

# Web Javascript

School of Visual Arts, Summer 2011

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Class web site: <http://school.choppingblock.com>

## Introduction to Programming

What is Javascript?

Javascript on the web

Javascript, on the page and loading external resources

Variables

Loops

Conditionals

Dates & Times

Arrays

Hashes

Regular Expressions

Output to the page

## Document Object Model

Adding HTML Elements

Moving and replacing elements

## Events

onload

Mouse Events

Keyboard Events

Inline Event Handlers

Event Listeners

## Object Oriented Programming

Functions and classes

Objects and constructors

Variable Scope

Prototyping Objects

## CSS Manipulation

Adding/Removing styles

Adding/Removing classes

## Form Validation

## Periodical Events (Timers)

## Frameworks

jQuery

DOM Ready Event

SWFObject & JWPlayer

## AJAX

HTTPXMLRequest

Using Frameworks

## HTML5

Modernizr

Video

Sound

CSS Transforms & Javascript

Canvas

CoffeScript

Client Side Database