ScriptEd >_

Foundations Syllabus 2016-2017

Instructors

ScriptEd instructors are professionals from the tech industry that have been trained on effective teaching practices. Instructors teach for ScriptEd on a volunteer basis.

What is ScriptEd?

This course is a yearlong introduction to applications of computing and computer science. In this course, you will learn the fundamentals of HTML, CSS, and JavaScript. You will gain the skills you need to build your own interactive website and even create your own games!

Expectations

- All students are expected to be respectful, curious, and hard working. Ask questions when you need help!

- Your attendance, participation, projects and homework all affect your grade. It is important to stay on track.

Professional Opportunities

As a ScriptEd student you are eligible to attend and/or apply for opportunities such as summer camp, paid summer opportunities, internships & advanced ScriptEd courses

Hackathons

Throughout the year, there will be several ScriptEd Hackathons. During the Hackathon, you will compete in teams against other schools for fabulous prizes. Some would consider Hackathons to be the most exciting part of ScriptEd!

OVERVIEW

Unit	Topics covered
Unit One: HTML Content	Computational thinking, HTML page structure
Unit Two: CSS Tag Selectors	Page styling
Unit Three: HTML IDs & Classes	Identifying webpage elements
Unit Four: Layout and Wireframing	Designing a webpage
Unit Five: jQuery	Creating interactive websites
Unit Six: IDE Setup	Working in professional coding environments
Unit Seven: GitHub Collaboration	Collaborating with others
Unit Eight: JavaScript Intro	Programming in JavaScript
Unit Nine: JavaScript var, if & strings	Conditionals, variables & strings
Unit Ten: JavaScript functions	Using functions in your JavaScript
Unit Eleven: JavaScript Math & Arrays	JS Math Library and creating arrays
Unit Twelve: JavaScript Animations	Motion and collision
Unit Thirteen: JavaScript Loops	Repeating code created
Unit Fourteen: Capstone project	Create your own JavaScript Video Game