

The JavaScript For Developers training course starts with core concepts and takes you step-by-step through the process of creating richer, more dynamic client-side Web pages using JavaScript. Expert instructor Campbell Gunn combines information usually found only in multiple reference sources into this concise course. At the conclusion of this course you'll understand how to effectively use JavaScript to develop interactive client-side Web pages.

## **Session 1**

### Section A: Introduction

- Origins of JavaScript
- JScript
- JavaScript Versions
- Why Use?
- What is Scripting?
- Where to Use

### Section B: Language Variations

- JavaScript from Netscape
- Check Version
- ECMA Script
- JScript
- What Brand is Best?
- How JavaScript Runs

### Section C: Object Oriented Approach

- What are Objects?
- Native Objects
- Host Objects
- Collections
- Object Models
- Properties
- Methods & Events

### Section D: JavaScript Syntax

- Guessing Game
- Case Sensitive
- Line Break
- Unicode
- Quotes
- Combined Data
- Comments
- Braces

### Section E: Defining Variables & Using Functions

- Variable Usage
- Manipulate Variable
- Convert Variables
- Global & Local Variables
- Create & Use Functions
- Questions

### Section F: Built-in Objects

- Number Object
- Using Number Object
- Methods
- String Object
- Manipulate String Objects
- Boolean Object
- Date Object
- Date Object Methods
- Date Conversion
- Date Access & Conversion
- Math Object
- Prototype Property

- Questions

## **Session 2**

### Section A: Loops & Functions

- Looping Structures
- Built-in Functions & Properties
- Using Built-in Functions
- Using For Loop
- Questions

### Section B: Event Handlers

- User Feedback
- Building Drop-Down Menus
- Managing Frame Contents
- Creating Frames
- Constructing Interactive Frames
- Multiple Frames

### Section C: Error Handling

- Common Errors
- onError Event
- Try...Catch Block
- Using Try...Catch
- Questions

### Section D: Simple Script

- Browser & Document Object Model
- Netscape & DOM
- Cross Browser Compatibility
- Common Objects
- Common Methods
- Scripting HTML Tags
- Using HTML Tags
- Functions for the Browser
- Questions

### Section E: Conditional Logic

- Conditional Structures
- Using if...else
- Operators in JavaScript
- Using Operators
- Conditional Operators
- Switch
- Case Statement
- Conditional & Switch Statements

### Section F: Multiple Windows

- Window Types
- Using Multiple Windows
- Print Function
- Questions

### Section G: Arrays

- Creating Arrays
- Using Arrays
- Document & Browser Objects
- Shopping Cart Example

## **Session 3**

### Section A: Working with HTML Forms

- HTML Form Architecture
- Accessing Forms & Elements in JavaScript
- Validating Form Data
- Processing Form Data
- Field Level Validation
- Subnet Object

- Checkbox & Radio Button
- Questions

#### Section B: Validating Data

- Techniques
- Numeric Data
- On Blue Event
- Pattern Match
- Numeric Validation
- Question

#### Section C: Working with Images

- Loading Images
- Swapping Images
- Animation
- Images Maps
- Sample Timer
- Animate
- Questions

#### Section D: Additional Scripting Techniques

- Global Variables
- Navigator Objects
- Location Objects
- Embedding with Eval
- JavaScript Source Files
- Animation

#### Section E: JavaScript in ASP

- Server Side Scripts
- ASP Architecture
- ASP Architecture (Script Processing)
- ASP Architecture (Processing Directives)
- IIS Objects
- Using COM Components
- Using Cookies
- Active Server Page Demo
- Cookies Demo
- Questions

Advance Section: The Advanced JavaScript training section completes the JavaScript series begun with JavaScript For Developers. Expert instructor Campbell Gunn uses his extensive experience at integrating solutions from software produced by different vendors to provide information usually found only in multiple reference sources. At the conclusion of this course you' understand how to effectively use JavaScript to develop richer, more dynamic client-side Web pages.

### **Session 1**

#### Section A: Adaptive Forms

- Create Adaptive Forms
- Using DIV Tags
- Dynamic Forms
- Change Colors & Fonts

#### Section B: Tag Hierarchies

- Grouping with DIV Tags
- Color & Font
- Positioning Tags
- Questions

#### Section C: Document Level Keyboard Events

- Key Codes in Netscape
- Key Codes in Internet Explorer
- Display Help

- Using Case Statement & Keyboard Events
  - Display Lists
- Section D: Tag Level Keyboard Events & Print Events
- Using onKeyPress
  - Using checkLength
  - Display Instructions
  - Case Statement
  - Print Events in IE5
  - onBeforePrint & onAfter
  - Questions

#### Section E: Creating Menus

- Site Menus
- Create a Site Menu
- Using Site Menu
- Context Menus
- Create a Context Menu
- Using Context Menu
- Questions

#### Section F: Creating Objects

- Objects
- Properties & Methods
- Using Custom Objects
- Object Properties
- Using Methods & Removing Properties
- Create Methods
- Removing Methods
- Complex Objects
- Inheritance & Hierarchy
- Arrays
- Questions

## **Session 2**

#### Section A: Frames

- Manipulating Frames
- Creating Frames
- Working with Child Frames
- onBlur & onFocus
- Resizing
- Questions

#### Section B: Cookies

- Understanding Cookies
- Creating Cookies
- Using Cookies
- Open & Read Cookies
- Creating Bookmarks
- Active Server Pages
- Serverside Cookies
- Questions

#### Section C: Applets

- Field & Method Definitions
- Communicating with Applets
- Using Threaded Applets
- Applet Features
- Applets in HTML Pages
- Questions

#### Section D: JavaScript Libraries

- Creating Libraries
- Using Libraries
- Use Libraries on the Client

- Using Libraries on the Server
  - Questions
- Section E: Performance Tips
- Caching Objects
  - Overhead of Objects & Methods
  - Techniques for Caching Code
  - Questions