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 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, computation thinking, digital citizenship, and develop interactive games or stories they can share.

Computer Science Fundamentals Workshop for K-5 Teachers

Are you an elementary school teacher interested in teaching computer science? Learn how you can bring this fundamental subject to your school with a no-cost, one-day workshop from Code.org and your Regional Partner!

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.

What you'll get from this workshop (at no cost to you):

- a printed curriculum guide containing course lesson plans
- a certificate of completion
- a bag of Code.org swag

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

Still not convinced? Take it from our teachers!

With partners across the country, Code.org has helped prepare nearly **80,000** K-5 educators.

"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!"