## **Gallup | Google Superintendents 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.

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Q1 According to our records, you work as a superintendent in a public school district 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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CONSENT1 Gallup is conducting this survey to learn more about the education opportunities in your school district. Your responses to this survey are completely optional, and there are no consequences if you choose not to respond. Your personal responses are confidential. Do you agree to participate in this survey?

* Yes (1)
* No (2)

Skip To: End of Block If CONSENT1 = 2

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SWEEP   
At the end of the survey, you will have a chance to enter a Sweepstakes for a prize drawing.   
  
  
Two (2) different winners, chosen at random, will receive a $10,000.00 cash reward for their school. Should you choose not to participate in the survey, you may still be considered to enter the drawing by mailing a postcard with your Full Name and Email & Address where you received this invitation to:  
   
 Staci Bedel   
℅ Gallup   
1001 Gallup Dr. Omaha, NE 68102  
   
 The Official Rules for the Sweepstakes are available at:  
   
 [2020 Gallup Survey Sweepstakes Official Rules](https://gallupinc.co1.qualtrics.com/CP/File.php?F=F_1FyzZgsP1cpSYsd)

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Q2 As you may know, some school districts in the U.S. are either elementary or high school districts. Please indicate the grade levels present in your school district. *(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: META, Q1, SWEEP, 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:   
    
- Hardware and software design    
- Programming a computer   
- Writing and running computer code   
- Machine learning and artificial intelligence    
    
Computer science does not include:   
- 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: Q4

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.

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

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

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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)

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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)

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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)

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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)

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Q4F   
Parents/guardians in my school district 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)

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

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

End of Block: Q4

Start of Block: Q5A-H

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.

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

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

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

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

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

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

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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)

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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)

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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)

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Q5G My district 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)

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Q5H There is someone in each school in my district 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-H

Start of Block: Q6, Q7, Q9, Q10, Q11, Q12, Q13A-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)

Q7 Compared with three years ago, do you think that learning computer science is more important, just as important or less important to the future success of students in your school district?

* More important (1)
* Just as important (2)
* Less important (3)

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T\_Q9 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.

Q10 How likely are students in your school district to pursue a career in computer science someday?

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

Q9 How interested are students in your school district in learning computer science?

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

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T\_Q11 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.

Q11   
Did at least some students in your school district learn ANY computer science **at school** in the past year?

* Yes (1)
* No (2)

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Display This Question:

If Q11 = 1

Q12 Overall, please rate the quality of computer science learning that students in your district have received **during school** this year.

* Poor (1)
* Fair (2)
* Good (3)
* Very Good (4)
* Excellent (5)
* Don’t know (6)

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Q13 Please rate your level of satisfaction with the following items:

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Q13A   
The **availability** of computer science education opportunities for students in your school district

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

Display This Question:

If Q11 = 1

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Q13B The **quality** of computer science education **curricula** used in your school district

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

Display This Question:

If Q11 = 1

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Q13C The **quality** of computer science **instruction** in your school district

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

End of Block: Q6, Q7, Q9, Q10, Q11, Q12, Q13A-C

Start of Block: Q14, Q15A-E, Q16, Q17, Q18, Q20

T\_Q14 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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Q14 In the next three years, do you expect the number of opportunities to learn computer science in your school district will increase, stay the same or decrease?

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

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Q15 Please indicate whether your school district has done or has considered doing each of the following:

Q15A   
Partnered with local businesses or organizations to expand students’ access to computer science

* My school district has done this (1)
* My school district is currently considering this (2)
* My school district is not considering this at this time (3)

Q15B Added staff members with the necessary skills to teach computer science

* My school district has done this (1)
* My school district is currently considering this (2)
* My school district is not considering this at this time (3)

Q15C Made more computer science courses or curricula available in schools

* My school district has done this (1)
* My school district is currently considering this (2)
* My school district is not considering this at this time (3)

Q15D Encouraged teachers from other disciplines to attend professional development opportunities focused on computer science

* My school district has done this (1)
* My school district is currently considering this (2)
* My school district is not considering this at this time (3)

Q15E   
Applied for a grant to allow your district to offer more computer science learning opportunities to students

* My school district has done this (1)
* My school district is currently considering this (2)
* My school district is not considering this at this time (3)

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Q16   
Has your state made computer science education funding or resources available for your school district?

* Yes (1)
* No (2)
* Don't know (3)

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Display This Question:

If Q16 = 1

Q17 Has your school district used computer science education funding or resources available from your state?

* Yes (1)
* No (2)

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Display This Question:

If Q11 = 1

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Q18 In what grades is computer science taught to students in your school district? *(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)
* ⊗Computer science is not taught in my school district (15)
* ⊗Don’t know (98)

Display This Question:

If Q11 = 1

Q19 About how many students in your school district’s last graduating class took a dedicated computer science course before they graduated high school?

* All (1)
* Most (2)
* Some (3)
* None (4)
* Don’t know/Does not apply (5)

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Q20 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: Q14, Q15A-E, Q16, Q17, Q18, Q20

Start of Block: D1, D2, D3, D4, D5

T\_D1 The last few questions are about you and the school district that you serve.

D1   
How many total years have you been a school district superintendent in any school district?

▼ < 1 Year (52) ... 50+ Years (102)

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D2   
Which of the following best describes the area in which your school district is located?

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

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D3 What is the ZIP Code where your school district office is located?

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D4 About how many students are currently enrolled in your school district?

* Less than 1,000 (1)
* 1,001 – 2,000 (2)
* 2,001 – 5,000 (3)
* 5,001 – 10,000 (4)
* 10,001 – 20,000 (5)
* 20,001 – 50,000 (6)
* 50,000 or more (7)

D5 Which of the following best describes the type of students your school district generally serves?

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

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SWEEPSTAKES You will now have the opportunity to be entered in the 2020 Superintendent Survey on Education Topics Sweepstakes. Participation is completely confidential, and Gallup will select the winner(s) in a random drawing.  
   
 Each sweepstakes participant is eligible to win one of two $10,000 prizes for their school. The official rules for the Sweepstakes are available at:    
    
[2020 Gallup Survey Sweepstakes Official Rules](https://gallupinc.co1.qualtrics.com/CP/File.php?F=F_1FyzZgsP1cpSYsd)  
   
 Participation in the drawing is voluntary and completely confidential.

* Yes, I would like to enter the Sweepstakes (1)
* No, I would not like to enter the Sweepstakes (2)

End of Block: D1, D2, D3, D4, D5