

### **Beginner Course Syllabus - HTML, CSS & jQuery**

The course **aims** to provide a basic overview of the technologies used in web development, along with the tools and resources to discover more.

Sessions will be as **hands-on and practical** as possible and all students are expected to create a website as part of their course. You can see example of projects completed by previous students on the professionals course [here](#) and answers to other FAQs [here](#).

The course syllabus is laid out below.

#### **Pre-course Preparation: Welcome**

- Welcome to web dev & Code First: Girls community
- Basic intro to web languages with mention of HTML, CSS, jQuery & how they are related (i.e. web pages & web servers)
- Introduction to the tech community, resources & how to study, developer news

#### **Session 1: Getting going + HTML**

- Software installation troubleshooting
- Intro to webpages & web servers
- Creating a HTML page
- HTML syntax - use a demo to talk through it

#### **Session 2: CSS**

- CSS, Selectors and Attributes, Stylesheets
- Competition introduction

#### **Session 3: GitHub & the Command Line**

- How to use GitHub - what is version control? & Q&A (basic concepts, commits, pulls, forks, etc) (10 mins)
- GitHub Pages, hosting your website
- Introduction to the Command Line

#### **Session 4: Recap & basic development concepts + Course competition**

- Recap HTML & CSS, web servers & URL
- Introduction to frameworks & libraries
- What is an API? How is it different from a Framework?
- Course competition: Start working on your websites!

**Session 5: Bootstrap**

- Using Twitter Bootstrap to improve presentation of webpages
- Homework: make your website responsive

**Session 6: JavaScript & jQuery**

- Basic JS + resources for JS
- jQuery: what? - talk about how it's different from JavaScript
- Manipulating CSS with jQuery + AJAX(?)

**Session 7: Plugins, website metrics, hosting & Working on projects**

- Metrics: Google Analytics, Google Forms
- CloudFlare, domain names & CNAME
- (Optional): External APIs - Twitter, Facebook -
- Work on group projects for the CF:G Competition

**Session 8: Course Competition: Presenting final projects**

- Finalising project websites.
- Group presentations, with instructors to choose a winner and announce it at the end of the session.

### Course competition Guidelines

The CF:G competition is a chance for students to put into practice the skills learnt on the course. Students can work individually or in groups of 2-3 to create a landing page for a website. Aim to form teams by Week 3.

The criteria for the competition are here:

- A visually appealing design - good use of CSS and HTML elements, Twitter Bootstrap
- Good formatting
  - Code split into the appropriate files
  - Files indented properly
- A live website (Github page, Heroku or own domain)
- Extras e.g:
  - A contact form (for example name and email)
  - Social buttons
  - Widgets
  - As many different HTML elements you can manage

Interactive elements (like forms) on the website don't need to be functional, but should be present if they need to be for the visual aspect of the design.

- (optional) Good organisation
  - Version control using GitHub
  - Sensible commit messages

**Some of the winning entries from last term's competition can be found [here](#).**

There'll be prizes of Amazon vouchers for the winning team and a chance to be pitched alongside the winning entries from courses around the U.K. for a grand prize.