

Web Development 1

Intro to HTML, CSS, & JavaScript

AGES 11-14 | **1 WEEK** | Monday - Friday: 9-3:30

Location

Vienna, VA - The Lab

\$499 | Bring your Snacks



There are over a billion websites on the Internet, yet only a handful are widely visited. What makes these few, like Google and YouTube, so popular? The simple answers are usability, utility, and engagement. In Web Development I, students learn how to think like web developers. By utilizing industry standards programming languages like HTML, CSS, and JavaScript, students learn how to format code and where to place the main features of a web page to attract and hold users' attention.

The course begins by teaching HTML and CSS, so students can start building their websites right away. Students move on to learn best design practices, how to develop a site that meets the demands of a variety of users, and the basics of JavaScript. At the end of the course, students will have created their own engaging, functional website built with all three fundamental coding languages.

main topics

- ✓ Web Design Principles
- ✓ Design Theory
- ✓ HTML and CSS Fundamentals
- ✓ Core Programming with JavaScript
- ✓ Website Design

projects

- ✓ Keeping a design journal
- ✓ Creating an interactive website
- ✓ Building a dynamic, web-based Mad Libs program
- ✓ Creating a program using JavaScript that asks the user for input
- ✓ Coding a program with JavaScript that animates a story the student has written
- ✓ Designing an advanced website that is mobile friendly and includes advanced JavaScript
- ✓ Building a user-friendly e-commerce website



Web Development 1 Immersive

camp overview

Design Challenge

Students learn the fundamentals of design thinking by working together to come up with a creative solution to a problem.

Web Design Foundations

Students learn the key elements of developing and designing a website with HTML and CSS.

Final Project

Students create a functioning website with buttons using HTML, CSS, and basic JavaScript.

Final Project Presentations

Location

The Vienna Lab

Ayr Hill Court, 112 Church St NW
Vienna, VA 22180

M-F 09:00 am - 03:30 pm

What to bring: Lunch (unrefrigerated)

daily schedule

09:00 AM | Intro + Kickstart Activity

09:30 AM | Explain and Explore

10:00 AM | Engagement Activity

12:00 PM | Lunch

12:30 PM | Project Time

02:00 PM | Paired Programming + Presentations

03:00 PM | Wrap-Up Activity

03:30 PM | Dismissal

Contact Us

info@generationcode.com

(866) 407-2345