**JubbyTech Academy**

**JavaScript Course Outline**

**DAY 1**

• Introduction to JS (Java Vs JavaScript)

• Brief History of JavaScript

• Versions of JavaScript

• Adding or Linking JS to your page

• Your First Hello word

• JS Datatypes

• JS Variables (Introduction)

• Operators

• Inputting/ Outputting

**Exercise 1:**

• Go back and digest all that has been done.

• Research on JS Array

• JS Loops

**DAY 2**

• Array

• Loops (While, Do-While, For Loop)

**Exercise 2:**

• Write a program to output 2X to 12

• Research on Functions in JS

**DAY 3**

• Function (Regular Function, Arrow Function, IIFE, Function Declaration/ Expression)

• Function with Parameters

**Exercise 3:**

• Convert all the previous lessons to small functions

• Write a function that takes up 3 numbers, multiply the first number with the second and divide it by the third.

• Research on function return statement.

**DAY 4**

• If Statement

• If Else Statement

• Switch Statement

• Ternary Statement

• Working with JS Prompt ()

• Document. Write ()

**Exercise 4:**

• Write a program that prompts users to enter the name of a fruit they want to buy. When they enter, show them the price of the fruit entered.

**N/B:** You can only stock 10 fruits.

Be sure to handle fruits you do not have.

Research on precedent table and type coercion.

**DAY 5**

• Truthy/ Falsy Values

• Type Coercion/ Casing

• Nested If Statement

• If Statement with Multiple Conditions

• Scoping

**Exercise 5:** Date/Time Function

**DAY 6**

• Introduction to JS Date/ Time

• Math Functions

**Project 1:**

Digital Clock

**Exercise 6:**

• Digital Clock perfection

• Research on Objects in JS

**DAY 7**

• Introduction to Object

• Object Initialization

• The THIS Keyword

**Project 2:**

Person Object

**Exercise 7:**

• A Counter Object

• Research on Function Constructor

• Document Object Module (DOM)

**DAY 8**

• Document Object Module (DOM)

• Introduction to DOM

• Element Selectors

• Event Handlers

**Project 3:**

• The RGB colors website

• Mobile Navigation bar toggling

**Final Project**

• Analogue Clock

• Simple To Do App

• Signup/ Login Forms

• Background Image Slider

• Weather App