

# Bring Computer Science To Your School with Code.org

## Why Computer Science?

Computer Science is foundational to a liberal arts education for all careers.

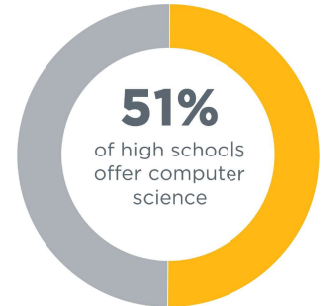
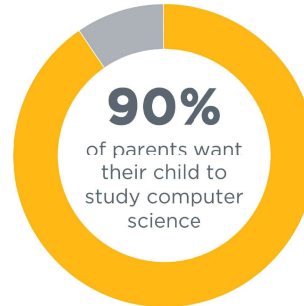
### Students love it!

- Students rank CS as their third favorite subject behind the arts
- CS has climbed to the 4th most popular STEM major for college-bound students

### CS Opens up Future Opportunities

- Recent research shows that CS students outperform in reading, writing, math, science, and are more likely to enroll in college
- Computing jobs are the best-paying, fastest-growing, largest sector of new wages

### Parents want their children to learn CS



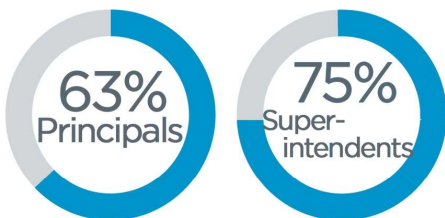
Over 90% of parents also consider CS equally or more important than math, reading, science, history or other academic subjects

## A Complete CS Solution Supported by Local Organizations



**“Code.org is a one-stop shop for coding in schools. Most importantly, teachers don't need computer science degrees to facilitate the coursework.”**  
-Common Sense Education

### The Need for Teachers



report having no teachers with the necessary skills to teach CS in their school or district.

### A Complete, Proven Program

Code.org provides a complete CS program combining open source K-12 curriculum with professional learning, which consistently gets high ratings from teachers.

### No Need to Hire

There is no need to hire specialists to teach CS. Our program is uniquely designed to support teachers new to CS while offering the flexibility to evolve lessons to fit student needs.

### Local Knowledge, Support

Work with a local Code.org partner organization that understands your needs and community to bring CS to your school.

### Effective in Diverse Districts

The Code.org program has been proven effective in major urban school districts such as L.A. and Dallas to small rural districts in Iowa. It is the leading K-12 CS curriculum in the U.S.



## ESSA Aligned Professional Development

The Code.org program meets the **six key criteria** for professional development outlined in the **Every Student Succeeds Act (ESSA)**

### Sustained

Code.org's program begins with an intensive five day workshop followed by a set of regularly scheduled follow-up sessions delivered throughout the academic year.

### Intensive

The initial workshop engages teacher cohorts in roughly 40 hours of structured, focused learning. The curriculum and learning tools are then reinforced throughout the year.

### Collaborative

The program's team-based learning, peer-networks, and online forums allow educators to collaborate and learn from each other.

### Job-embedded

The learning program provides educators tools and support throughout the academic year and within the course to help them navigate the curriculum in their day-to-day teaching.

### Data-driven

The structured curriculum and teaching practices are built on research-based foundational concepts. Continual feedback data drives personalization and program evolution.

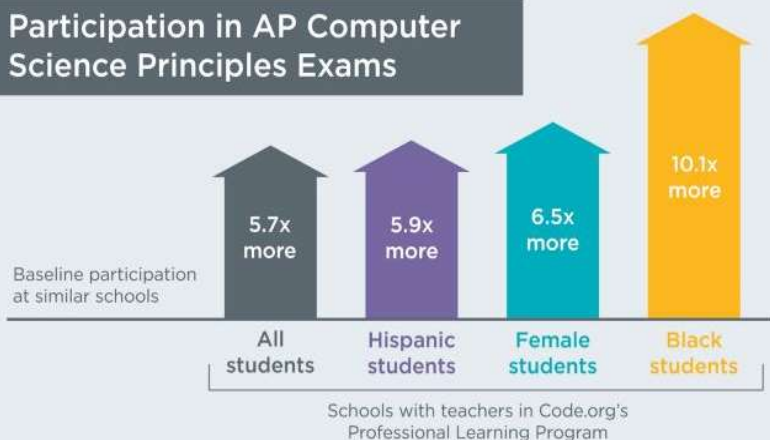
### Classroom-focused

Modeling a student-centered, hands-on approach, the Code.org program equips educators with actionable and practical strategies that inform daily classroom instruction.

**“Teachers and staff on the Code.org forum have helped me come up with projects, share lessons & assessments, give advice, share incredible student work and classroom stories, and offer support.”**

**-Carrie Petti, Rhode Island**

### Participation in AP Computer Science Principles Exams



### Proven Academic Success

Research shows that compared with similarly-situated schools, a school's **participation in the Code.org program caused an estimated five-fold increase in the number of students that take and earn qualifying scores on the AP Computer Science Principles exam.** These schools also saw a ten-fold increase in the number of Black students that took and earned qualifying scores on the exam.

# A Pathway for K-12 Computer Science Curriculum

Middle School			High School			
6	7	8	9	10	11	12
			<h2>[AP] Computer Science Principles</h2> <p>More than a traditional introduction to programming, this higher level course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world.</p>			
			<h2>[AP] Computer Science A</h2> <p>This curriculum introduces students to software engineering and object-oriented design while learning the Java programming language. The Code.org CSA curriculum is recommended for students who have completed an introductory course, such as CS Principles or CS Discoveries.</p>			
<h2>Computer Science Discoveries</h2> <p>An introductory course that empowers students to engage with computer science as a medium for creativity, communication, problem solving, and fun. The curriculum can be taught as a semester or full-year course.</p>						
Elementary School						
K	1	2	3	4	5	
<h2>Computer Science Fundamentals</h2> <p>Designed to be fun and engaging, Code.org's progression of Computer Science Fundamentals courses blend online and "unplugged" non-computer activities to teach students computational thinking, problem solving, programming concepts and digital citizenship.</p>						

“There is just enough structure to help students be successful CS learners while being given the opportunity to be creative and have choice about their learning.”

-Cheryl Angel, Ohio