

Computer science is relevant for all careers

Computer science is a foundational field for all 21st century careers. All students can benefit from studying the basics of computer science, regardless of whether they want to be a doctor, politician, entrepreneur, musician, or astronaut.

Lack of access is a civil rights issue



9 out of 10 schools don't even offer computer programming classes.

Lack of diversity in the field

Because future career success will depend, in part, on familiarity with computer science, ensuring access to computer science is an equity issue our country must address. In computer science, boys outnumber girls 4 to 1, whereas in advanced math it's 50:50.¹

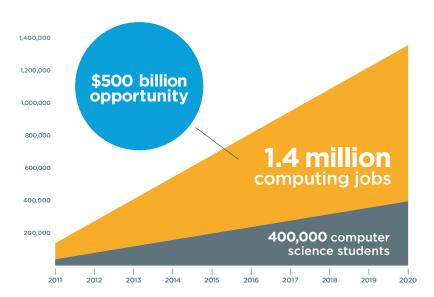


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US economy and job growth

Computer science is a top paying college degree and computer programming jobs are growing at 2x the national average.¹

For more interesting statistics on computer science in the U.S., visit http://code.org/stats



1,000,000 more jobs than students by 2020

¹Sources: College Board, Bureau of Labor Statistics, NSF

Code.org's amazing first year

In 2013 we accomplished the following:

- 20 million students did the Hour of Code in December, including 1 in 4 students in U.S. schools. Half were girls.
- 13,000 teachers began teaching our online course to 750,000 students
- A dozen districts (including 3 of the top 6) agreed to partner to bring computer science to 100+ high schools
- Helped change policy in 5 states (MD, WA, AL, WI, TN) to recognize computer science as counting toward high school graduation requirements



"I have **never**, **ever** seen my
students so
excited about
learning."

-Teacher

The plan for 2014 and beyond

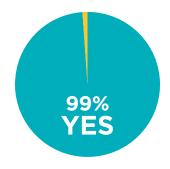
1 Bringing computer science to US schools
Goal: computer science taught in every K-12 school in the
US (up from 10% today)

▶ Elementary school: We provide 20-hour modules for various grade levels—featuring videos, puzzles, group activities and game-design. Our curriculum is mapped to Common Core standards, and includes video lectures by Mark Zuckerberg and Bill Gates and puzzles featuring Rovio's Angry Birds and PopCap Games' Plants vs. Zombies. Our blended-learning model empowers teachers to track student learning from any web-browser or tablet. Students can learn online individually, with a parent or in class.



▶ Middle school: We provide computer science and programming activities that integrate into existing math and science courses.

What do teachers think of our K-8 intro to computer science course?



Would you recommend this course to another teacher?



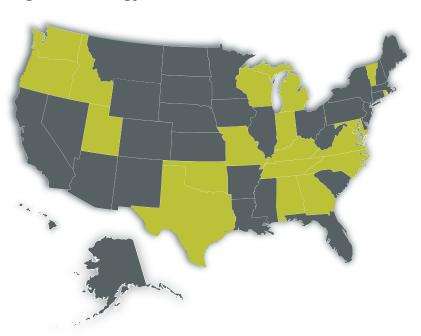
Would you teach this course again?

- ▶ High school: We support two popular courses Exploring Computer Science, and Computer Science Principles, which allow students to explore how computer science relates to real life. Course material maps to Computer Science Teachers Association (CSTA) K-12 Standards, Common Core State Standards for Math and Next Generation Science Standards.
- ▶ District partnerships: We're partnering with school districts nationwide to implement comprehensive K-12 computer science programs. At no-cost to schools, Code.org provides:
- More than 100 hours of professional development to prepare teachers with no computer-science experience for high quality instruction (with stipends)
- Nationally-recognized courses and curriculum, optimized for blended learning
- Materials to promote computer science to the school community and ensure that all students, especially from underrepresented groups, have access to rigorous computer science education

2 Removing barriers & establishing policies Goal: Change the rules to accelerate computer science adoption

Our short-term advocacy goals is to allow computer science classes to satisfy existing high school graduation requirements for math or science.

Our long-term goal is to make computer science part of core curriculum taught in all schools, alongside other subjects like algebra & biology.



In 31 U.S. states, computer science can't count towards high school math or science graduation requirements



"Now I'm
trying to tell
other schools
to teach code
because it
really was
an amazing
experience."

-5th grader

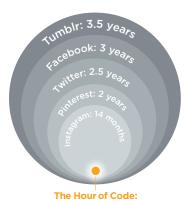


"Today, they ran into my room before class even began and asked if they could start coding."

—Teacher

3 Breaking stereotypes with the Hour of Code

Goal: increase participation by women and underrepresented groups



5 davs

In 2013 Code.org organized the Hour of Code—a campaign aimed to demystify computer science and encourage millions to try just an hour. Twenty million students tried an Hour of Code in December 2013 alone, and half were girls!

For the 2014 Hour of Code, we hope to reach 100 million students!



"The kids were excited and a few obsessed."

-Teacher

The Hour of Code: Fastest to reach 15 million users

Help us realize our nation's untapped potential

Join over a hundred other donors and partners to help us make this plan a reality.

► Major Partners and Donors

Amazon

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Machinery

Boys and Girls Club of America

College Board

Computer Science Teachers

Association

Dropbox

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Juniper Networks

Khan Academy

Microsoft

LinkedIn

National Science Foundation

Salesforce.com

Teach for America

"The best
educational
product I've
ever come
across."

— Parent/ entrepreneur

For the full list of donors and partners visit:

http://code.org/about/donors http://code.org/about/partners

Code.org is a 501(c)3 non-profit dedicated to expanding participation in computer science education by making it available in more schools, and increasing participation by women and underrepresented students of color. The Code.org vision is that every student in every school should have the opportunity to learn computer programming.

