

Responsive Websites

Difficulty: This course assumes some coding experience in HTML and CSS and for those who have completed the Intro to Websites course.

Objective: To teach students how to code their own websites. Students will learn to code using the framework Bootstrap making their website responsive (adapts to mobile and tablet devices).

Assessments: There's a 5 question quiz at the end of each Lesson. After students complete quiz with 100% correct the next lesson will become available. There is one timed tests taken in Lesson 11.

Uploads: Students upload their JavaScript practice page after lesson 7. Students upload their responsive website in Lesson 11.

This course is ~25 hours of content + Final Project.

Lesson Plan:

Lesson 1: Bootstrap CSS making websites mobile friendly (responsive)!

Lesson 2: Creating your own logo and menu bar using responsive CSS.

Lesson 3: Responsive form inputs including drop down menus, radio buttons and text boxes.

Lesson 4: JavaScript functions, variables and troubleshooting using the console!

Lesson 5: JavaScript If statements, operators & writing HTML with JavaScript! Cycle through images/text using buttons.

Lesson 6: JavaScript While Loops and For loops, how they count for you!

Lesson 7: JavaScript Arrays, using push, pop and length! Combining loops with arrays.

Lesson 8: JavaScript Objects & attributes. Changing HTML using JavaScript with the click of a button!

Lesson 8: Using JavaScript to validate form fields! Showing error messages!

Lesson 9: Using JavaScript to post user input from text fields, radio buttons and drop downs!

Lesson 10: Using the JavaScript splice command to remove comments on your website!

Lesson 11: Add your Lesson to your coding portfolio, Start Final Project!

Portfolio: Upload your website live on the web!

For their final project students create a portfolio website as a place to put anything they create. It will become something they can take into a job interview with them and show their work.

Example: <https://studentportfolio.github.io>