

## Bay Area Video Coalition

# Introduction to JavaScript

## Syllabus

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### Course description

This course is an introduction to using JavaScript with HTML and CSS (Cascading Style Sheets) to make web pages interactive. During the class, students will learn how to use JavaScript by building useful utilities (e.g. character converters, a simple web-based HTML editor, a calculator, among others).

### Recommended text and resources

David Flanagan . *JavaScript: The Definitive Guide*, Sixth Edition. O'Reilly. 2010.  
developer.mozilla.org/en/ JavaScript  
www.w3schools.com/js/default.asp

### Course Objectives

- Learn what programming is—an introduction to general concepts:
  - o data types
  - o data structures
  - o numbering systems
  - o logic
  - o controlling program flow
  - o using events and exceptions
  - o best practices
- Learn how JavaScript is used to make Web pages more useful.
  - o how to interact with and control the page's document object model (DOM)
  - o gathering, modifying, and displaying data
- Learn how to use the Web as a resource for Web development and for staying current with Web issues.
- Become familiar with Web development tools
  - o IDEs
  - o using localhost
  - o code validation
  - o browser dev tools
  - o source control

Check out the web site listed above—course content is being added all the time.