

7 Day Free Javascript Crash Course

7 Classes - 14 Hours

Day 1 - Into the World of Javascript (2 Hours)

- Course Overview
- Intro to Javascript
- History of Javascript
- Environment Setup
- Intro to variables
- Declaring variables
- The 'var' keyword
- Modern variable declaration in ES6 (Let & Const)
- Why use Let & Const over Var
- How Const improves your code
- How variables should be named
- Day 1 Challenges

Day 2 - Javascript Syntax & Operator (2 Hours)

- Introducing Numbers
- NaN & Infinity
- Unary operators
- Mathematical operators
- Operator precedence in Javascript
- Booleans Intro
- Strings
- String Indices
- String Methods
- Null & Undefined
- The Math Object & Random Numbers
- typeof operator
- Day 2 Challenges

Day 3 - Logic & Flow Control in Javascript (2 Hours)

- Making decisions in Javascript
- Comparison Operators
- Double Equals (==)
- Triple Equals (===)
- If statements
- Else If
- Else
- Nesting Conditionals
- Truthy & Falsy values
- Logical And (&&)
- Logical Or (||)
- Not Operator (!)
- The Switch Statements
- Ternary Operators
- Day 3 Challenges

Day 4 - Arrays & Collection in Javascript (2 Hours)

- Creating Arrays
- Array Indices
- Modifying Arrays
- Push & Pop
- Shift & Unshift
- Concat
- Includes and Indexof
- Reverse & Join
- Slice
- Splice
- Sorting with Arrays
- Using Const with Arrays
- Working with Nested Arrays
- Day 4 Challenges

Day 5 - The world of Loops & Function (2 Hours)

- Intro to Loops
- For Loops
- For Loops & Arrays
- Nested For Loops
- While Loops

- Break Keyword
- Intro to Function
- Function in Action (Dice Roll)
- Introducing Arguments
- Function with multiple arguments
- The Return Statement
- More Function Example (Password Validator)
- Day 5 Challenges

Day 6 - DOM Manipulation in Javascript (2 Hours)

- Introduction to the DOM
- How DOM can be useful
- DOM Example
- The Document Object
- getElementById
- getElementsByTagName
- getElementsByClassName
- querySelector & querySelectorAll
- Working with innerText & innerContent
- innerHTML
- Getting & Setting Attributes
- Changing Multiple Elements
- Manipulating Classes
- Day 6 Challenges

Day 7 - Project Day (2 Hours)

- Revision of previous lessons
- Create a Simple Bank Dashboard using Javascript
- Project Submission for students
- Course End