# References for 20480B Programming in HTML5 and JavaScript and CSS3

Updated 8/29/14

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## Windows 8 Tutorials

<http://www.hanselman.com/blog/TheMissingWindows8InstructionalVideo.aspx> - 25 mins

<http://www.youtube.com/watch?v=wi8NpwiEuzc> – 4 mins

## Companion Content Site

<http://www.microsoft.com/learning/en-us/companion-moc.aspx>

Download for All Files content from VM

### Visual Studio Feature Support Video

<http://www.asp.net/visual-studio/overview/2012>

### What can their/your browser(s) do?

<http://caniuse.com>

<http://html5test.com>

<http://css3test.com>

### What is the current status of a feature in IE?

http://status.modern.ie

Specification for Authors

<http://www.w3.org/TR/html5-author/>

Validates html5

<http://validator.nu>

Fonts and WOFF

<http://css-tricks.com/snippets/css/using-font-face/>

Unicode and character Sets

<http://www.joelonsoftware.com/articles/Unicode.html>

<http://w3schools.com>

Good place for trying out HTML5, CSS3 and Javascript

Excellent tools for debugging:

Firefox + Firebug + Web Developer + Firefinder + YSlow

<http://ie.microsoft.com/testdrive/Graphics/hands-on-css3/>

Hands on Windows 8 HTML5 Platform

### Updated Flexbox Demo Site

<http://the-echoplex.net/flexyboxes>

### Concise HTML5 Reference Sheet

<http://www.smashingmagazine.com/2009/07/06/html-5-cheat-sheet-pdf/>

### Concise CSS3 Reference Sheet

<http://media.smashingmagazine.com/wp-content/uploads/images/css3-cheat-sheet/css3-cheat-sheet.pdf>

## Design View in VS2013

<http://madskristensen.net/post/open-static-html-files-in-the-visual-studio-2013-designer>

<http://snook.ca/archives/html_and_css/font-size-with-rem>

Font Sizing with REM

Web Safe Color Guide

<http://www.cloford.com/resources/colours/websafe1.htm>

<http://modernizr.com/>

Javascript library that detects HTML5 and CSS3 feature support in the browser and loads files of your choice (js or css).

## -Prefix-free

http://leaverou.github.io/prefixfree/

Javascript Inheritance and Prototypes

<http://mckoss.com/jscript/object.htm>

## JS Lint

<http://www.jslint.com/>

JSLint is a JavaScript program that looks for problems in JavaScript programs. It is a code quality tool.

<http://jsbin.com>

<http://jsfiddle.net>

Both good sources for testing javascript, html.

## Practice Bins

clone your own…

Stringify and Parse JSON <http://jsbin.com/kekol/1/edit?html,js,output>

Layout and Position Playland <http://jsbin.com/xabiy/2/edit>

Switch Statement – Break <http://jsbin.com/tedopi/1/edit>

Input Validation – Type/CSS <http://jsbin.com/boreb/2/edit>

Post-fix and Prefix operator ++ <http://jsbin.com/qaseq/1/edit>

<http://jqueryui.com/>

JQueryUI is a library with set of widgets for user interface effects. There is a theme builder that is incredible!

<http://www.w3.org/wiki/CSS_absolute_and_fixed_positioning>

W3C Site Explanation of CSS Absolute, Relative, Fixed Positioning

<http://www.microsoft.com/visualstudio/eng#downloads+d-2012-express>

Visual Studio 2012 Express Downloads – Free

## DOM Storage Guide

<https://developer.mozilla.org/en-US/docs/Web/Guide/API/DOM/Storage?redirectlocale=en-US&redirectslug=Web%2FGuide%2FDOM%2FStorage>

http://html5boilerplate.com/mobile

Mobile Support for HTML5

Design Festival – Great Design site with HTML/CSS and Responsive/Mobile Articles

<http://designfestival.com/>

Responsive and Adaptive

<http://www.splashnology.com/article/70-examples-of-modern-responsive-web-design/2537/>

SVG vs canvas: how to choose

<http://msdn.microsoft.com/en-us/library/gg193983(v=vs.85).aspx>

Read this article. Just read it.

SVG Editing Tools (Free)

SVG-Edit

<http://code.google.com/p/svg-edit/>

Microsoft Expression Design 4

<http://www.microsoft.com/en-us/download/details.aspx?id=36180>

Inkscape

http://inkscape.org

Script Loaders

<http://www.netmagazine.com/features/essential-javascript-top-five-script-loaders>

Web Sockets

<http://datatracker.ietf.org/doc/rfc6455/?include_text=1>

Web Socket Protocol

Web Socket.org

<http://www.websocket.org/index.html>

Includes the echo test and sample code

Long Polling & SignalR (older article)

<http://msdn.microsoft.com/en-us/magazine/hh882442.aspx>

Microsoft SignalR Site

<http://www.asp.net/signalr>

HTML5Rocks Web Sockets Tutorial

<http://www.html5rocks.com/en/tutorials/websockets/basics/>

<https://www.khronos.org/registry/typedarray/specs/latest/>

Some information on data types that can be sent over web sockets.

Web Workers

<http://www.w3.org/TR/workers/>

Ray Tracing Web Worker Demo

<http://nerget.com/rayjs-mt/rayjs.html>

Very good Microsoft MSDN Article on Web Workers and using IE 10 for debugging

<http://msdn.microsoft.com/en-us/hh549259.aspx>

# JavaScript Libraries & Tools

|  |  |  |
| --- | --- | --- |
| Date.js | <http://datejs.com> | Assists with dates. |
| Bootstrap | <http://getbootstrap.com> | Frontend/UI (grids |
| Knockout | http://knockoutjs.com | Updates UI per View Model. |
| Underscore |  | Arrays and collections |
| Modernizr |  | Tests browsers |
| Data | <http://datajs.codeplex.com> | OData client w/caching |
| JqueryUI | http://jqueryui.coom | Widgets, themes |
| JSLint | <http://jslint.com> | Code quality tool |

# CSS Helpers

|  |  |  |
| --- | --- | --- |
| Normalize.css | http://nicolasgallagher.com/about-normalize-css | Normalizes browsers and corrects bugs |
| LESS | http://lesscss.org/ | CSS Preprocessor |
| SASS | http://sass-lang.com/ | CSS Preprocessor |

Regular Expressions

Site for finding, debugging regular expressions.

<http://refiddle.com>