

New beginners course curriculum SS 2018			
Week		Topic	key achievements during each session
Week 1 (covering Part 1)		Introduction to web development and the Internet / Getting going / HTML	
(36 slides)		Welcome, course overview and introductions	Create first HTML file
		Installations: Atom, Google Chrome, GitHub desktop client, GitHub account, download course documents onto your desktop	
		Introduction to coding	
		What is coding?	
		Getting going & HTML	
	Chapter 1	What is the internet and how does it work?	
	Chapter 2	How does the web work?	
		Static vs dynamic sites	
		Server-side technologies	
		Putting up a website	
	Chapter 3	What makes a website?	
		The website folder / components of a web page / Google dev tools	
	Part 1	HTML	
	Chapter 4	Creating a basic HTML page	
		Creating a coding_course folder	
		Hello world!	
		Why index.html?	
	Chapter 5	HTML Basics (HTML Dom)	
		Elements, Tags & Attributes	
		Good code practice	
		Demo: HTML syntax (Codepen)	
		Task: GitHub resources about learning html	
		Markdown cheatsheet	
		Tasks	
Homework:		Finishing tasks from this week, preparing for next week's class (5 mins)	
		Extra resources	
Week 2 (covering part 2)		Cascading Style Sheet (CSS)	
(31 slides)		Recap from week 1: HTML (20 mins)	Create first CSS file and link HTML file to it
	Chapter 6	What is CSS?	
	Chapter 7	Linking your CSS and HTML code	
		Linking to a separate CSS file in the <head>	
		More about the HTML <link> Tag	
	Chapter 8	Writing CSS & basic definitions	
	Chapter 9	Selectors and Attributes	
	Chapter 10	Using the ID and class selectors	
	Chapter 11	The Universal Selector	
	Chapter 12	HTML <div> and 	

Homework:		Finishing off tasks in class; more HTML & CSS exercises	
After week 2's class		Course social	
Week 3 (covering parts 3 & 4)		Recap / Frameworks / UX / Course competition criteria	
(22 slides)		Recap HTML & CSS, webserver & URL (20 mins)	Get into project teams
Part 3	Chapter 13	User Experience	Have designed initial plan for website
		What we will learn	Start your project HTML and CSS and save to desktop (either during class or homework)
		What is User Experience?	
		What UX is not	
		Who is responsible for UX?	
		Why does UX matter?	
	Chapter 14	UX and Analytics	
Part 4	Chapter 15	Course competition arrangements and criteria (15 mins)	
Homework:		Review what we've learnt this week / Start working on your websites!	
Week 4 (covering curriculum part 5)		GitHub, Version Control, Git	
(63 slides)		Recap of weeks 1-3 (20 mins)	Create your GitHub account
	Chapter 16	Version Control & Using GitHub	Create your project repository
	Chapter 17	Create your group repository	Add your teammate(s) as collaborator(s)
	Chapter 18	Publishing on GitHub Pages	Upload your project files (HTML / CSS) from week 3 to your repository and synch across teams
		How Github Pages Works	
	Chapter 19	Conflict scenario!	
		How to avoid and reduce merge conflicts	
Homework:		Create GitHub repository for the course project	
Week 5 (covering curriculum part 6)		Bootstrap	
(63 slides)		Revision of GitHub (20 mins)	Identify one Bootstrap function you want to include in your website design
	Chapter 20	- What's hard about CSS?	
		What else is hard about CSS?	
	Chapter 21	Bootstrap	
		Responsive design	
		Getting started with Bootstrap	
	Chapter 22	Bootstrap layout	
		The essence of Bootstrap	
		Bootstrap layout	
		Page margins	
		Columns	
	Chapter 23	More Bootstrap	
		Typography	
		Blockquotes	
		Lead body copy	

		Badges and Buttons	
		Success button	
		Social links buttons	
		Images	
		Responsive images	
		Round images	
		Center text	
		Making a stripy table	
	Chapter 24	Modifying Bootstrap	
		Sam's Samies solution	
		Even more awesome stuff	
Homework:			
Week 6 (covering curriculum part 7)		JavaScript and JQuery	
(32 slides)		Recap of previous week (20 mins)	
	Chapter 25	Javascript Preamble	Nice to have: Identify one jQuery function you want to include in your website design
		How JavaScript Came About	
		But wait! What even is Programming?	
	Chapter 26	Getting started with JavaScript & jQuery	
		So... how do I start using JavaScript?	
		And what is jQuery?	
		Getting jQuery into your website	
		Using jQuery to manipulate CSS	
Homework:			
Week 7 (covering curriculum part 8)		Course competition work / feedback / questions / optional extras	
(22 slides)		Recap of previous week	
		Recap of course competition criteria	
		Any questions?	
		Working on websites in class, troubleshooting, asking questions	
		Students choose a couple of subjects from: Google Analytics, Google Forms, domain names for GitHub pages	
	Chapter 27	Google Analytics	
	Chapter 28	Google forms	
	Chapter 29	Domain names for GitHub pages	
	Chapter 30	HTML DOM	
	Chapter 31	Interacting with APIs, working with company APIs	
30 mins for a couple of these subjects			
Homework:		Finishing off: Plug-ins / APIs / AJAX, working on group projects. Further resources	
Week 8		Course Competition: Presenting final projects	
(no slides)		Spend the first 30 minutes finalising project websites.	
		Spend at least 1 hour on group presentations (5-10 mins/group).	
		Instructors to choose a winner and announce it at the end of the session.	

Appendix		Awesome features of Bootstrap	
		Some ideas for jQuery	
		Next steps: continue your learning	
		Further Resources - HTML	
		Further resources - CSS	
		Further resources - Github	
		Further resources - Git	
		Further Resources - Bootstrap	
		Further Resources - jQuery	
		Thanks and goodbye. Don't forget to keep in touch with CodeFirst:Girls and tell them what you do with your new-found skills!	