

Glossary and Index of Terms, Tools & Sites

Accessibility: A measure of the ability for anyone, including those with disabilities such as visual or hearing impairment, to access and use a web page.

Pages 210, 220

Accessibility Features: Web page design features that help make web pages accessible to all. E.g., alternative text that is attached to each picture that can be read aloud by special software for the visually impaired or captions for live audio.

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Alternative Text: Text that is attached to a picture that can be read aloud by "screen reader" software for the visually impaired. This text explains what the visually impaired person is not seeing.

Page 210

ARISS: Amateur Radio on the International Space Station

<http://www.arrl.org/ARISS/>

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Audacity (<http://audacity.sourceforge.net/>) is a free digital audio editor and recording application. Audacity is cross-platform and is available for Windows, Mac OS X, Linux, and BSD. <http://en.wikipedia.org/wiki/Audacity>

Pages 21, 33, 71, 82, 83, 117, 163, 190

Avatar is the three-dimensional representation of the computer user, used in computer games. [http://en.wikipedia.org/wiki/Avatar_\(computer\)](http://en.wikipedia.org/wiki/Avatar_(computer))

Page 189

BigHugeLabs provides an assortment of tools for creating magazine covers, posters, puzzles and much more. This web site doesn't require registration and copies of creations can be downloaded for free. <http://bighugelabs.com/>

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Blog - is an online "weblog" or journal website. Content is typically displayed in reverse chronological order. A blog offers features including comments, RSS feeds, and links.

Pages 17, 21, 23, 24, 27, 41, 55, 56, 59, 60, 61, 63, 66, 74, 85, 96, 97, 101, 103, 107, 113, 114, 116, 117, 124, 127, 128, 138, 144, 245, 192, 193, 205, 214, 218

Boolean logic is really just a set of rules for the manipulation of given inputs. It consists of a set of "logic gates", each of which is a different set of rules. The three main logic gates are **AND**, **OR**, and **NOT**. AND and OR require two inputs, whereas NOT only requires one. <http://library.thinkquest.org/19488/boolean.html>

Pages 110, 113

Bubbl.us is a simple and free web application that lets you create a visual representation online. <http://bubbl.us/> (see also Visual Organizer)

Pages 36, 85

Chat - Online chat can refer to any kind of communication over the Internet, but is primarily meant to refer to direct one-on-one chat or text-based group chat (formally also known as synchronous conferencing), using tools such as instant messengers, Internet Relay Chat, talkers and possibly MUDs. http://en.wikipedia.org/wiki/Online_chat

Pages 85, 111, 152, 163

Chat room: a site on the Internet where a number of users can Chat (see above) in real time.

Pages 21, 63

Class Response System - see Student Response System

Pages 23, 192, 197, 202

The **Cloud** - Computers attached to the Internet that connect those machines together to create massive, shared pools of storage and compute power that would be much larger than what any one institution could afford to build.

Pages 63, 144

Comment and Track Changes Features in Microsoft Word: Microsoft Word has tools that enable users to add textual and audio comments to the text of a document. It also has a tool named "Track Changes" that enables multiple users who are editing the same document to see what changes other users have made.

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The **Common Craft Company** focuses on building a library of educational videos on a variety of topics that are easy to understand for people without a technical background. The videos use stop-action animation with whiteboards and paper cutouts to illustrate the topic. http://en.wikipedia.org/wiki/Common_Craft

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Concept Mapping Software: Software that enables the user to diagram or map the relationships between concepts, facts, ideas, etc. Also called "graphic organizers" or "visual organizers." Such software can be helpful in collaborative brainstorming or in diagramming a plan for a presentation, paper, project, etc. Examples include [Inspiration](#), [Mindomo](#), and [cmap](#).

Pages 43, 120

Creative Commons (CC) is a non-profit organization devoted to expanding the range of creative works available for others to build upon legally and to share. The organization has released several copyright-licenses known as "Creative Commons" licenses. These licenses allow creators to communicate which rights they reserve and which rights they waive for the benefit of recipients or other creators.

http://en.wikipedia.org/wiki/Creative_Commons

Pages 34, 71, 91, 103, 111, 145, 176, 197, 201, 205, 210, 213, 214, 218

Data Collection Probes are digital sensors that can be connected to a computer or another digital data collection device (e.g., an iPhone). These probes can measure such physical and chemical properties as dissolved Oxygen, pH, current, temperature, light, etc. Data collected with these probes can then easily be organized and analyzed. Vernier is one of several manufacturers of data collection probes. Pasco is another.

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Delicious (<http://delicious.com/>) Delicious is a social bookmarking service that allows users to tag, save, manage, and share addresses (URLs) for web pages from a centralized source. With emphasis on the power of the community, Delicious greatly improves how people discover, remember, and share on the Internet.

Pages 110, 117, 124, 135, 209, 210, 214

A **Digital audio editor** is a computer application for audio editing, i.e. manipulating digital audio. http://en.wikipedia.org/wiki/Digital_audio_editor

Digital Camera - A **digital camera** (or **digicam** for short) is a camera that takes video or still photographs, or both, digitally by recording images via an electronic image sensor. Many compact digital still cameras can record sound and moving video as well as still photographs. http://en.wikipedia.org/wiki/Digital_camera

Pages 11, 16, 21, 24, 26, 51, 53, 60, 66, 71, 75, 97, 106, 107, 144, 154, 186, 190

Digital Footprint- evidence left behind after visiting web sites or using a computer

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Digital Presentation is an electronic way of presenting information.

Pages 142, 168, 187

Digital Tape Measure has a digital readout for more precise accuracy.

Page 148

Digital Story: A story told using multi-media tools. Digital stories typically include text, voice, music, and pictures or video.

Pages 16, 27, 33, 80, 197

Digital Story Telling is an emerging term, one that arises from a grassroots movement that uses new digital tools to help ordinary people tell their own 'true stories' in a compelling and emotionally engaging form. These stories usually take the form of a relatively short story (less than 8 minutes) and can involve interactivity.

http://en.wikipedia.org/wiki/Digital_storytelling

Page 197

Digital Voice Recorder/Dictation Machine is a sound recording device most commonly used to record speech for later playback or to be typed into print.

http://en.wikipedia.org/wiki/Digital_voice_recorder

Pages 13, 31, 33, 34, 36, 40, 41, 51, 75, 107, 113, 163

Discovery Education Streaming is an online video-on-demand teaching service that is correlated to state K-12 curriculum standards and features up to 7,700 full length videos

and 77,000 video clips, as well images, audio files, lesson plans, a quiz builder, assignment builder, writing prompts, and online self-paced professional development.
<http://corporate.discovery.com/brands/education/discovery-education-streaming/>

Page 34

Document cameras, also known as visual presenters, digital visualizers, ("visualisers" in the United Kingdom) digital overheads, and docucams, are real-time image capture devices for displaying an object to a large audience. They are, in essence, high-resolution web cams, mounted on arms so as to facilitate their placement over a page. This allows a teacher, lecturer or presenter to write on a sheet of paper or to display a two or three-dimensional object while the audience watches.

http://en.wikipedia.org/wiki/Document_camera

Pages 34, 93, 106, 190

Drawing and Painting Applications provide tools for creativity and self-expression. (Example: Microsoft Paint)

Examples that must be purchased include: KidPix and HyperStudio. There are several Web 2.0 drawing and painting tools available, such as <http://artpad.art.com>, <http://bomomo.com/>, <http://www.onlinesketchpad.com/>, <http://www.sumopaint.com/home/>.

Pages 11, 16, 151, 217

Easy Who Is: web site that shows the organizations that create web pages

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

Pages 113, 124

Ebook reader-device used to display ebooks

Page 126

Eco-School "is a program for environmental management and certification, designed to implement sustainable development education in schools by encouraging children and youth to take an active role in how their school can be run for the benefit of the environment." <http://www.eco-schools.org>

Edublogs is a blog hosting website that provides free (or almost free) educational blogs with a user-friendly interface and various options for customization. <http://edublogs.org>

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ed.Voicethread - see Voicethread

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An **electronic portfolio**, also known as an **e-portfolio** or **digital portfolio**, is a collection of electronic evidence assembled and managed by a user, usually on the Internet. Such electronic evidence may include text, images, multimedia, and hyperlinks. E-portfolios are both demonstrations of the user's abilities and platforms for self-expression, and, if they are online, they can be maintained dynamically over time. Some e-portfolio applications permit varying degrees of audience access, so the same portfolio might be used for multiple purposes. http://en.wikipedia.org/wiki/Electronic_portfolio

Page 214

email - **Electronic mail**, often abbreviated as **email**, **e.mail** or **e-mail**, is a method of exchanging digital messages.

Pages 21, 26, 60, 64, 73, 82, 84, 90, 96, 100, 113, 131, 132, 142, 143, 144, 147, 148, 185, 186, 189, 190, 192, 193, 214

ePals is a website that allows teachers and students to connect globally and collaborate safely. <http://www.epals.com/>

Pages 41, 53, 73, 82, 83, 91, 106, 126, 127, 176 186, 192, 193, 210

EtherPad is a web-based collaborative real-time editor, allowing up to eight people to edit a text document at the same time, and see all of the participants' edits in real-time, each in their own color. Participants can permanently save revisions at any time, and it provides a separate chat box in the sidebar. <http://en.wikipedia.org/wiki/Etherpad>

Pages 71, 111, 196

Excel (Microsoft Office Excel) is a spreadsheet application created and distributed by Microsoft. http://en.wikipedia.org/wiki/Microsoft_Excel

Pages 30, 33, 80, 158, 171

Facebook is a global social networking website that is operated and privately owned by Facebook, Inc. Users can add friends and send them messages, and update their personal profiles to notify friends about themselves. Additionally, users can join networks organized by city, workplace, school, and region. <http://en.wikipedia.org/wiki/Facebook>

Pages 37, 47, 79, 86, 157, 209, 210, 213, 224

Facebook Discussion Forum: A facebook feature that enables multiple people to have a discussion online. One person posts a statement or question; others comment or reply.

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Fair Use "...is a doctrine in United States copyright law that allows limited use of copyrighted material without requiring permission from the rights holders, such as for commentary, criticism, news reporting, research, teaching, or scholarship. It provides for the legal, non-licensed citation or incorporation of copyrighted material in another author's work under a four-factor balancing test"

(Source: http://en.wikipedia.org/wiki/Fair_use)

Pages 113, 175, 176, 177, 197, 210, 210

FITNESSGRAM was developed in 1982 by The Cooper Institute in Dallas, Texas. The objective was to increase parental awareness of children's fitness levels by developing an easy way for physical education teachers to report the results of physical fitness assessments. Student's are assessed in three general areas of health-related fitness. Scores are evaluated against objective criterion standards that indicate a level of fitness necessary for health. <http://www.cooperinstitute.org/ourkidshealth/fitnessgram/index.cfm>

Pages 151, 152

Flash Video is a container file format used to deliver video over the Internet using Adobe Flash Player, The format has quickly established itself as the format of choice for embedded video on the web. http://en.wikipedia.org/wiki/Flash_video

Page 159

Flickr is an image and video hosting website, web services suite, and online community platform. In addition to being a popular website for users to share personal photographs, the service is widely used by bloggers as a photo repository.

<http://en.wikipedia.org/wiki/Flickr>

Pages 34, 71, 73, 180, 197, 205, 214

Flip

is the name brand of a popular, easy to use video recording device which allows video to be loaded directly to a computer with a pop out USB connector.

Pages 31, 34, 36, 117, 154, 167, 201

FreeTranslation.com: A web site (one of several) that translates text typed in one language to another language.

Page 79

Friend: (n) A Facebook term used to refer to a person you trust who you allow to access private content on your Facebook page. (v) To friend someone is to designate them to be one of your Facebook friends, and thus gain access to your private content.

Pages 37, 209

Geni.com is a genealogy-related social networking website launched in beta mode on January 16, 2007 by Web 2.0 company Geni, Inc. <http://en.wikipedia.org/wiki/Geni.com>

Page 36

GIMP (The GNU Image Manipulation Program) is a free software raster graphics editor. Primarily, GIMP is used as a tool for photo manipulations,[3] such as resizing, editing, and cropping photos, combining multiple images, and converting between different image formats. GIMP can also be used to create basic animated images in the GIF format. <http://en.wikipedia.org/wiki/GIMP>

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Global SchoolNet's "mission is to support 21st century learning and improve academic performance through content driven collaboration. We engage teachers and students in meaningful project learning exchanges with people worldwide to develop literacy and communication skills, foster teamwork and collaboration, encourage workforce preparedness and create multi-cultural understanding. We prepare youth for full participation as productive and effective citizens in an increasing global economy." <http://globalschoolnet.org/>

Pages 51,106

Glog may refer to: a graphics blog or graphical blog; online rich media poster <http://en.wiki/Glog>

Pages 21, 73, 74, 91, 117

Glogster is a tool that can be used to create interactive, multimedia posters with images, text, and music. <http://www.glogster.com/>

Pages 21, 73, 74, 91, 117, 127, 128, 186

Google: (n) Probably the most popular "search engine" on the World Wide Web--a web site that is designed to search for information on the Internet. (v) To Google someone is to use Google to search for information about that person on the web.

Pages 124, 126, 209

Google Docs is a free, Web-based word processor, spreadsheet, presentation, and form application offered by Google. It allows users to create and edit documents online while collaborating in real-time with other users. http://en.wikipedia.org/wiki/Google_docs

Pages 21, 23, 26, 36, 61, 63, 101, 103, 107, 120, 121, 134, 153, 155, 158, 163, 176, 201, 214

Google Document is the word processor (similar to Microsoft Word) in Google Docs.

Pages 63, 67, 138, 151, 196

Google Earth is a virtual globe, map, and geographic information program that was originally called Earth Viewer and was created by Keyhole, Inc, a company acquired by Google in 2004. It maps the Earth by the superimposition of images obtained from satellite imagery, aerial photography, and GIS on a 3D globe.

http://en.wikipedia.org/wiki/Google_Earth

Pages 11, 12, 33, 53, 60, 61, 67, 70, 71, 80, 91, 154, 155, 163, 170, 171, 172, 175, 181

Google Form is a flexible data entry and survey development interface with built-in reporting using Google Spreadsheets (see also Google Docs)

Pages 26, 30, 43, 60, 63, 96, 121, 137, 151, 152, 158, 163, 186

Google Maps is a web mapping service application and technology provided by Google free (for non-commercial use), that powers many map-based services, including the Google Maps website ... According to one of its creators (Lars Rasmussen), Google Maps is "a way of organizing the world's information geographically"

http://en.wikipedia.org/wiki/Google_maps

Pages 53, 56, 138, 154, 164, 226

Google Presentation is the presentation tool (similar to Microsoft PowerPoint) in Google Documents

Pages 55, 59, 60, 127, 128, 138, 142, 152

Google Sites is an online application that makes creating a team website as easy as editing a document. With Google Sites, you can quickly gather a variety of information in one place -- including videos, calendars, presentations, attachments, and text -- and easily share it for viewing or editing with a small group, an entire organization, or the world. <http://www.google.com/support/sites/bin/answer.py?hl=en&answer=90447>

Page 196

Google Sketch Up is used to create, modify and share 3D models. This is a free piece of software that you download. <http://sketchup.google.com/>

Pages 60, 148, 171

Google Spreadsheet is the spreadsheet tool (similar to Microsoft Excel) in Google Docs
Pages 43, 44, 80, 121, 131, 135, 138, 141, 151, 163, 192, 214

Google Survey: An on-line survey created using Google Form.
Pages 33, 34

Google Translate is Google's free on-line translation service. It gives you the ability to translate words and sentences to many different languages.
Pages 79, 190, 191

Google Translate Gadget is Google Translate in a "gadget" that can be added to any web page. (A gadget is a tool that can be added to a web page to add functionality to that page. See <http://www.google.com/webmasters/gadgets/> for more info.)
Page 79

Google Wave - Google's latest tool for collaboration and communication
Pages 167, 186

GPS - informally, any global navigation device, especially an automotive navigation system, used with the Global Positioning System, a U.S. space-based global navigation satellite system. It provides reliable positioning, navigation, and timing services to worldwide users on a continuous basis in all weather, day and night, anywhere on or near the Earth. http://en.wikipedia.org/wiki/GPS_%28disambiguation%29 and http://en.wikipedia.org/wiki/Global_Positioning_System
Pages 75, 76, 80, 154

Graphic Organizer (see Visual Organizer)
Pages 16, 21, 23, 36, 37, 46, 47, 59, 60, 73, 75, 76, 83, 85, 86, 96, 97, 101, 106, 113, 116, 123, 133, 137, 178, 186

Group (on Facebook)--A limited set of people who have access to a section of Facebook that you set up just for that group.

Group Discussion (on Facebook)--A forum for discussing topics on Facebook, limited to members of a group.
Pages 209

HyperStudio is a multimedia authoring tool that provides relatively simple methods for combining varied media. <http://en.wikipedia.org/wiki/Hyperstudio>
Page 14

Individual Response System - see Student Response System
Pages 23, 192, 197, 202

Infrared Cameras allow you to take pictures at night without a flash.
Pages 144

Inspiration (see Visual Organizer)
Pages 120, 210

InspireData is billed as a visual database. Students use InspireData® to investigate, analyze, and represent data and information in dynamic graphs and charts.

<http://www.inspiration.com/inspiredata>

Pages 27, 134

An **interactive whiteboard**, or IWB, is a large interactive display that connects to a computer and projector. A projector projects the computer's desktop onto the board's surface, where users control the computer using a pen, finger or other device. The board is typically mounted to a wall or on a floor stand.

http://en.wikipedia.org/wiki/Interactive_whiteboard (see also SMART Board)

Pages 11, 13, 14, 17, 26, 46, 51, 90, 94, 106, 131, 137, 147, 175, 176, 181, 218

Internet - The **Internet** is a global system of interconnected computer networks that use the standard Internet Protocol Suite (TCP/IP) to serve billions of users worldwide.

<http://en.wikipedia.org/wiki/Internet>

Pages 16, 26, 30, 40, 43, 44, 46, 59, 72, 73, 79, 83, 85, 92, 96, 100, 101, 103, 106, 116, 120, 123, 124, 138, 141, 142, 145, 155, 162, 163, 164, 166, 167, 176, 182, 185, 192, 199, 204, 205, 206

iPhone is an Internet and multimedia enabled smartphone designed and marketed by Apple Inc. Because its minimal hardware interface lacks a physical keyboard the multitouch screen renders a virtual keyboard when necessary. The iPhone functions as a camera phone (also including text messaging and visual voicemail), a portable media player (equivalent to a video iPod), and an Internet client (with email, web browsing, and Wi-Fi connectivity). Current models also have GPS functionality.

<http://en.wikipedia.org/wiki/IPhone>

Pages 75, 76, 80, 163

issuu is an online area where you can publish your work in different formats.

<http://issuu.com/>

Pages 21, 60, 61, 66, 142, 187

iTunes is a digital media organization and sharing application by Apple.

Pages 31, 44, 83

iTunes U "...is a part of the iTunes Store (Apple Inc) featuring free lectures, language lessons, audio books, and more, that you can enjoy on your iPod, iPhone, Mac or PC. (Source: <http://www.apple.com/education/guidedtours/itunesu.html>)

Page 44

Jing is a screencasting software launched in 2007 as Jing Project by the TechSmith Corporation. The software takes a picture or video of the user's computer screen and uploads it to the Web, FTP, computer or clipboard. A URL is automatically created and can be shared with others to view or access the uploaded file.

[http://en.wikipedia.org/wiki/Jing_\(software\)](http://en.wikipedia.org/wiki/Jing_(software))

Pages 33, 106, 107, 197

KidPix is a bitmap drawing program aimed at children. <http://en.wikipedia.org/wiki/KidPix>

Pages 14, 135, 179

Kindle is a software and hardware platform for reading electronic books (e-books), developed by Amazon.com

Pages 20, 106, 215

A **KMZ file** is a special kind of document used to store information about Google Earth placemarks. Users can create a series of placemarks, including text, pictures, and links, and save them to a KMZ file. They can then share the KMZ file with others, who can open it and see the placemarks and all of the associated information.

Pages 71, 80

Knol- a Google project that allows users to publish and write articles on the web.

Pages 127, 128

LISTSERV was the first electronic mailing list software application, consisting of a set of email addresses for a group in which the sender can send one email and it will reach a variety of people <http://en.wikipedia.org/wiki/LISTSERV>

Page 152

LNV (Learning Network of Vermont) - The Learning Network of Vermont (LNV) is a video conferencing system that uses the Internet to connect Vermont schools to each other and the world. LNV members can participate in videoconferences with other LNV members as well as other sites anywhere on the Internet.

Pages 37, 46, 47, 117, 158, 202, 210, 217

Lulu- Lulu.com lets you publish and sell print-on-demand books and e-books, online music and images, custom calendars and books.

Pages 17, 138

ManyMoon is a collaborative, online project planning system. Users can create and manage tasks, projects, timesheets, and more. ManyMoon offers both free and commercial versions.

Pages 162, 164

Microsoft Excel is a spreadsheet tool developed by Microsoft. It can be used to perform a vast array of calculations, to create graphs, and to analyze data with a variety of powerful tools.

Pages 30, 80

Microsoft Paint is a simple graphics painting program that has been included with all versions of Microsoft Windows. http://en.wikipedia.org/wiki/Microsoft_Paint

Page 14

Microsoft Publisher, officially **Microsoft Office Publisher**, is a desktop publishing application from Microsoft. It is an entry-level application, differing from Microsoft Word in that the emphasis is placed on page layout and design rather than text composition and proofing. http://en.wikipedia.org/wiki/Microsoft_publisher

Page 117

Microsoft Word is a word processor designed by Microsoft.
http://en.wikipedia.org/wiki/Microsoft_word
Pages 134, 176

A **mind map** is a diagram used to represent words, ideas, tasks, or other items linked to and arranged around a central key word or idea. Mind maps are used to generate, visualize, structure, and classify ideas, and as an aid in study, organization, problem solving, decision making, and writing. (See Visual Organizer) http://en.wikipedia.org/wiki/Mind_map
Page 151

Mindomo is online, collaborative mind mapping software where users can create, view, and share mind maps in their browser. Mindomo is offering the basic services for free, while charging for advanced features. Unregistered users can view the mind maps, while registered users are permitted to create and share mind maps. The free version limits the number of private maps to seven and disables some special features like spell checking.
<http://en.wikipedia.org/wiki/Mindomo>
(See Visual Organizer)
Pages 36, 43, 73, 79, 80, 113, 154

Mobi is an interactive wireless table that communicates with an interactive whiteboard.
Page 147

Moodle is a free, open source course management system that offers features such as wikis, podcasts, journals, forums, and web pages to organize and share content.
Pages 30, 196, 200

MP3 a patented digital audio encoding format. It is a common audio format for consumer audio storage, as well as a de facto standard of digital audio compression for the transfer and playback of music on digital audio players. <http://en.wikipedia.org/wiki/MP3>
Pages 53, 107, 201

Multimedia projects are those using more than traditional print. They might include audio, visual, video, interactive web sites, and/or text.
Pages 20, 23, 24, 40, 46, 47, 66, 70, 73, 100, 114, 116, 126, 127, 190, 196, 218

My Punch Bowl is a place where you can design and send out electronic invitations.
<http://www.mypunchbowl.com/>

A **Netbook** (sometimes also called mini notebook or ultraportable) is a rapidly evolving category of small, light, and inexpensive laptop computers suited for general computing and accessing web-based applications. <http://en.wikipedia.org/wiki/Netbook>
Pages 51, 100, 103, 106, 107, 131, 141, 144, 148, 163, 175

Ning is a social networking tool. It competes with large social sites like MySpace and Facebook by appealing to people who want to create their own social networks around specific interests with their own visual design, choice of features, and member data. The unique feature of Ning is that anyone can create their own social network for a particular

topic or need, catering to specific membership bases.

http://en.wikipedia.org/wiki/Ning_%28website%29

Pages 37, 70, 71, 79, 85, 86, 164

Pasco Pasport Sensors offers more than 70 sensors to measure virtually anything. The PASPORT sensor line is all-digital, each sensor a computing device of its own complete with digital chip on board. With PASPORT, students can collect data with or without computers, even wirelessly.

<http://www.pasco.com/products/probeware/pasport/Index.cfm>

Pages 51, 201

PBWorks is a service that hosts wikis for any user. PBWorks offers both free and commercial options, and has both a user-friendly interface as well as powerful editing tools. Many Vermont teachers use PBWorks as their wiki site.

Pages 30, 79, 171, 196, 197

Photo Story is a free application that allows users to create a show and tell presentation from their digital photos. [1] The software uses the Ken Burns Effect on digital photos and allows adding narration, effects, transitions and background music to create a Windows Media Video movie file with pan and zoom effects. Once a photo story has been made it can be played on Windows Media Player or burned to a DVD or CD.

http://en.wikipedia.org/wiki/Photo_Story

Pages 14, 16, 21, 27, 33, 66, 148

Picasa is a software application for organizing and editing digital photos.

<http://en.wikipedia.org/wiki/Picasa>

Pages 76, 101, 145

Picnik is an online photo editor.

Page 107

A **podcast** is a series of digital media files, either audio or video, that is released episodically and downloaded through web syndication. The mode of delivery is what differentiates podcasts from other ways of accessing media files over the Internet, such as simple download or streamed webcasts: special client software applications known as podcatchers (like iTunes, Zune, Juice, and Winamp) are used to automatically identify and download new files in the series when they are released by accessing a centrally-maintained web feed that lists all files associated with the series. New files can thus be downloaded automatically by the podcatcher and stored locally on the user's computer or other device for offline use, giving simpler access to episodic content

<http://en.wikipedia.org/wiki/Podcasts>

Pages 31, 33, 36, 37, 73, 74, 83, 97, 117, 127, 128, 163, 193, 205, 218

Podomatic is a web-based tool for creating, finding and sharing podcasts.

Page 117

Portaportal: free web based book marking site <http://www.portaportal.com/>

Page 124

Prezi—a zooming presentation editor
Pages 127, 128, 213

Probes--See Data Collection Probes
Pages 80, 144, 145, 166, 167, 201

Project-Based Learning is "... an instructional approach built upon authentic learning activities that engage student interest and motivation. These activities are designed to answer a question or solve a problem and generally reflect the types of learning and work people do in the everyday world outside the classroom.
<http://pbl-online.org/About/whatisPBL.htm>
Pages 43, 103

RSS Feeds (Really Simple Syndication) is a summary of frequently updated content on the web (such as from a blog or a news source) that people can subscribe to in order to receive automatic updates (feeds).
Pages 30, 79, 113

Rubistar - Rubistar offers a variety of features to assist teachers who may not have time to create rubrics from scratch. It also serves as a tool to introduce the concept to beginning teachers who may have little experience in the development and use of rubrics. The site houses a collection of generic rubrics displayed in a format that can be customized. <http://www.learnnc.org/lp/external/2062>
Page 34

Safe search web sites provide a large database of filtered kid safe sites. Some examples include <http://www.askkids.com/>, <http://kids.yahoo.com/>, <http://www.onekey.com/>, <http://cybersleuth-kids.com/> and <http://www.kidzsearch.com/>. Google also provides a safe search option (<http://www.google.com/preferences>).
Pages 90, 96, 131, 175, 182

Scopia Desktop—A “webinar”/video conferencing service that enables multiple people at different locations to take part in an online meeting. Each user of the Learning Network of Vermont (LNV) has a free account and can set up meetings with anyone on the Internet. The leader can share his/her desktop with the participants, participants can see and hear each other using web cameras, and the “meetings” can be recorded and played back at a future time.
Page 164

ScrapBlog a digital scrapbook
Pages 107, 218

Screencast is a digital recording of computer screen output, also known as a video screen capture, often containing audio narration (<http://en.wikipedia.org/wiki/Screencast>)
Pages 33, 197

Shortwave Receiver is a device that receives radio broadcasts on a portion of the radio spectrum in the frequency range of 3-30 MHz. <http://en.wikipedia.org/wiki/Shortwave>
Page 193

Simulation is a computer program that attempts to simulate or model the working of real world systems and processes. For example, meteorologists use computer simulations to model complex weather systems so they can predict future weather. Computer simulations allow users to explore how changes in certain conditions or variables impact the processes the simulation is modeling. For example, a simulation of a river might allow users to change the amount of pollution being dumped into the river to explore the impact on fish in the river. Example: Stella

Pages 43, 44, 121, 128

Skype is a free software application that allows users to make voice calls (i.e., "telephone calls") over the Internet. The software also supports video-conferencing between users with web cameras, online chats, and conference calls.

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Slideshare-presentation sharing website

Pages 127, 128, 218

SMART Board is an interactive whiteboard developed by SMART Technologies.

http://en.wikipedia.org/wiki/Smart_board

Pages 33, 75, 154, 162, 204, 209, 218

SMART Response Clickers are handheld wireless devices that enable students to answer factual or opinion questions based on true/false, yes/no or multiple choice type questions. The SMART Response system automatically collects those answers and displays a summary of all responses on a computer screen, a projection screen, and/or a SMART Board.

Pages 162, 202

Social bookmarking is a method for Internet users to store, organize, search, and manage bookmarks of web pages on the Internet with the help of metadata, typically in the form of tags that collectively and/or collaboratively become a folksonomy. Folksonomy is also called social tagging, "the process by which many users add metadata in the form of keywords to shared content".

http://en.wikipedia.org/wiki/Social_bookmarking

Pages 117, 124

Social Network Services focus on building online communities of people who share interests and/or activities, or who are interested in exploring the interests and activities of others. A social network service essentially consists of a representation of each user (often a profile), his/her social links, and a variety of additional services. Most social network services are web based and provide a variety of ways for users to interact, such as e-mail and instant messaging services.

http://en.wikipedia.org/wiki/Social_network_service

Pages 37, 70, 85

Soil Electromagnetic Sensor is a digital sensor that can detect the physical and chemical properties of soil.

Page 148

Smart phone - a mobile phone offering advanced capabilities, often with PC-like functionality. For some, a smartphone is a phone that runs complete operating system software providing a standardized interface and platform for application developers. For others, a smartphone is simply a phone with advanced features like e-mail, Internet, e-book reader capabilities, and/or a built-in full keyboard ... In other words, it is a miniature computer that has phone capability. http://en.wikipedia.org/wiki/Smart_phone

Pages 154, 164

Steganography is the art and science of writing hidden messages in such a way that no one, apart from the sender and intended recipient, suspects the existence of the message, a form of security through obscurity. <http://en.wikipedia.org/wiki/Steganography>

Pages 204, 206

Storyboards are graphic organizers such as a series of illustrations or images displayed in sequence for the purpose of pre-visualizing a motion picture, animation, motion graphic or interactive media sequence, including website interactivity.

http://en.wikipedia.org/wiki/Story_board

Page 41

Streaming Video is when video sent in compressed form over the Internet and displayed by the viewer in real time.

Page 106

Student Response Systems (SRS) is a technological way to assess students, more commonly known as Audience Response Systems. The instructor is able to ask objective and subjective questions to each student. The questions come from a computer, and are displayed for each student to view. Each student can answer their test questions at their own pace and respond with a remote control device ("clicker"). A radio or infrared transmitter picks up the student's response and sends it to the computer, which stores the responses and can provide detailed reports. This system allows instructors to obtain immediate feedback from each student. The system keeps a log of every class session, so student records are always available.

http://en.wikipedia.org/wiki/Student_Response_Systems

Pages 23, 192, 197, 202

Subscription for a Delicious Tag--Delicious users can "subscribe" to a tag. This causes Delicious to collect all items that have that same tag and to display them in one location. Users can subscribe to a tag used by a single, specified Delicious user or by all Delicious users.

Survey Monkey is a tool for creating online surveys.

Page 30

Tag (n or v)/Tagging - In online computer systems terminology, a **tag** is a keyword or term assigned to a piece of information (such as an internet bookmark, digital image, or computer file). This kind of metadata helps describe an item and allows it to be found again by browsing or searching for the tag. Tags are generally chosen informally and personally by the item's creator or by its viewer, depending on the system. Tagging was popularized by websites associated with Web 2.0 and is an important feature of many Web 2.0 services. It is now also part of some desktop software. For example, Delicious

users can tag web pages with keywords such as energy or solar energy. When a user searches for the energy tag, s/he would be presented with all the web pages that have been tagged with that keyword. (http://en.wikipedia.org/wiki/Tag_%28metadata%29)
Pages 66, 76, 210

TeacherTube is an "...online community for sharing instructional videos. We seek to fill a need for a more educationally-focused, safe venue for teachers, schools, and home learners. It is a site to provide anytime, anywhere professional development with teachers teaching teachers. As well, it is a site where teachers can post videos designed for students to view in order to learn a concept or skill."
<http://www.teachertube.com/staticPage.php?pg=about>
Page 43

Teen Second Life-a virtual world for teens
Page 218

Text to Speech: tools that "read" aloud the words on a computer screen. Example:
<http://www.readplease.com/>
Pages 97, 124, 182

Tiny.cc: Tiny.cc turns a ridiculously long URL into a tiny URL...
<http://vttgfollowup.pbworks.com/Glossary#view=editrt>

Transfer Fabric Sheets- Special sheets of fabric that can be put into your printer and be printed on.
Page 187

Twitter- social networking site that allows users to send short messages called "tweets".
Pages 46, 47, 59, 61, 85, 86, 101, 137, 138, 181

Vernier Data Collection Probes--See Data Collection Probes
Pages 80, 167,

Video Chat--See videoconferencing
Page 162

Videoconferencing is a way of communicating with video, audio, and text through a computer or TV system.
Pages 37, 43, 56, 73, 113, 117, 158

A **virtual world** is a genre of online community that often takes the form of a computer-based simulated environment, through which users can interact with one another and use and create objects. http://en.wikipedia.org/wiki/Virtual_world
Pages 189, 190

Virtual Tour is a computer presentation of a real place where geometrical properties of space are conveyed to a human so that he or she feels as if he or she is actually there.
Pages 97, 144

Visual Organizer, also known as Graphic Organizer, Concept Mapping Software, or Mind Mapping Software-- that enables the user to diagram or map the relationships between concepts, facts, ideas, etc. Such software can be helpful in collaborative brainstorming or in diagramming a plan for a presentation, paper, project, etc.

Pages 76, 90, 91, 132, 162, 204

The **Visual Ranking Tool** brings focus to the thinking behind making ordered lists. Students identify and refine criteria as they assign order or ranking to a list. They must explain their reasoning and can compare their work with each other in a visual diagram. This tool supports activities where students need to organize ideas, debate differences, and reach consensus. <http://educate.intel.com/en/thinkingtools/Visualranking/>

Vodcast- a video podcast (see Podcast)

Pages 37, 117

Voice over Internet Protocol (VoIP) is a general term for a family of transmission technologies for delivery of voice communications over IP networks such as the Internet or other packet-switched networks.

(http://en.wikipedia.org/wiki/Voice_over_Internet_Protocol)

VoiceThread - A VoiceThread is a collaborative, multimedia slide show that holds images, documents, and videos and allows people to navigate pages and leave comments in 5 ways - using voice (with a microphone or telephone), text, audio file, or video (via a webcam). <http://voicethread.com/about/>

Pages 12, 34, 40, 71, 76, 94, 192, 218

WAVE Web Site—“WAVE is a free web accessibility evaluation tool provided by [WebAIM](http://webaim.org/). It is used to aid humans in the web accessibility evaluation process. Rather than providing a complex technical report, WAVE shows the original web page with embedded icons and indicators that reveal the accessibility of that page.” (Source: <http://wave.webaim.org/>)

Page 167

Way Back Machine: a tool that maps the history of a web site. Even when a site is modified, or things are deleted, tools like Way Back Machine can show what was originally on there. <http://www.archive.org/>

Page 124

A **WebQuest**, as implied by the name, is an inquiry-based, on-line learning activity. During this activity students work groups, dividing assignments among each other, so that everyone participates in a group-assigned role. The objective of the activity is to promote "transformative" learning outcomes, accomplished through the reading, analysis, and synthesis of Web-based material. <http://webquest.org/search/index.php>

Pages 16, 67, 124

Widget - is a tool that can be embedded on a blog or a webpage to run an application or hold information (for example, video, text, links, images, etc.)

Pages 56, 113

Wiki - A **wiki** is a type of collaborative software program that typically allows web

pages to be created and collaboratively edited using a common web browser. Web sites running such programs are themselves referred to as wikis.

(http://en.wikipedia.org/wiki/Wiki_software) Examples: <http://www.pbworks.com>, www.wetpaint.com, www.wikispaces.com

Pages 20, 30, 37, 40, 41, 47, 63, 64, 66, 67, 70, 73, 76, 79, 80, 96, 97, 106, 107, 111, 117, 120, 124, 141, 142, 143, 145, 147, 148, 154, 162, 171, 176, 186, 187, 192, 193, 196, 200, 201, 205, 209, 210, 213

Wikipedia (pronounced WI-ki-PEE-dee-ə) is a free, web-based, collaborative, multilingual encyclopedia project supported by the non-profit Wikimedia Foundation. Its name is a portmanteau of the words wiki (a technology for creating collaborative websites, from the Hawaiian word wiki, meaning "quick") and encyclopedia. Wikipedia's 14 million articles (3.1 million in English) have been written collaboratively by volunteers around the world and almost all of its articles can be edited by anyone with access to the site. (<http://en.wikipedia.org/wiki/Wikipedia>)

Pages 63, 64, 111

Windows Movie Maker is a basic video creating/editing software included in Microsoft Windows. It contains features such as effects, transitions, titles/credits, audio track, timeline narration, and Auto Movie. Windows Movie Maker is also a basic audio track editing program. It can apply basic effects to audio tracks such as fade in or fade out. (http://en.wikipedia.org/wiki/Windows_Movie_Maker)

Pages 132, 190, 201

Word Cloud - A **tag cloud** or **word cloud** (or **weighted list** in visual design) is a visual depiction of user-generated tags, or simply the word content of a site, used typically to describe the content of web sites. Tags are usually single words and are typically listed alphabetically, and the importance of a tag is shown with font size or color. Thus both finding a tag by alphabet and by popularity is possible. The tags are usually hyperlinks that lead to a collection of items that are associated with a tag.

http://en.wikipedia.org/wiki/Tag_cloud

Page 151

Wordle is a device for generating “word clouds” from text that you provide.

<http://www.wordle.net/>

Page 21

YouTube is a video sharing web site on which users can upload and share videos.

Pges 31, 47, 79, 80, 82, 86, 110, 124, 127, 128, 176, 177, 200, 201, 202, 213

Zoho is a Web- based online office suite containing word processing, spreadsheets, presentations, databases, note-taking, wikis, CRM, project management, invoicing and other applications developed by ZOHOO Corporation.

<http://en.wikipedia.org/wiki/Zoho>

Page 134

ZON is a multi-player online role-playing game for learning about the Chinese culture and speaking Mandarin Chinese.

Pages 189, 190