# Code.org Computer Science Fundamentals

**Why Computer Science?** Every 21st-century student should have the opportunity to learn computer science. The basics help nurture creativity and problem-solving skills and prepare students for any future career.

## Why teach computer science in elementary school?

Code.org has developed elementary school curriculum that allows even the youngest students to explore the limitless world of computing. Courses blend online, self-guided, and self-paced tutorials with "unplugged" classroom activities that require no computer.

## Code.org's Computer Science Fundamentals consists of six courses aligned to grades K-5

| Kindergarten | 1st Grade | 2nd Grade | 3rd Grade | 4th Grade | 5th Grade |
|---|---|---|---|---|---|
| Course A | Course B | Course C | Course D | Course E | Course F |
| Pre-Reader Express Course | | Express Course | | | |

For students new to computer science, each course begins with a grade-appropriate entry point and structured ramp-up of concepts. The progression of Courses A-F builds upon each other to ensure continuing students stay interested and learn new things. Students create computer programs that will help them learn to collaborate with others, develop problem-solving skills, and persist through difficult tasks. They will study programming concepts, computational thinking, digital citizenship, and develop interactive games or stories they can share.

# Professional Development for Teachers

## High-quality, professional development workshops, free of charge

Code.org is hosting no-cost, one-day workshops for K-5 educators interested in teaching computer science. Workshops will cover Courses A-F and offer supplies needed to teach the course.

Tens of thousands of teachers have participated and rate our workshops 4.8 on a 5 point scale. The majority say, **"It's the best professional development I've ever attended."**

## What's in a workshop?

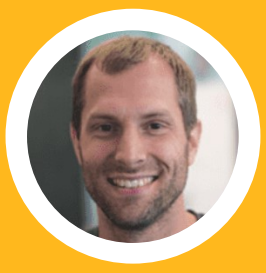
In-person instruction from an experienced computer science facilitator, including an intro to computer science, pedagogy, overview of the online curriculum, teacher dashboard, and strategies for teaching "unplugged" classroom activities.

You'll receive (at no cost): printed curriculum guide, certificate of completion, classroom supplies for the unplugged lessons, and fun Code.org swag!

## Still not convinced? Take it from our teachers!

With our partners across the country, we've helped prepare nearly 59,000 educators to begin teaching computer science in their classrooms. And they all say the same thing! This workshop is worth it.

"I can't think of anything that would improve this workshop. The workshop facilitator was very professional. **This is by far the BEST workshop I've ever attended!"**



"**This will totally change my curriculum.** I love how the lessons are prepared and aligned to the Common Core and Next Generation Science Standards"

We want to make sure that all teachers have the same access to our workshops. If there's no workshop in your area, many of our facilitators are happy to work with you to organize a training at your school. And you can always try one of our online, self-paced courses on your own!

**To learn more and find a workshop today, visit: http://code.org/professional-development-workshops**

**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 female and underrepresented minority students. The Code.org vision is that every student in every school should have the opportunity to learn computer programming.