



Course Description

Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off!

Building on the prior prerequisite course, expand your knowledge of programming languages and web development in Middle School Coding 1b by further exploring Python, HTML, CSS, and JavaScript. Analyze the differences between web development and web application development, while growing your portfolio, which will serve to highlight everything you have learned and created in the course.

MS Coding 1a and 1b are each semester-long courses consisting of 6 units.

Course Overview

Coding 1a:

- Crack the Code!
- There's Nothing "Soft" about Software!
- Let's Play!
- It's All Greek to Me!
- Snake Charmer
- Flexing Our Python Muscles!

Coding 1b:

- How to Train Your Python
- Plan the Code, Code the Plan
- Build a Web Page
- Give Your Web Page Some Style
- Buttons and Gadgets
- Become a Master Exterminator!

Required Course Materials

Please access the list of course materials from the OC Online book ordering system and order your materials as soon as possible. Oftentimes, course materials are on back order and you may experience a delay in receiving them, causing students to fall behind in their online coursework. When ordering used or rented materials, be careful that online access codes are also current.

Methods of Evaluation

Students will demonstrate mastery through the following formative and summative assessments:

- 40% Assignments
- 10% Participation (Discussion Posts, Live Classes)
- 10% Quizzes
- 25% Final Assessment
- 15% Midterm

Additional Course Information

Detailed information regarding OC Online policies on proctored final exams, grading policy, late/missing assignment policy, weekly live classes, course expectations, and additional school policies can be found on the website.