

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 Computer Science in elementary school?

Code.org 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.



"The code.org training was highly engaging, hands-on, and detailed the entire process from teacher and student perspectives. I did not want to stop exploring the possibilities!"

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.

To learn more and schedule a workshop at your school email Larry.Plank@sdhc.k12.fl.us

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.



In Partnership
with Code.org®



Code.org Computer Science Discoveries

What is CS Discoveries? (6-8th grade)

Computer Science Discoveries (CS Discoveries) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. The Tampa Bay STEM Network in support with Code.org and Hillsborough County Public Schools schedules workshops throughout the year to support teachers using the curriculum regardless of computer science background.

2018-2019 Workshops August 25 | September 22 | December 1 | February 2

Participants attend a series of "just-in-time" workshops each quarter hosted by the Tampa Bay STEM Network. Held on Saturdays, these workshops are run by local Code.org-trained facilitators, Jennifer Brown and Joe Simmons. They focus on the essential elements of the course, such as teaching new content, keeping the classroom environment equitable and engaging, and continue to build pedagogical strategies. Teachers are expected to attend all dates. Hospitality is provided.



To learn more about supporting Computer Science in Florida visit
<https://code.org/advocacy/state-facts/FL>

Code.org Computer Science Principles

What is AP CS Principles? (9-12th grade)

Computer Science Principles is a course designed to prepare students (and teachers) who are new to computer science for the AP CS Principles exam. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The Tampa Bay STEM Network in support with Code.org and Hillsborough County Public Schools schedules workshops throughout the year to support teachers using the curriculum regardless of computer science background.

2018-2019 Workshops August 25 | September 22 | October 20 | February 2

Participants attend a series of "just-in-time" workshops each quarter hosted by the Tampa Bay STEM Network. Held on Saturdays, these workshops are run by local Code.org-trained facilitators, Heather Hanks and Michelle Moore. They focus on the essential elements of the course, such as teaching new content, keeping the classroom environment equitable and engaging, and continue to build pedagogical strategies. Teachers are expected to attend all dates. Hospitality is provided.

For additional information, including course overviews, FAQs, and more, visit:

Professional Learning Program: <https://code.org/professional-learning>

CS Discoveries: <https://code.org/csd>

CS Principles: <https://code.org/csp>