

# JAVASCRIPT PROFESSIONAL DEVELOPER COURSE SCHEDULE

## Course Schedule: JavaScript Fundamentals

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### Week 1: Introduction to JavaScript and Basics

#### Monday:

- **Module 1: Introduction to JavaScript**
  - Overview of JavaScript
  - Basic Structure of JavaScript Programs

#### Tuesday:

- **Module 2: Data Types and Variables**
  - Overview of the eight data types
  - Differences between var, let, and const

#### Wednesday:

- **Module 3: Operators**
  - Arithmetic Operators
  - Comparison Operators

#### Thursday:

- **Module 3: Operators (cont'd)**
  - Logical Operators
  - Ternary Operators

#### Friday:

- **Module 4: Functions**
    - Function Declarations
    - Introduction to Arrow Functions
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### Week 2: Functions and Control Flow

#### Monday:

- **Module 4: Functions (cont'd)**
  - Function Execution and Return Values
  - Default Parameters

*\*Students will receive a certificate of completion upon successful completion of this course.*



**Tuesday:**

- **Module 4: Functions (cont'd)**
  - Callback Functions

**Wednesday:**

- **Module 5: Control Flow**
  - Conditional Statements (if, else if, else)

**Thursday:**

- **Module 5: Control Flow (cont'd)**
  - Switch Statements
  - Boolean Values

**Friday:**

- **Module 5: Control Flow (cont'd)**
    - Checking for Null and Undefined
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**Week 3: Scope, Arrays, and Loops**

**Monday:**

- **Module 6: Scope**
  - Understanding Scopes (Global, Function, Block)

**Tuesday:**

- **Module 6: Scope (cont'd)**
  - Good Scoping Practices

**Wednesday:**

- **Module 7: Arrays**
  - Creating and Modifying Arrays

**Thursday:**

- **Module 7: Arrays (cont'd)**
  - Accessing and Modifying Elements
  - Combining Arrays

**Friday:**

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- **Module 7: Arrays (cont'd)**
    - Array Length and Nested Arrays
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## **Week 4: Loops, Iterators, and Objects**

### **Monday:**

- **Module 8: Loops**
  - Types of Loops (for, while, do...while)

### **Tuesday:**

- **Module 8: Loops (cont'd)**
  - Control Statements (break, continue)
  - Nested Loops

### **Wednesday:**

- **Module 9: Iterators**
  - Array Iterators (for Each, map, filter, reduce)

### **Thursday:**

- **Module 10: Objects**
  - Creating Object Literals
  - Accessing Properties (Dot Notation vs. Bracket Notation)

### **Friday:**

- **Module 10: Objects (cont'd)**
    - Nested Objects
    - Identifying Undefined Objects
    - Spread Operator and Destructuring
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## **Course Conclusion**

- **Final Project:** Overview and project assignment.
- **Review and Q&A:** Address questions, clarify concepts, and discuss project expectations.

This schedule allows for focused learning each week while providing ample time for practice and application of concepts.

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