

Tools to Learn & Teach the Web - [Online Northwest 2015](http://tinyurl.com/weblit-onw15)

WEB LITERACY: USING & SHARING DYNAMIC TOOLS TO LEARN & TEACH THE WEB - <http://tinyurl.com/weblit-onw15>

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Listing of quality tools to learn & teach about the Web. From creating content to understanding Internet Protocols. All resources are free and many are open- some are free/libre open source software (FLOSS), some freeware, and some are freemium.

Tutorials/Courses	URL	Description	Type
Try jQuery (created by Code School)	http://try.jquery.com/	Learn the basics of using jQuery and quite a bit about the DOM tree as well	Instruction: video-heavy, limited written Work: tasks
Codecademy- HTML/CSS	http://www.codecademy.com/en/tracks/web	Basics of how web pages are constructed	Instruction: Written w/ simple tasks Work: tasks & projects
Codecademy- Javascript	http://www.codecademy.com/en/tracks/javascript	Basic programming with JS	Instruction: Written w/ simple tasks Work: tasks & projects
Codecademy- jQuery	http://www.codecademy.com/en/tracks/jquery	Basic application of jQuery to web dev	Instruction: Written w/ simple tasks Work: tasks & projects
Khan Academy - programming	https://www.khanacademy.org/computing/cs	Uses JavaScript to teach fundamentals of programming- not specific to web development	Instruction: video Work: exercises - largely focused on animation for JS
Mozilla Developer	https://developer.mozilla.org/en-US/	References, tutorials and tools to learn HTML, CSS, JS and more	Written references and tutorials with suggested exercises
MS Virtual Academy	http://www.microsoftvirtualacademy.com/?cmpid=W_MSS_MKTG_MVA_FY14_MVA	Tutorials on a wide variety of CS topics	Videos- many very lengthy; quizzes to assess comprehension;



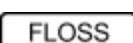
References	URL	Type
W3Schools	http://www.w3schools.com/	HTML, CSS, JS, jQuery, etc.
Stack Exchange	http://stackexchange.com/	Everything imaginable
WebAim	http://webaim.org/	Accessibility

Validators	URL	Type
WAVE	http://wave.webaim.org/	Accessibility
W3C HTML	http://validator.w3.org/	Standards compliance
W3C CSS	http://jigsaw.w3.org/css-validator/	Standards compliance
JuicyStudio color contrast analyzer (Firefox)	https://addons.mozilla.org/en-US/firefox/addon/juicy-studio-accessibility-too/	Accessibility - color contrast
Chrome Extension	https://chrome.google.com/webstore/detail/color-contrast-analyzer/dagdlcijhfbmgkjo/kkjicnnfimlebccl?hl=en	Accessibility - color contrast (visual representation)

Emulators, etc.	URL	Type
Screenfly	http://quirktools.com/screenfly/	View page in multiple screen sizes
Article about using the built-in Chrome user agent tool	http://www.sitepoint.com/use-mobile-emulation-mode-chrome/	Emulate devices, screen sizes, etc.
Built-in with major browser dev tools	Open dev tool w/ ctrl+shift+i (Windows/Linux) & cmd+opt+i (Mac) Open device mode w/ ctrl+shift+m (Windows/Linux) & cmd+shift+m (Mac)	Much like Screenfly but built into browser

Tools/Software	URL	Type
Notepad++	http://notepad-plus-plus.org/	FLOSS (GPL)
Programmer's Notepad	http://www.pnotepad.org/	FLOSS
FireBug	https://getfirebug.com/	FLOSS (BSD)
Dragonfly	http://www.opera.com/dragonfly/	FLOSS (Apache)
Chrome DevTools	https://developer.chrome.com/devtools	FLOSS (CC BY 3.0 US)
Colorzilla (FF/Chrome)	FF: http://www.colorzilla.com/firefox/ Chrome: http://www.colorzilla.com/chrome/	Freeware Proprietary

Test Environments	URL	Type/features
JS Bin	http://jsbin.com	FLOSS (freemium) - Online IDE for JS, HTML, CSS, and several JS libraries & frameworks
Bootply	http://www.bootply.com	Freeware Similar to JS Bin b/w Bootstrap focus & pre-loaded templates-licensing unclear
jsFiddle	http://jsfiddle.net	Freeware , proprietary - Similar to JS Bin w/o Bootstrap
Mozilla Thimble	https://thimble.webmaker.org	FLOSS Online IDE for HTML/CSS/JS-single pane, no pre-loaded frameworks or templates

Lessons/Curricula	URL	Description
Mozilla Webmaker Training	https://training.webmakerprototypes.org/en/	 learn to teach web literacy
Mozilla Webmaker lesson plans	https://jess.makes.org/thimble/MTMyMzM2ODQ0OA==/mobile-design-kit	
Mozilla Wiki Teaching resources	https://wiki.mozilla.org/Webmaker/Teach/WebmakingResources	
Chrome browser extension (Chrome)	https://developer.chrome.com/extensions/getstarted	Must get your own Flickr API key here: https://www.flickr.com/services/api/misc.api_keys.html
Chrome browser extension (LifeHacker)	http://lifehacker.com/5857721/how-to-build-a-chrome-extension	
Web Literacy Mapper (Web Literacy Map pathways)	http://weblitmapper.webmakerprototypes.org/	Searchable interface for finding lessons & tutorials; you may also submit your own (primarily FLOSS/Freeware)

Resources about Web Literacy and Information Literacy

Pedagogy:

- Ipri, T. (2010). Introducing transliteracy: What does it mean to academic libraries?. *College & Research Libraries News*, 71(10), 532.
- Mackey, T. P., & Jacobson, T. E. (2010). Reframing information literacy as a metaliteracy. *College & Research Libraries*, crl-76r1.
- Thomas, D. , & Brown, J. (2011). *A New Culture of Learning : Cultivating the Imagination for a World of Constant Change*. [Lexington, Ky.]: [CreateSpace?]. <http://www.newcultureoflearning.com/>

Web Literacy

- <https://mozilla.github.io/webmaker-whitepaper/> - Mozilla Webmaker Whitepaper
- <https://webmaker.org/resources> - Web Literacy Map overview
- <http://literaci.es/redefining-weblitmap-skills> - Doug Belshaw's blog post about redefining the web literacy skills & info on how to get involved.

Tools

- <https://github.com/sometimesmotion/webliteracytools> - online repository of the tools listed above
- <http://weblitmapper.webmakerprototypes.org/> - online searchable collection of tools for teaching web literacy