



# WEB SEARCH ASSIGNMENT

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Web Search Assignment – Website Accessibility Directory

# Website Accessibility – SELECTED RESOURCES

## 1 INTRODUCTION

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The internet is a wonderful thing, people around the world are now able to watch videos, get a degree, spend money, and communicate with friends and strangers via email, blog, file sharing, video streaming, ecommerce, and browsing thanks to the internet.

While a significant percentage of the world has access to the internet at some speed using some convenient device, there are populations for whom a primarily audio-visual medium accessed via touch presents one or more barriers to use. For children and adults who have audio, visual, cognitive, or muscular control disabilities the World Wide Web can be a very difficult place to visit. The term “Web Accessibility” refers to was in which the content and structure of websites and online resources can be designed or modified to be used by all people including people with disabilities.

This directory presents resources that address website accessibility and is organized by audience: website and app designers, users with disabilities, and the typical web user. Each of these three groups can benefit from resources that show how to make content more readily accessible, how to access content more readily, and how to assess materials for accessible design.

## 2 DIRECTORY ENTRIES

<b>1. Website Name:</b>	Web Accessibility Initiative (WAI)
<b>Website URL:</b>	<a href="http://www.w3.org/WAI/">http://www.w3.org/WAI/</a>
<b>Content Provider/ Producer:</b>	World Wide Web Consortium. The World Wide Web Consortium (W3C) is an international community that develops open standards to ensure the long-term growth of the Web. Includes Mass. Inst. Of Tech. and the European Research Consortium for Informatics and Mathematics.
<b>Summary of Content:</b>	Internationally sound standards and research related to website accessibility design for web designers that addresses use of various design languages, browsers, coding, and architecture. This site also explains how users with disabilities access the web, devices they use, problems they encounter, and videos detailing their experiences so that designers have a reference for understanding the standards designed to address these concerns. The site addresses all aspects of web and web application design, including setting organizational policies and internal software such as customer management systems.

<b>2. Website Name:</b>	Web AIM – Web Accessibility In Mind
<b>Website URL:</b>	<a href="http://webaim.org/">http://webaim.org/</a>
<b>Content Provider/ Producer:</b>	Center for Persons with Disabilities, Utah State University
<b>Summary of Content:</b>	Web AIM is a website that provides extensive topical tutorials, reference, and articles that assist web designers in understanding the needs and concerns of users with disabilities and solutions of increasing accessibility in webpages, software, and documents. Sections cover training, evaluation of websites including the WAVE tool that tests websites, and professional development.

<b>3. Website Name:</b>	Web Accessibility Center Tutorials
<b>Website URL:</b>	<a href="http://wac.osu.edu/tutorials/index.html">http://wac.osu.edu/tutorials/index.html</a>
<b>Content Provider/ Producer:</b>	Ohio State University Web Accessibility Center
<b>Summary of Content:</b>	This page of a website prepared by Ohio State University provides tutorials for accessible web design for the top programming languages and applications, as well as legal ramifications. Each header leads to multiple resources, research, and tutorials on how to implement suggestions.

<b>4. Website Name:</b>	HowTo.Gov Accessibility
<b>Website URL:</b>	<a href="http://www.howto.gov/web-content/accessibility">http://www.howto.gov/web-content/accessibility</a>
<b>Content Provider/ Producer:</b>	GSA's Office of Citizen Services & Innovative Technologies, Managed by the Federal Web Managers Council, Angela Hooker
<b>Summary of Content:</b>	Based on the content of the federal legislation that mandates that government websites be accessible, this site includes plain-language explanations of the legislation and explicit information about how those designing government websites can meet the requirements of the law and improve the overall design of websites for the public.

<b>5. Website Name:</b>	Apple Accessibility
<b>Website URL:</b>	<a href="https://www.apple.com/accessibility/osx/">https://www.apple.com/accessibility/osx/</a>
<b>Content Provider/ Producer:</b>	Apple, Inc.
<b>Summary of Content:</b>	The website displays the hardware and software features of Apple products and the iOS software that assists users with disabilities to use the devices and access the internet including a built in text reader, keyboard modifications, and video communications.

<b>6. Website Name:</b>	Microsoft Accessibility
<b>Website URL:</b>	<a href="http://www.microsoft.com/enable/">http://www.microsoft.com/enable/</a>
<b>Content Provider/ Producer:</b>	Microsoft
<b>Summary of Content:</b>	The website displays the hardware and software features of Microsoft products and the supported software including operating systems and Microsoft Office that assist users with disabilities to access programs and the internet including a built in text reader, keyboard modifications, and communication enhancements.

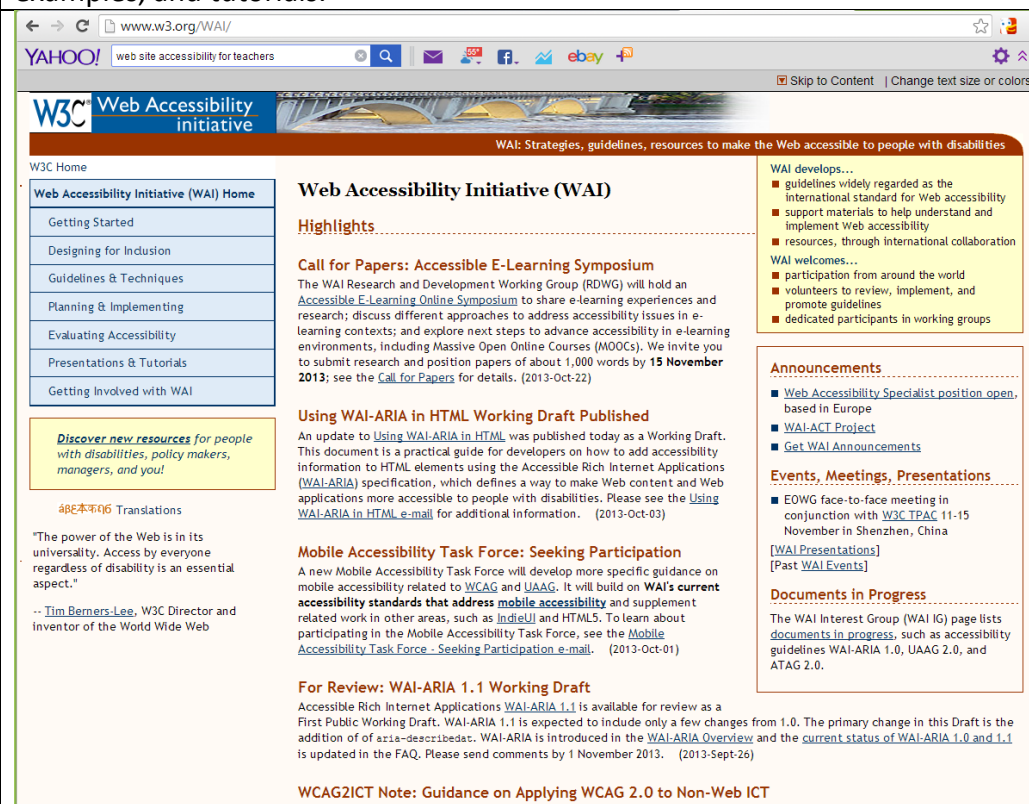
<b>7. Website Name:</b>	Teacher Planning and Universal Design for Learning Environments
<b>Website URL:</b>	<a href="http://aim.cast.org/">http://aim.cast.org/</a>
<b>Content Provider/ Producer:</b>	National Center on Accessible Instructional Materials at Cast, Inc.
<b>Summary of Content:</b>	This website focuses on accessible materials, online and offline, and is especially good for teachers at all levels. The site assists teachers in identifying and creating instruction and materials to aid instruction that are accessible to all learners. The site also has resources for families, parents, schools, and school districts. The site includes information on assistive technologies as well as design concerns, webinars, presentations, newsletters, research studies, and tutorials.


<b>8. Website Name:</b>	Access IT
<b>Website URL:</b>	<a href="http://www.washington.edu/accessit/">http://www.washington.edu/accessit/</a>
<b>Content Provider/ Producer:</b>	University of Washington
<b>Summary of Content:</b>	The site includes training events and videos, research, and a knowledge base for teachers and those who wish to use technology to assist people with disabilities in accessing instruction.

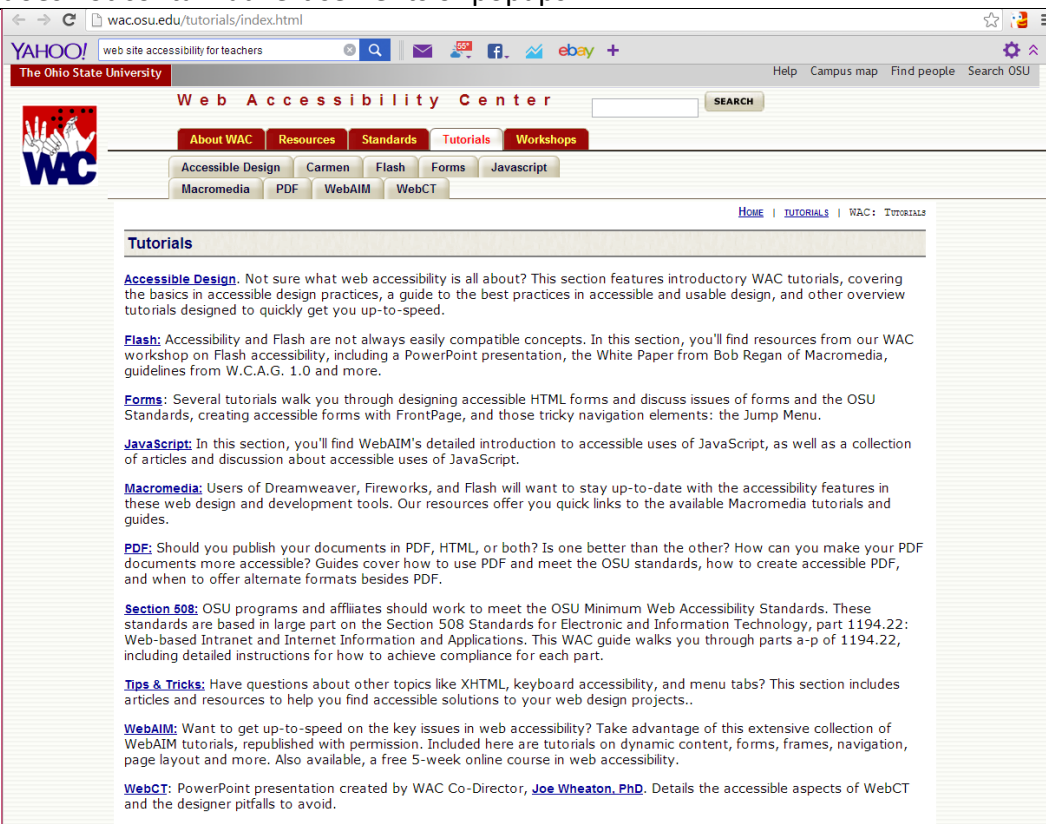
<b>9. Website Name:</b>	Transforming Education through Universal Design for Learning
<b>Website URL:</b>	<a href="http://www.cast.org/">http://www.cast.org/</a>
<b>Content Provider/ Producer:</b>	Center for Applied Special Technology
<b>Summary of Content:</b>	CAST is a comprehensive website that promotes universal design for learning that improves accessibility by improving the overall all design of materials, websites, and content delivery for all persons – with and without disabilities. The site includes tutorials, tools, information, and professional development.

<b>10. Website Name:</b>	NanoGames
<b>Website URL:</b>	<a href="http://www.nanogames.com/Home.htm">http://www.nanogames.com/Home.htm</a>
<b>Content Provider/ Producer:</b>	NanoGames
<b>Summary of Content:</b>	This site is a for-profit site that promotes games that are made accessible for all children by including features that address the needs of children with disabilities. Games are in formats for a variety of platforms and operating systems and the site explains how the games are designed and modifiable to increase accessibility.

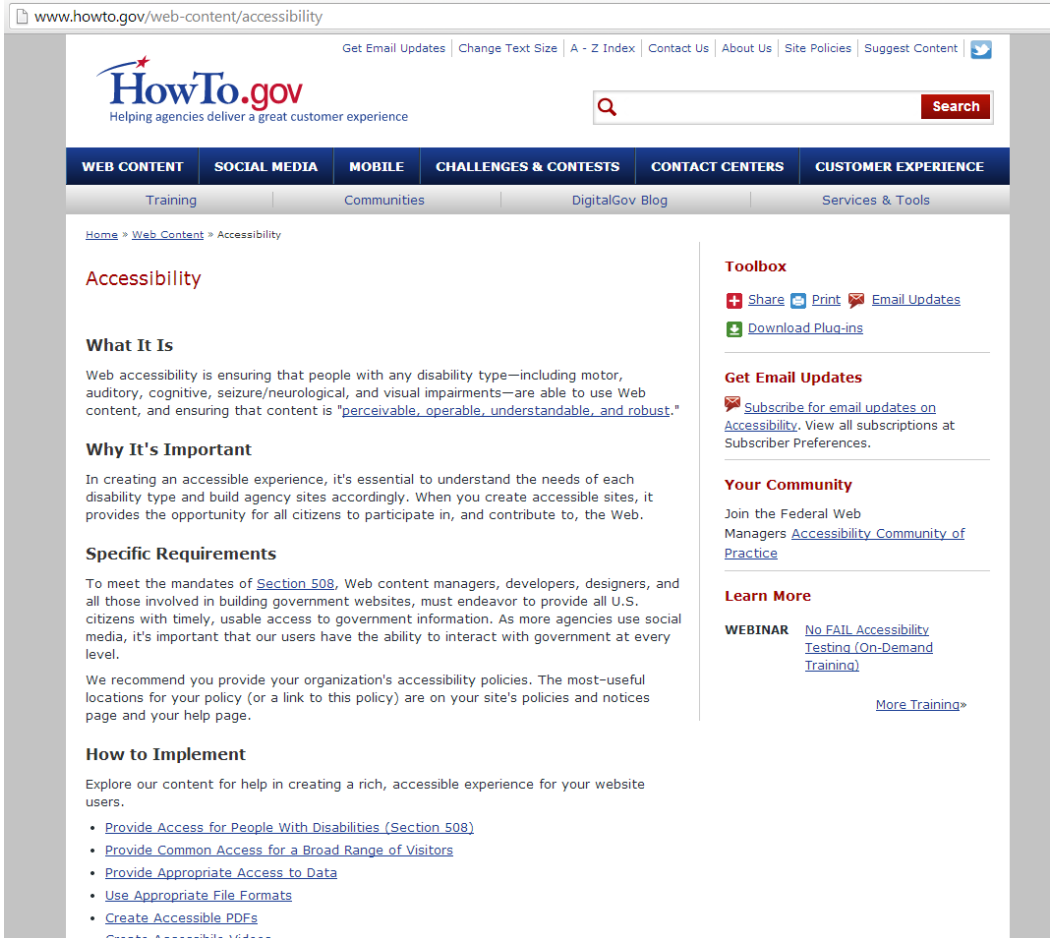
### 3 PRINTS

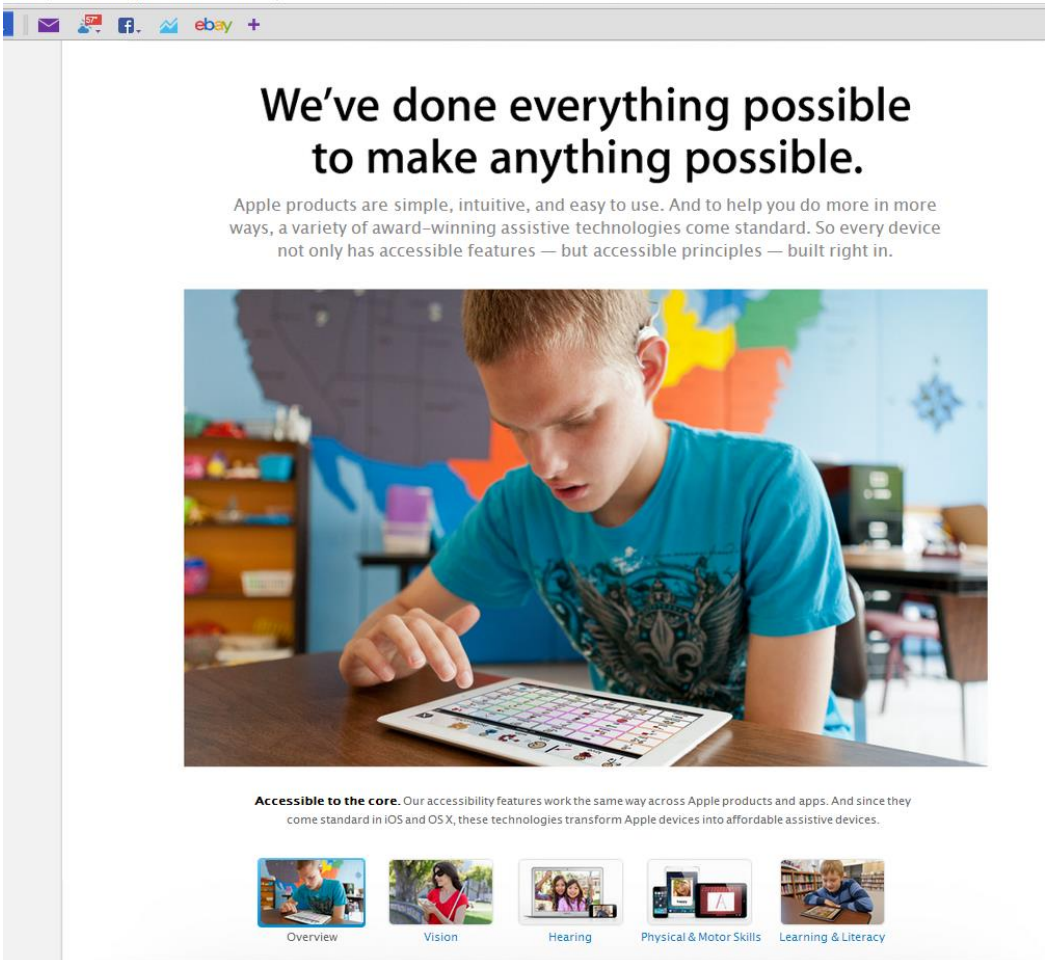
<b>SEARCH TOOL:</b>	Google.com
<b>SEARCH STATEMENT:</b>	Website accessibility
<b>AUTHORITY:</b>	The authors of the site are internationally respected authorities in the fields of technology and communications who are writing on topics directly related to their expertise.
<b>QUALITY:</b>	The website is simply designed with clear links, explanations, and navigation. The content is clear, well-crafted and relevant with appropriate citations, examples, and tutorials.
<b>PRINT # 1:</b>	


<b>SEARCH TOOL:</b>	Google.com
<b>SEARCH STATEMENT:</b>	Website accessibility
<b>AUTHORITY:</b>	The site is co-authored by Utah State University and the Center for Persons with Disabilities – two non-profit groups. The website has existed since 1999 and articles are updated to reflect changing technology, equipment, and international standards for accessibility.
<b>QUALITY:</b>	The website is pleasing to the eye and meets accessibility requirements, it is well organized and navigation is clear, colors provide suitable contrast to improve visibility.
<b>PRINT #2:</b>	 <p>The screenshot shows the WebAIM website (webaim.org) with the following structure:</p> <ul style="list-style-type: none"> <li><b>Header:</b> Navigation links for Products, Services, Articles, Resources, and Community. A search bar is also present.</li> <li><b>Left Sidebar:</b> <ul style="list-style-type: none"> <li><b>WebAIM Logo:</b> Web Accessibility in Mind</li> <li><b>Getting Started:</b> Introduction to web accessibility</li> <li><b>WebAIM Training:</b> January 14-15 Training Details</li> <li><b>From the Blog:</b> <ul style="list-style-type: none"> <li>WebAIM's Hierarchy for Motivating Accessibility Change (August 26, 2013)</li> <li>10 Easy Accessibility Tips Anyone Can Use (May 9, 2013)</li> <li>Low Vision Survey Results (April 29, 2013)</li> <li>Low Vision and Motor Disability Surveys (February 12, 2013)</li> <li>Welcoming Dr. Sergio Luján Mora (January 11, 2013)</li> </ul> </li> <li><b>Community:</b> Newsletter, Blog, Email Discussion List, RSS/News Feeds</li> </ul> </li> <li><b>Main Content Area:</b> <ul style="list-style-type: none"> <li><b>WAVE (Web Accessibility Evaluation Tool):</b> "You have no alternative!"</li> <li><b>Training:</b> Accessibility Training, Technical Assistance</li> <li><b>Evaluation:</b> Accessibility Certification, Monitoring &amp; Reporting</li> <li><b>Design &amp; Delivery:</b> Design &amp; Development, Accessibility Repairs</li> <li><b>Current Features:</b> <ul style="list-style-type: none"> <li><b>Low Vision and Motor Disabilities Surveys:</b> Results of WebAIM's Survey of Users with Low Vision and Survey of Users with Motor Disabilities are now available. The results of these surveys are of great interest and can be used to inform design and development choices for those creating accessible web content. Links: <a href="#">Low Vision Survey Results</a>, <a href="#">Motor Disability Survey Results</a></li> <li><b>Screen Reader Survey:</b> The results of the fourth WebAIM screen reader user survey are now available. The survey results provide invaluable data for web developers, disability advocates, and standards bodies. Link: <a href="#">View the Survey Results</a></li> <li><b>Infographic: Web Accessibility for Designers:</b> This new infographic highlights a few important principles of accessible design. Link: <a href="#">View the Infographic</a></li> <li><b>Using VoiceOver to Evaluate Web Accessibility:</b> (Link partially visible)</li> </ul> </li> <li><b>Popular Resources:</b> <ul style="list-style-type: none"> <li>Web Accessibility Articles</li> <li>Video: Web Accessibility In Mind</li> <li>Section 508 Checklist</li> <li>WCAG 2.0 Checklist</li> <li>WAVE Accessibility Evaluation Tool</li> </ul> </li> <li><b>Solutions for:</b> <ul style="list-style-type: none"> <li>Education</li> <li>Government</li> <li>Business</li> <li>Healthcare</li> <li>Non-Profit</li> </ul> </li> <li><b>WebAIM Activities:</b> <ul style="list-style-type: none"> <li><b>Plain Talk Conference:</b> Arlington, VA, September 26-27</li> <li><b>iQuery Accessibility Summit:</b> Herndon, VA, October 10-11</li> <li><b>EDUCAUSE:</b> Anaheim, CA, October 15-18</li> <li><b>Accessing Higher Ground:</b> Westminster, CO</li> </ul> </li> </ul> </li> </ul>


<b>SEARCH TOOL:</b>	DuckDuckGo.com
<b>SEARCH STATEMENT:</b>	Accessible Web Design Tutorial
<b>AUTHORITY:</b>	Ohio State University Web Accessibility Center in partnership with the College of Education and Human Ecology, the Office for Disability Services, and the Americans with Disabilities Act Coordinator's Office have provided resources for web designers – especially those related to the university or who have an educational focus.
<b>QUALITY:</b>	The resources come from authorities in their respective fields and the overall design of the page uses accessible principles of contrast and simplicity, the resources are properly referenced and legitimate. The site is not-for-profit and does not contain advertisements or popups.
<b>PRINT # 3:</b>	 <p>The screenshot shows the Ohio State University Web Accessibility Center website. The page has a clean, accessible design with a clear navigation menu. The 'Tutorials' section is highlighted, and it lists various topics with brief descriptions of the resources available. The topics include:</p> <ul style="list-style-type: none"> <li><b>Accessible Design:</b> Not sure what web accessibility is all about? This section features introductory WAC tutorials, covering the basics in accessible design practices, a guide to the best practices in accessible and usable design, and other overview tutorials designed to quickly get you up-to-speed.</li> <li><b>Flash:</b> Accessibility and Flash are not always easily compatible concepts. In this section, you'll find resources from our WAC workshop on Flash accessibility, including a PowerPoint presentation, the White Paper from Bob Regan of Macromedia, guidelines from W.C.A.G. 1.0 and more.</li> <li><b>Forms:</b> Several tutorials walk you through designing accessible HTML forms and discuss issues of forms and the OSU Standards, creating accessible forms with FrontPage, and those tricky navigation elements: the Jump Menu.</li> <li><b>JavaScript:</b> In this section, you'll find WebAIM's detailed introduction to accessible uses of JavaScript, as well as a collection of articles and discussion about accessible uses of JavaScript.</li> <li><b>Macromedia:</b> Users of Dreamweaver, Fireworks, and Flash will want to stay up-to-date with the accessibility features in these web design and development tools. Our resources offer you quick links to the available Macromedia tutorials and guides.</li> <li><b>PDF:</b> Should you publish your documents in PDF, HTML, or both? Is one better than the other? How can you make your PDF documents more accessible? Guides cover how to use PDF and meet the OSU standards, how to create accessible PDF, and when to offer alternate formats besides PDF.</li> <li><b>Section 508:</b> OSU programs and affiliates should work to meet the OSU Minimum Web Accessibility Standards. These standards are based in large part on the Section 508 Standards for Electronic and Information Technology, part 1194.22: Web-based Intranet and Internet Information and Applications. This WAC guide walks you through parts a-p of 1194.22, including detailed instructions for how to achieve compliance for each part.</li> <li><b>Tips &amp; Tricks:</b> Have questions about other topics like XHTML, keyboard accessibility, and menu tabs? This section includes articles and resources to help you find accessible solutions to your web design projects..</li> <li><b>WebAIM:</b> Want to get up-to-speed on the key issues in web accessibility? Take advantage of this extensive collection of WebAIM tutorials, republished with permission. Included here are tutorials on dynamic content, forms, frames, navigation, page layout and more. Also available, a free 5-week online course in web accessibility.</li> <li><b>WebCT:</b> PowerPoint presentation created by WAC Co-Director, <a href="#">Joe Wheaton, PhD</a>. Details the accessible aspects of WebCT and the designer pitfalls to avoid.</li> <li><b>WAC Top Ten Tips:</b> 10 things every web designer should know.</li> </ul>



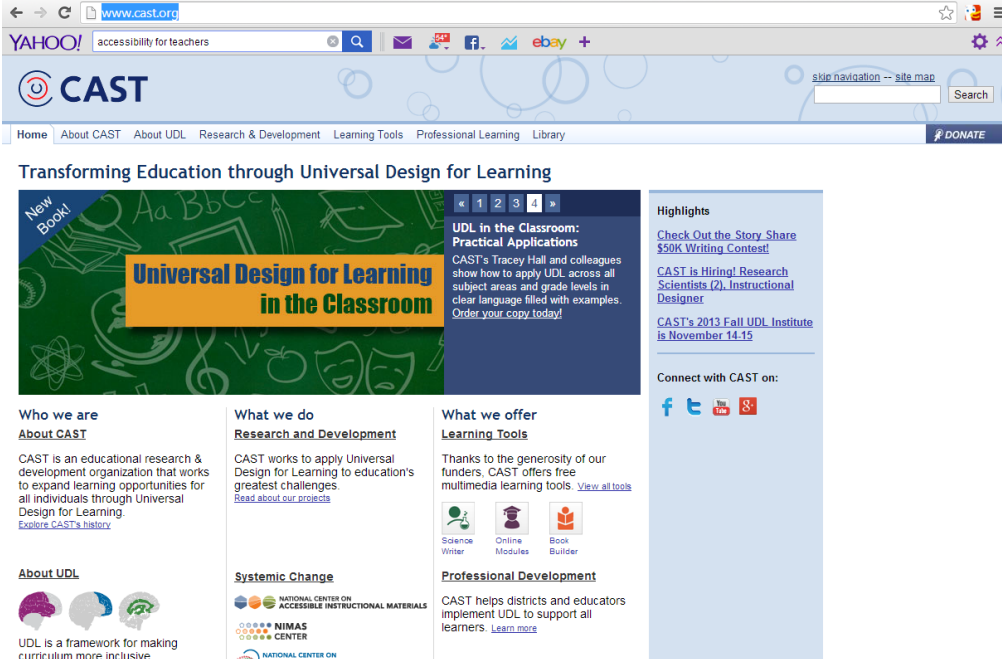
<b>SEARCH TOOL:</b>	DuckDuckGo.com
<b>SEARCH STATEMENT:</b>	Website accessibility
<b>AUTHORITY:</b>	The site is designed by and for the United States Government and is based on the federal legislation related to the Americans with Disabilities Act.
<b>QUALITY:</b>	The website is clear and the main page is quite concise, however some content items have extensive references. The information comes from a recognized authority is clear and easy to understand.
<b>PRINT # 4:</b>	 <p>www.howto.gov/web-content/accessibility</p> <p>Get Email Updates   Change Text Size   A - Z Index   Contact Us   About Us   Site Policies   Suggest Content</p> <p><b>HowTo.gov</b> Helping agencies deliver a great customer experience</p> <p>Search</p> <p>WEB CONTENT   SOCIAL MEDIA   MOBILE   CHALLENGES &amp; CONTESTS   CONTACT CENTERS   CUSTOMER EXPERIENCE</p> <p>Training   Communities   DigitalGov Blog   Services &amp; Tools</p> <p>Home » Web Content » Accessibility</p> <h2>Accessibility</h2> <h3>What It Is</h3> <p>Web accessibility is ensuring that people with any disability type—including motor, auditory, cognitive, seizure/neurological, and visual impairments—are able to use Web content, and ensuring that content is <i>"perceivable, operable, understandable, and robust."</i></p> <h3>Why It's Important</h3> <p>In creating an accessible experience, it's essential to understand the needs of each disability type and build agency sites accordingly. When you create accessible sites, it provides the opportunity for all citizens to participate in, and contribute to, the Web.</p> <h3>Specific Requirements</h3> <p>To meet the mandates of <a href="#">Section 508</a>, Web content managers, developers, designers, and all those involved in building government websites, must endeavor to provide all U.S. citizens with timely, usable access to government information. As more agencies use social media, it's important that our users have the ability to interact with government at every level.</p> <p>We recommend you provide your organization's accessibility policies. The most-useful locations for your policy (or a link to this policy) are on your site's policies and notices page and your help page.</p> <h3>How to Implement</h3> <p>Explore our content for help in creating a rich, accessible experience for your website users.</p> <ul style="list-style-type: none"> <li><a href="#">Provide Access for People With Disabilities (Section 508)</a></li> <li><a href="#">Provide Common Access for a Broad Range of Visitors</a></li> <li><a href="#">Provide Appropriate Access to Data</a></li> <li><a href="#">Use Appropriate File Formats</a></li> <li><a href="#">Create Accessible PDFs</a></li> <li><a href="#">Create Accessible Videos</a></li> </ul> <p><b>Toolbox</b></p> <p><a href="#">Share</a> <a href="#">Print</a> <a href="#">Email Updates</a></p> <p><a href="#">Download Plug-ins</a></p> <p><b>Get Email Updates</b></p> <p><a href="#">Subscribe for email updates on Accessibility</a>. View all subscriptions at <a href="#">Subscriber Preferences</a>.</p> <p><b>Your Community</b></p> <p>Join the Federal Web Managers <a href="#">Accessibility Community of Practice</a></p> <p><b>Learn More</b></p> <p><b>WEBINAR</b> <a href="#">No FAIL Accessibility Testing (On-Demand Training)</a></p> <p><a href="#">More Training»</a></p>

<b>SEARCH TOOL:</b>	DuckDuckGo.com
<b>SEARCH STATEMENT:</b>	Website accessibility features
<b>AUTHORITY:</b>	The site is the official site for Apple Products including the iPad, MacBook, and details the features built into the devices and the iOS operating systems used on Apple Devices.
<b>QUALITY:</b>	As with most things designed at Apple, the site is visually appealing and is passes the Web AIM WAVE test for accessibility, the content includes images and alt text. The language of the site is conversational and easy to understand.
<b>PRINT # 5:</b>	<p><a href="https://www.apple.com/accessibility/">https://www.apple.com/accessibility/</a></p>  <p><b>We've done everything possible to make anything possible.</b></p> <p>Apple products are simple, intuitive, and easy to use. And to help you do more in more ways, a variety of award-winning assistive technologies come standard. So every device not only has accessible features — but accessible principles — built right in.</p> <p><b>Accessible to the core.</b> Our accessibility features work the same way across Apple products and apps. And since they come standard in iOS and OSX, these technologies transform Apple devices into affordable assistive devices.</p> <p>Overview Vision Hearing Physical &amp; Motor Skills Learning &amp; Literacy</p>


<b>SEARCH TOOL:</b>	Bing.com
<b>SEARCH STATEMENT :</b>	Website accessibility
<b>AUTHORITY:</b>	This site is the Microsoft Official website for Accessibility and is the established authority for its products including all currently supported software programs and includes the opportunity to purchase additional items to increase accessibility.
<b>QUALITY:</b>	The site is attractive, well-written, and well organized, it includes tutorials, newsletters, technical support and case studies for users with and without disabilities.
<b>PRINT # 6:</b>	 <p>www.microsoft.com/enable/</p> <p>Mobile/Text Only Worldwide Accessibility United States Change   All Microsoft Sites</p> <h2>Microsoft Accessibility</h2> <p>Search Microsoft.com <b>bing</b> Web</p> <p><b>Home</b> Products Demos Tutorials Guides News &amp; Articles Centers</p> <p><b>Accessibility enables people</b> of all abilities to realize their full potential. Microsoft creates technology that is accessible to people around the world—of all ages and abilities.</p> <p><b>I'm looking for:</b></p> <ul style="list-style-type: none"> <li><b>Windows</b> <ul style="list-style-type: none"> <li>Windows 8</li> <li>Windows 7</li> <li>Windows Vista</li> </ul> </li> <li><b>Office</b> <ul style="list-style-type: none"> <li>Office 365</li> <li>Office 2013</li> <li>Office 2010</li> </ul> </li> <li><b>Assistive Technology Products</b> <ul style="list-style-type: none"> <li>Shop and Select Assistive Technology Products</li> <li>Types of Assistive Technology Products</li> <li>Assistive Technology Products for Windows</li> </ul> </li> </ul> <p><b>Features</b></p> <ul style="list-style-type: none"> <li><b>Use Magnifier to Quickly Enlarge Items on Your Screen</b> Use Magnifier in Windows 8 to magnify your entire screen or just a portion of it. Choose one of three views: Full-screen, Lens, and Docked. Get the basics in this video tutorial. Learn how you can also use Magnifier in Windows 7.</li> <li><b>Get Microsoft Technical Support for Accessibility Questions and Issues</b> Microsoft agents provide assistance to customers who are looking for support with accessibility features and assistive technology, such as screen readers, screen magnifiers, and speech recognition commands.</li> <li><b>TechACCESS of RI Provides Microsoft Accessibility Training</b> At a Rhode Island Microsoft Accessibility Resource Center (MARC), youths and adults with visual impairments learn about the accessibility features of the Windows 8 Surface during the center's CyberVision program.</li> </ul> <p><b>Subscribe to the monthly newsletter</b> <b>Useful tutorials, guides, and files</b> <b>Find Section 508 VPATs for Microsoft products</b></p> <p><b>newsletter</b> <b>downloads</b> <b>VPATs</b></p>

<b>SEARCH TOOL:</b>	Google.com
<b>SEARCH STATEMENT:</b>	Accessible design for teachers
<b>AUTHORITY:</b>	National Center on Accessible Instructional Materials is an organization partnered with the US Department of Education's Office of Special Education Programs, the American Foundation for the Blind, and the PACER center along with CAST a non-profit dedicated to increasing opportunities for all individuals and provides research based content to assist teachers and instructional institutions.
<b>QUALITY:</b>	The site is visually attractive, well designed, organized, and contains a search feature. The site specifically address various groups and is beneficial for all.
<b>PRINT # 7:</b>	



<b>SEARCH TOOL:</b>	DuckDuckGo.com
<b>SEARCH STATEMENT:</b>	Accessible design for teachers
<b>AUTHORITY:</b>	This site is affiliated with several authorities in the field including the National Center for Accessible Instructional Materials and the National center on Universal Design for Learning.
<b>QUALITY:</b>	The site is attractive and well designed, the organization and navigation are comprehensive and well-done given the extensive content. The site is visually appealing and meets requirements for accessibility.
<b>PRINT # 9:</b>	



<b>SEARCH TOOL:</b>	DuckDuckGo.com
<b>SEARCH STATEMENT:</b>	Accessibility for Kids
<b>AUTHORITY:</b>	NanoGames site is created by its designers but references valid principles in accessible design.
<b>QUALITY:</b>	The site is not the most attractive, but it meets many guidelines for accessibility and is suitable for all users while providing information for everyone interested in games.
<b>PRINT # 10:</b>	<p>www.nanogames.com/games-for-kids.htm</p>  <p>The screenshot shows the NanoGames website. The header features the 'NANO GAMES' logo with the tagline 'Flexible Accessible Computer Games'. A navigation bar includes links for Home, Online Shop, About Us, and Contact Us. The main content area is titled 'Computer Games For Children With Disabilities' and includes a photo of a child and an adult playing a game. The text describes the games as being designed for players with a wide range of abilities, including those with disabilities. A list of features is provided, such as reduced game speeds, increased time limits, simplified game complexity, large game objects, and support for alternative access methods like single switch and touch screens. The sidebar contains links for 'BUY ONLINE', 'Reviews', 'Accessibility' (with sub-links for Low Vision, Single Switch, Touch Screen, Keyboards, Mouse / Headmouse, Eye Tracking, and Speech Recognition), 'Getting Started' (with sub-links for Change Game Settings, Edit The Game Menu, Improve Accessibility, and Easy Games), and 'Game Guide' (with sub-links for Bouncing, Color Balls, Connect, Find a Pair, Fission Balls, Gold Fishing, Hangman, Juggling, and Marble Lines).</p>