C Students should be required to take a computer science course if it is available at school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4D   
Computer science education should be incorporated into other subjects at school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4E People who do computer science work make things that help improve people’s lives.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4F Parents/guardians in my school are eager to have their children pursue a career in computer science.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q4G Having computer science education would significantly improve the future career options for students at my school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

End of Block: Q4A-G

Start of Block: Q5A-G

Q5 Again, on a five-point scale, where 5 means strongly agree and 1 means strongly disagree, please rate your level of agreement with each of the following statements.  
  
  
As a reminder, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.

Q5A In the last three years, teaching computer science has become a higher priority for my school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5B Teachers in my school incorporate computer science education into their lesson plans.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5C Teachers’ efforts to teach computer science concepts are highly valued at my school.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5D It is extremely important for all students to learn computer science.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5E Credits earned for high school computer science courses should count toward fulfilling core course requirements for graduation.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5F Computer science is used in a lot of different types of jobs.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5G My school would invest more in computer science education if we had the funds to do so.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

Q5H There is someone in my school who is able to advise students about pathways to a computer science career.

* 1 - Strongly disagree (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Strongly agree (5)

End of Block: Q5A-G

Start of Block: Q6, Q8, Q9, Q10, Q11, Q12, Q13, Q14A-C

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Q6 Do you think offering opportunities to learn computer science is more important, just as important or less important to a student’s future success than other required courses like math, science, social studies/history and English?

* More important (1)
* Just as important (2)
* Less important (3)
* Don't know (98)

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T\_Q8 As a reminder, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.

Q9 How likely are your students to pursue a career in computer science someday?

* 1 - Not at all likely (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Very likely (5)

Q8 How interested are your students in learning computer science?

* 1 - Not interested at all (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Very interested (5)

Q10   
Have you ever personally encouraged a student to take a computer science course? 

* Yes (1)
* No (2)

Q11 Have you ever personally encouraged a student to pursue a career in computer science?

* Yes (1)
* No (2)

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T\_Q12 As a reminder, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.

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Q12   
Did at least some students in your school learn ANY computer science **at school** in the past year? 

* Yes (1)
* No (2)

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Display This Question:

If Q12 = 1

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Q13 Overall, please rate the quality of computer science learning that students at your school have received **during school** this year.

* Poor (1)
* Fair (2)
* Good (3)
* Very good (4)
* Excellent (5)
* Don’t know (98)

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Q14 Please rate your level of satisfaction with the following items:

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Q14A The **availability** of computer science education opportunities for students at your school

* 1 - Very dissatisfied (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Very satisfied (5)
* Don’t know (98)

Display This Question:

If Q12 = 1

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Q14B The **quality** of computer science education **curricula** used at your school

* 1 - Very dissatisfied (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Very satisfied (5)
* Don’t know (98)

Display This Question:

If Q12 = 1

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Q14C The **quality** of computer science **instruction** at your school

* 1 - Very dissatisfied (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 - Very satisfied (5)
* Don’t know (98)

End of Block: Q6, Q8, Q9, Q10, Q11, Q12, Q13, Q14A-C

Start of Block: Q15

T\_Q15 As a reminder, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.

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Q15   
In the next three years, do you expect the number of opportunities to learn computer science in your school will increase, stay the same or decrease?

* Increase (1)
* Stay the same (2)
* Decrease (3)
* Don’t know (98)

End of Block: Q15

Start of Block: Q16A-G

Q16 As far as you know, does your school offer instruction in each of the following computer science concepts?

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Q16A Computer programming or coding to create things such as websites, apps, or video games

* Yes (1)
* No (2)
* Don’t know (98)

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Q16B Using techniques for breaking big problems down into smaller, easier parts

* Yes (1)
* No (2)
* Don’t know (98)

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Q16C Learning what makes computers work the way they do

* Yes (1)
* No (2)
* Don’t know (98)

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Q16D The impact of technology on society

* Yes (1)
* No (2)
* Don’t know (98)

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Q16E Robotics using programming or coding

* Yes (1)
* No (2)
* Don’t know (98)

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Q16F Artificial intelligence and machine learning

* Yes (1)
* No (2)
* Don’t know (98)

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Q16G Analyzing large data sets

* Yes (1)
* No (2)
* Don’t know (98)

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Q16H Hardware design and development

* Yes (1)
* No (2)
* Don’t know (98)

End of Block: Q16A-G

Start of Block: Block 8

Display This Question:

If Q12 = 1

T\_Q17 As a reminder, “computer science” means the study of computers, including both hardware and software design, development and programming. This does NOT include just using or having access to a computer in general.

Display This Question:

If Q12 = 1

Q17 Have you taught computer science as a dedicated class during this school year?

* Yes (1)
* No (2)

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Display This Question:

If Q17 = 1

Q18 Is this computer science course required for all students in your school?

* Yes (1)
* No (2)

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Display This Question:

If Q12 = 1

Q19 Have you taught computer science as part of another class or subject area during this school year?

* Yes (1)
* No (2)

Q20 Have you taught computer science as part of a club or group outside of class during this school year?

* Yes (1)
* No (2)

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Q21 What can businesses or other organizations do to ensure more schools can make high quality computer science education available to students?

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End of Block: Block 8

Start of Block: D1, D2, D3,D4, D5, D6, D7, D8, D9, D10, D11

T\_D1 **The last few questions are about you and the school where you teach.**

D1 Which of the following classes or subjects do you currently teach regularly? *(Please select all that apply.)*

* General education, such as elementary education (1)
* Math (2)
* Science (3)
* English language arts (4)
* P.E./Health (5)
* Reading (6)
* Computer science (7)
* Foreign language (8)
* Special education (9)
* English language learning (10)
* Music/Visual or performing arts (11)
* History/Social studies (12)
* Information technology (13)
* Business (14)
* Other (15)

D2 How many years have you been a K-12 school teacher?

▼ Less than one year (103) ... 50+ Years (153)

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D3 Are you of Hispanic, Latino, or Spanish origin - such as Mexican, Puerto Rican, Cuban, or other Spanish origin?

* Yes (1)
* No (2)
* Don’t know (8)

D4 Which of the following describes your race? You may select one or more.

* White (1)
* Black or African-American (2)
* Asian (3)
* American Indian or Alaska Native (4)
* Native Hawaiian or Pacific Islander (5)
* ⊗Don't know (6)

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D5 Which of the following best describes the area in which your school is located?

* City (1)
* Suburb (2)
* Town (3)
* Rural (4)
* Don't know/Does not apply (98)

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D6 About how many students currently attend your school?

* Less than 100 (1)
* 100 – 500 (2)
* 501 – 1,000 (3)
* 1,001 – 2,000 (4)
* 2,001 or more (5)

D7 Which of the following best describes the type of students your school generally serves?

* Low-income (1)
* Middle-income (2)
* High-income (3)

D8 Which of the following best describes your school?

* Elementary school (1)
* Middle/Junior high school (2)
* High school (3)
* Combined (4)
* Other (5)

D9 At what type of school do you teach?

* Public (1)
* Private (2)
* Charter (3)
* Some other kind of school (4)

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If D9 != 2

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D10\_PUBLIC   
In which state is your school district located?   
In which school district is your school located?

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Display This Question:

If D9 != 2

D11\_Public Please enter the name of your school.

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If D9 = 2

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D11\_Private   
In which state is your school located?   
Please enter or choose the name of your school.

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End of Block: D1, D2, D3,D4, D5, D6, D7, D8, D9, D10, D11