

Why sign up for Computer Science Principles?

We use the Internet, social media, smart devices, and other technology every day. Wouldn't it be cool to learn how they *really* work?

No experience needed

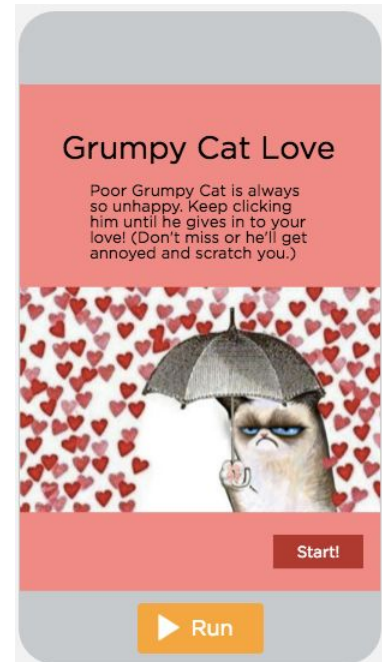
No matter how much or how little you know about technology, CS Principles will give you the skills you need to navigate the high-tech world we live in.

What will you learn in CS Principles?

- How people are using computer science to change the world with breakthroughs in every field—**from medicine to music, from fashion to business**
- How apps and websites like Instagram and Tumblr actually work
- The benefits and downfalls of living in an increasingly online world

Work on projects you care about

CS Principles allows you to express your thoughts and opinions while collaborating with your friends to build projects. You'll create apps that you can share with anybody, and develop and pitch innovative solutions to everyday problems.



Complete exciting projects over the course of two semesters!

Apps

- Learn to program in the JavaScript language with turtle programming in Code.org's App Lab
- Using the general principles of algorithms and program design, you'll create a series of real working apps that you can share with your friends!

The Internet

- Explore the Internet and its layers as you learn about the challenges of supporting a giant network like the world wide web
- Solve problems about encoding and transmitting data using Code.org's Internet Simulator

Data

- Learn the basics of how and why modern encryption works
- Learn how big data is changing our world

