

The basics of the language will be covered in the first week.
In the second week, students will start learning how to interact with the DOM.
Each lesson will feature an end-of-class quiz with prizes for the top students.

Lesson #	Date	Contents
1	July 29 th , 2019 Monday	Intro to JavaScript <ul style="list-style-type: none">- Setting up an IDE (VSCode)- Installing NodeJS- Keywords- Operators- Variables and Scope (const, let, var)- Data Types- Strings (Concatenation and Template Variables)- 'use strict';- Using documentation (MDN)
2	July 30 th , 2019 Tuesday	Loops <ul style="list-style-type: none">- while, for- for .. in (and why to use for .. of instead)- for .. of- do .. while- forEach Conditionals and Scope <ul style="list-style-type: none">- == (abstract comparison) vs === (strict comparison)- Truthy and falsy values- Ternary operator
3	July 31 st , 2019 Wednesday	Objects and Arrays <ul style="list-style-type: none">- Array methods- Object methods<ul style="list-style-type: none">- Creating objects- this keyword Functions <ul style="list-style-type: none">- Callbacks- Arrow Functions- IIFEs- Pass by value / Pass by reference
4	August 1 st , 2019 Thursday	Classes <ul style="list-style-type: none">- Classes vs. Objects (Reusability, reduction of boilerplate)- Principles of OOP

		<ul style="list-style-type: none"> - Constructors - Getters/setters - Class methods and properties
5	August 2 nd , 2019 Friday	Asynchronous Behavior <ul style="list-style-type: none"> - Callbacks - Promises - async/await - Parallelism (Promise.all) - Timeouts
6	August 5 th , 2019 Monday	Scripts <ul style="list-style-type: none"> - Using external files - Modules and global scope <ul style="list-style-type: none"> - import / export - Dynamic imports Working with the DOM <ul style="list-style-type: none"> - Alert, Prompt, and Confirm - Local storage - Fetching elements - Modifying element attributes - Debugging with the Developer Console and the console object - Using documentation (W3S) Exercises <ul style="list-style-type: none"> - What's your name? <ul style="list-style-type: none"> - Saving names in local storage - Hangman using browser prompts <ul style="list-style-type: none"> - Implementing UI
7	August 6 th , 2019	Interactivity and Events <ul style="list-style-type: none"> - Buttons - Element changes (sliders) Exercise <ul style="list-style-type: none"> - Improving Hangman game from last class - Rock-Paper-Scissors - Cookie Clicker
8	August 7 th , 2019	Interacting With APIs <ul style="list-style-type: none"> - Forms

		<ul style="list-style-type: none"> - Making requests with the fetch API - CORS and Headers - REST <p>Exercises</p> <ul style="list-style-type: none"> - Google Search app - Weather app
9	August 8 th , 2019	<p>Working with servers</p> <ul style="list-style-type: none"> - Create a chat app
10	August 9 th , 2019	<p>Final Test</p> <ul style="list-style-type: none"> - Covers all topics from lessons #1 - #9 <p>Final exercise, just for fun</p> <ul style="list-style-type: none"> - Making a game with HTML5 Canvas