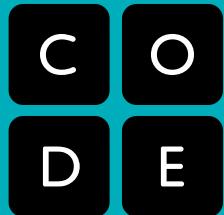


What do you want to make?



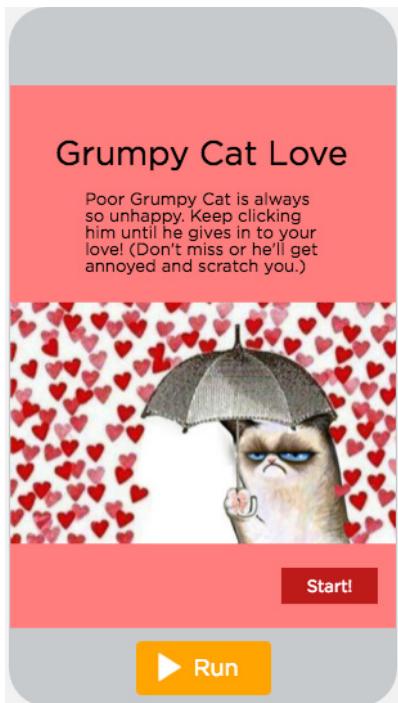
Madison Maxey,
founder of
The Crated,
**a smart-fabric
technology**
company

**Enroll in
Computer Science Principles**



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, fashion to business
- How apps and websites like Instagram and Tumblr actually work
- The benefits and downfalls of living in an increasingly online world
- How to collect, understand, and tell a story with data

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
- Use Code.org's App Lab environment to create a series of applications that live on the web
- Learn general principles of algorithms and program design that are applicable to any programming language

The Internet

- Solve problems and puzzles about encoding and transmitting data using Code.org's Internet Simulator
- Design your own versions of protocols in a process that mimics the layered sets of protocols on the real Internet

Data

- Use a variety of digital tools to look at, generate, clean, and manipulate data
- Learn the basics of how and why modern encryption works
- Learn how big data is changing our world