

Information Literacy

The ability to know where there is a need for information, to be able to identify, locate, evaluate, and effectively use that information for an issue or problem at hand.

~ as defined by the National Forum on Information Literacy

The student who is information literate accesses information efficiently and effectively, evaluates information critically and competently, and uses information accurately and creatively.

~ American Library Association — Information Literacy Standards 1-3

“Finding information today is easy; but finding the best and most relevant and reliable source of information is difficult. A student’s academic success in problem solving, in becoming an informed citizen, even in pursuing his own personal interests depends greatly upon his ability to access, use and evaluate information from a wide range of resources.”

~ Information Literacy: Florida’s Library Media/Curriculum Connections – 2003

Students will develop an understanding of and be able to select and use information and communication technologies.

~ ITEA: Standards for Technological Literacy: Content for the Study of Technology, Standard 17

Technology research tools: Students use technology to locate, evaluate, and collect information from a variety of sources. Students use technology tools to process data and report results. Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

~ ISTE NET-S

"Information literacy is needed to guarantee the survival of democratic institutions. All men are created equal but voters with information resources are in a position to make more intelligent decisions than citizens who are information illiterates."

~ U.S. Representative Major R. Owens

Information Literacy

- ❑ National Forum on Information Literacy
<http://infolit.org>
- ❑ ALA – Information Literacy
<http://www.ala.org/ala/acrl/acrlissues/acrlinfolit/informationliteracy.htm>
- ❑ Information Literacy: Florida’s Library Media Curriculum Connections
<http://www.firn.edu/doe/instmat/ilflmcc.htm>
- ❑ National Educational Technology Standards for Students
http://cnets.iste.org/students/s_stands.html
- ❑ FIU Information Literacy Bibliography
<http://www.fiu.edu/~library/ili/biblio.html>
- ❑ Directory of Online Resources for Information Literacy
<http://bulldogs.tlu.edu/mdibble/doril/index.html>

Search Strategies

- What do you want to find?
 - write out in one or two sentences
 - know what you are looking for and what you are not looking for
 - who, what, where, when, how, why
- Identify keywords
 - use nouns and objects
 - consider synonyms and variant forms
 - check spelling
 - use 6 to 8 keywords
- Combine keywords, whenever possible, into phrases
- Avoid common words, unless they're part of a phrase
- Think about words you'd expect to find in the body of the page, use them as keywords
- Learn the search site's features
 - use the Advanced/Power Search features
 - Boolean Operators are your friends
- Searching is a skill – it takes time and practice to develop
 - Be patient
 - Be persistent
 - Be aware
 - Be organized
 - Be creative
 - Be decisive
- Experiment with a variety of search sites
 - then narrow your choices to a favorite few
 - learn the “secrets” of these sites

Boolean, Proximity, Truncation, Wildcard, & Field Operators

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> AND or + | <input type="checkbox"/> N or NEAR |
| <input type="checkbox"/> NOT or – | <input type="checkbox"/> WITHIN or W |
| <input type="checkbox"/> OR | <input type="checkbox"/> NOT W |
| <input type="checkbox"/> “ ” (quotes) | <input type="checkbox"/> ADJ |
| <input type="checkbox"/> () (parenthesis) | <input type="checkbox"/> TITLE |
| <input type="checkbox"/> * ? \$ # (truncation/wildcards) | <input type="checkbox"/> URL |
| <input type="checkbox"/> ~ (tilde) | <input type="checkbox"/> LINK |

Student Friendly Search Sites

- AOL@School <http://www.aolatschool.com/>
- KidsClick <http://sunsite.berkeley.edu/KidsClick!/>
- Awesome Library <http://www.awesomelibrary.org>
- ALA Great Web Sties for Kids <http://www.ala.org/greatsites>
- Ithaki for Kids <http://kids.ithaki.net>
- Kids Search Tools <http://www.rcls.org/ksearch.htm>
- TekMom <http://www.tekmom.com/search/>
- Ivy's Search Engine Resources for Kids <http://www.ivyjoy.com/rayne/kidssearch.html>
- InfoPlease Fact Monster <http://www.factmonster.com/>
- Yahoooligans! <http://www.yahoooligans.com>
- Ask Jeeves for Kids <http://www.ajkids.com/>
- DMOZ Kids http://dmoz.org/Kids_and_Teens

Directories

- All The Web <http://www.alltheweb.com>
- DMOZ <http://dmoz.org/>
- Yahoo <http://www.yahoo.com/>
- Librarians' Index to the Internet <http://lii.org/>
- Lycos <http://dir.lycos.com/>
- WWW Virtual Library <http://vlib.org/>

Search Engines

- A9 <http://a9.com>
- Altavista <http://www.altavista.com>
- Ask Jeeves <http://www.ask.com/>
- Google <http://www.google.com>
- MSN Search <http://search.msn.com>
- Hotbot <http://www.hotbot.com/>

Metasearch Engines

- Dogpile <http://www.dogpile.com/>
- Metacrawler <http://www.metacrawler.com/>
- Mama <http://www.mamma.com/>
- Profusion <http://www.profusion.com/>
- Queryster <http://www.queryster.com>
- Zapmeta <http://www.zapmeta.com/>

Deep Web Search Engines

- Complete Planet <http://www.completeplanet.com/>
- Invisible Web <http://www.invisible-web.net/>
- FindArticles <http://www.findarticles.com/>
- Infomine <http://infomine.ucr.edu/>

Visual, Clustering Search Sites

- Clusty <http://clusty.com/>
- Exalead <http://beta.exalead.com/search>
- Kartoo <http://www.kartoo.com/>
- Mooter <http://www.mooter.com/>
- Teoma <http://www.teoma.com/>

Primary Sources

- Library of Congress: American Memory <http://memory.loc.gov>
- The Authentic History Center <http://authentichistory.com>
- Eyewitness: History Through The Eyes Of Those Who Lived It
<http://www.eyewitnesstohistory.com/>
- National Archives and Records Administration <http://www.archives.gov/>
- Ad Access <http://scriptorium.lib.duke.edu/adaccess>
- ArtCyclopedia <http://www.artcyclopedia.com/>
- Making of America <http://www.hti.umich.edu/m/moagrp/>
- New York Public Library Digital Library Collection <http://www.nypl.org/digital/>
- Thomas (LOC) – Legislative Information on the Internet <http://thomas.loc.gov/>
- US Historical Census Data Browser <http://fisher.lib.virginia.edu/census/>
- The American Civil War <http://www.homepages.dsu.edu/jankej/civilwar/civilwar.htm>
- World War II Resources <http://www.ibiblio.org/pha>
- The American Presidency Project <http://www.presidency.ucsb.edu>
- The National Security Archive <http://www.gwu.edu/~nsarchiv/>
- National Park Service – Links to the Past <http://www.cr.nps.gov/>
- On-line Archival Collections - Center for Women's History & Culture
: <http://scriptorium.lib.duke.edu/women/digital.html>
- Euro Docs: Primary Historical Documents From Western Europe:
<http://www.lib.byu.edu/~rdh/eurodocs/homepage.html>

Primary Sources

- Library Research Using Primary Resources
<http://www.lib.berkeley.edu/~clee/primarysources.html>
- Primary Sources on the Web <http://www.eduplace.com/ss/hmss/primary.html>
- Primary Source Digital Archives and Collections From the Chico High School Library
<http://dewey.chs.chico.k12.ca.us/primary.html>
- Repositories of Primary Sources
<http://www.uidaho.edu/special-collections/Other.Repositories.html>
- Using Primary Sources on the Web <http://www.lib.washington.edu/subject/History/RUSA/>

Evaluating Information

- Evaluating Internet Resources <http://www.eduscapes.com/tap/topic32.htm>
- ABCs of Web Site Evaluation <http://kathyschrock.com/abceval/index.htm>
- Evaluating Internet Resources: A Selective Bibliography
<http://www.lib.auburn.edu/madd/docs/eir.html>
- Evaluating Web Pages: Techniques to Apply & Questions to Ask
<http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/Evaluate.html>
- Evaluating Web Information <http://www.lib.vt.edu/help/instruct/evaluate/>
- Evaluating Internet Resources http://faculty.valencia.cc.fl.us/jdelisle/lis2004/6_mod3.htm
- Criteria for Evaluating Internet Resources <http://www.library.ubc.ca/home/evaluating/>
- Evaluating a Site <http://www.2learn.ca/evaluating/evaluating.html>
- Critical Evaluation of Resources on the Internet
<http://www.library.ualberta.ca/guides/criticalevaluation/index.cfm>

Internet Misinformation?

- The First Human Male Pregnancy <http://www.malepregnancy.com/>
- Dihydrogen Monoxide Research Division (DMRD) <http://www.dhmo.org/>
- Boilerplate: A Victorian Era Robot <http://www.bigredhair.com/boilerplate/>
- Martin Luther King: A True Historical Examination <http://martinlutherking.org/>
- CarpSoft Corporate Enterprises <http://www.brookview.karoo.net/CarpSoft/>
- Telco Powered Products <http://www.sandman.com/telco.html>
- Ova Prima Foundation <http://www.ovaprima.org/>
- Wingmakers: The Ancient Arrow A Project <http://www.wingmakers.com/>
- Aluminum Foil Deflector Beanie (AFDB) <http://zapatopi.net/afdb.html>
- Dog Island <http://www.thedogisland.com/>
- Tadoos <http://tadoos.port5.com/>
- RYT Hospital-Dwayne Medical Center <http://www.rythospital.com/>
- Lip Balm Anonymous <http://www.kevdo.com/lipbalm/>
- Aids Virus Myth <http://www.virusmyth.net/aids/>
- The White House <http://www.whitehouse.org>
- Institute for Historical Review <http://www.ihr.org/>
- The Onion <http://onion.com/>
- McWhortle Enterprises <http://www.mcwhortle.com/>
- The Pacific Northwest Tree Octopus <http://zapatopi.net/treeoctopus.html>
- National Driver's License Records Bureau <http://www.license.shorturl.com/>
- Internet Addiction <http://library.albany.edu/briggs/addictions.html>
- California's Velcro Crop <http://home.inreach.com/kumbach/velcro.html>
- Cicadaville <http://www.cicadaville.com>
- Click Monkeys <http://www.clickmonkeys.com>

Who's The Author

- WHOIS Search <http://www.networksolutions.com/whois/index.jhtml>
- Alexa Web Search <http://alexa.com>
- Way Back Machine <http://www.archive.org/>

Hoax Busting Sites

- Hoaxbusters <http://hoaxbusters.ciac.org/>
- Snopes <http://www.snopes.com>
- Scambusters <http://www.scambusters.org>
- National Fraud Center <http://www.fraud.org/>
- Don't Spread That Hoax <http://www.nonprofit.net/hoax/default.htm>

Search Engine Tutorials/Strategies

- Information Literacy – Search Strategies
<http://www.noodletools.com/debbie/literacies/information/5locate/adviceengine.html>
- UC Berkley <http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/About.html>
- Finding It Online – Web Search Strategies <http://www.learnwebskills.com/search/main.html>
- Search Engine Watch <http://searchenginewatch.com/facts/index.php>
- The Spider's Apprentice <http://www.monash.com/spidap.html>
- FINDSPOT <http://www.findspot.com/>
- Search Tools for Kids, Teens, and Teachers <http://eduscapes.com/tap/topic33.htm>

Models/Approaches

- The Big6 <http://www.big6.com/>
- FINDS <http://www.firn.edu/doe/instmat/ilflmcc.htm>
- The Research Cycle (Jamie McKenzie) <http://questioning.org/Q6/research.html>
- WebQuests <http://webquest.sdsu.edu/webquest.html>
- Instructional Model – Project-Based Learning <http://glef.org/modules/PBL/index.php>
- Project Based Learning <http://www.bie.org/pbl/index.php>
- Project Approach <http://www.project-approach.com/>
- Web Project <http://www.webproject.org/>
- Brainstorms & Blueprints (Stripling/Pitts)
<http://witloof.sjsu.edu/courses/250.loertscher/modelstrip.html>
- The Information Search Process (Kuhlthau) <http://www.ucalgary.ca/~ahayden/kuhlth.html>
<http://www.scils.rutgers.edu/~kuhlthau/Search%20Process.htm>
- The 8Ws Model for Information Literacy <http://eduscapes.com/tap/topic71.htm>
- Information Literacy: An Overview of Design, Process and Outcomes
<http://www.noodletools.com/debbie/literacies/information/1over/infolit1.html>
- Info Zone <http://www.pembinatrails.ca/infozone/>
- Research Helper <http://www3.sympatico.ca/sandra.hughes/sandra.hughes/research/default.html>
- Information and Communication Skills Comparison Chart
<http://eduscapes.com/tap/topic71model.jpg>
- Information Literacy in All Subject Areas <http://www.big6.com/showarticle.php?id=40>
- LEARN Information Literacy Initiative <http://www2.tafe.sa.edu.au/lili/module1/page3.html>
- Information Literacy Process Model <http://www.bcps.org/offices/lis/models/tips/>
- Information Inquiry for Teachers <http://eduscapes.com/info/index.html>
- Information Skills Instruction <http://www.sldirectory.com/libsf/resf/infoskill.html>
- 21st Century Literacies: Information Literacy
<http://www.kn.pacbell.com/wired/21stcent/information.html>