

TEACHING WEB 2.0 APPLICATIONS IN THE PLANNING AND DEVELOPMENT OF INFORMATION LITERACY PROGRAMS: REACHING OUT TO LIBRARIANS AND INFORMATION PROFESSIONALS

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Overview

- Web 2.0 and libraries
- Web 2.0 and information literacy
- Teaching librarians about Web 2.0 tools and how they can be integrated in the design and implementation of IL programs



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Main objective: Pay It Forward

- Share what I learned (new knowledge and strategies) from the seminars and workshops on Information Literacy and Web 2.0 that I participated in
- Hope to add to the old bag of tricks of providing Information Literacy teachings in libraries



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Defining Information Literacy (IL)

- Recognizing the need for information
- Distinguishing sources and access
- Constructing search strategies
- Locating and accessing
- Comparing and evaluating
- Organizing, applying and communicating
- Synthesizing and adding new knowledge
 - *Society of College, National and University Libraries (SCONUL)*



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Problem solving strategy (Big 6 model)


- Task definition
- Information seeking strategies
- Location and access
- Use of Information
- Synthesis
- Evaluation

(Eisenberg and Berkowitz)



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The Library as an important venue for accessing information and eventual learning



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Challenges to libraries

- One click source, i.e. Google, that provides answer to all imaginable questions
- Authoritativeness of online (web) sources
- The “copy and paste” attitude
- Plagiarism and other forms of intellectual dishonesty
- Critical thinking what?



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A vision of students today

From Michael Wesch, Cultural Anthropologist at
Kansas State University



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Educating the Net generation, or those who:

- Prefer single search boxes, i.e. Google and amazon.com
- Think that searching databases are too cumbersome and VLE (Virtual Learning Environment) too complicated
- Has forgotten Boolean Logic
- Digital natives being thought by digital immigrants



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Information Literacy now, more than ever!

- There's just too much information
- IL skills are essential for life-long learning
- Recognize the importance of instructions in the search for and use of information
- Library as the ideal venue for instruction
- Librarians as instructors and mentors



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A comprehensive information literacy plan is a concrete proof of an institutions commitment to educating users of information.



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Information Literacy Instruction (ILI)

- Stand alone courses or classes
- Self-paced tutorials
- Online tutorials
- Workbooks
- Course-related instruction
- Course-integrated instruction



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No more “one shot” IL classes

- Provide for a variety of approaches to delivering IL
- Make use of web-based resources that are accessible 24/7
- Develop free standing IL courses that covers multiple sessions for in-depth exploration and learning



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Aggregators Folksonomy Wikis User Centered Joy of Use
Blogs Participation Six Degrees Usability Widgets
Pagerank XFN Social Software FOAF Browser
Recommendation Sharing Collaboration Perpetual Beta Simplicity AJAX
Videocasting Podcasting Audio IM Video Design
Convergence **Web 2.0** CSS Pay Per Click
UMTS Mobility Atom XHTML SVG Ruby on Rails VC Trust Affiliation
OpenAPIs RSS Semantic Web Standards SEO Economy
OpenID Remixability REST Standardization The Long Tail
DataDriven Accessibility Microformats Syndication XML
Modularity SOAP

Web 2.0 tools

- Blogs
- RSS feeds
- Wikis
- Podcasts and podcasting
- Social bookmarks
- Social networks
- Tagging



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Blogs

- Aids the students develop writing skills, encourage creation of communities and reflections
- Can be used in teaching with student contents being collected into the teachers aggregators
- Keeping a blog as a way of recording progress and managing time
- Can be used to build up evidence and gather opinions from peers or instructors



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RSS feeds

- Link to the contents one wants
- Allow students and researchers to subscribe to news services, blogs and contents from databases
- A way to create one's own information world



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Wikis

- No preventing its use
- A good starting point for researchers
- Encourage group work and peer review
- A good way to introduce how easy it is to be posting information on the web



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Podcasts and Podcasting

- A new way of delivering library related content
- Can be used for library instructions, especially for distance learners
- Allow for time shifts



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Social bookmarking

- Can be used as a research tool to help students organize their sources
- It can assist in referencing and proper citation of sources
- Encourages tagging which when shared expose new links, which in turn lead to discovery of further resources



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Social networks

- Venues for students to explore collaborative research endeavors
- Can be used to organize and present class content
- Tagging can become part of critical thinking, creating links which involves evaluation, categorizing and formulating keywords



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Tagging

- An exercise in critical thinking involving evaluation, categorization and formulation of keywords
- Useful for finding similar research topics



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Teaching the teacher

“Information Literacy Power Packages”

“Information Literacy Plans and Programs”

“The Role of Librarians in Borderless Learning”



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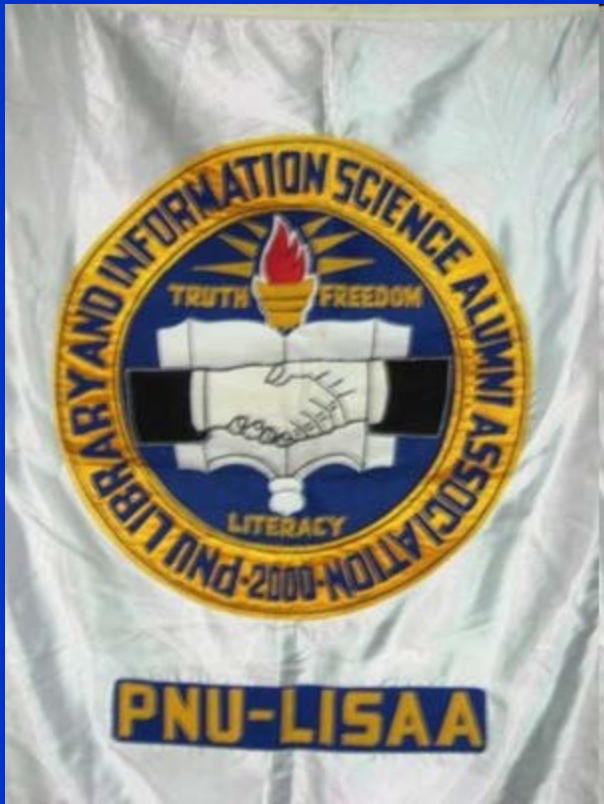
“Information Literacy Power Packages”

- Learning objectives
- Performance outcomes
- Definition of concepts and related topics
- Examples and suggested approaches and strategies
- Feedback and Evaluation



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Outline of courses

- Choosing and deciding on a research topic
- Identification of different types of information sources
- Use of online catalog and tutorials on the use of OPAC
- How to search databases to find related literature
- Search strategies using Boolean Logic
- Acknowledgement and Proper citation of sources
- Search engines
- Evaluating sources of information
- Plagiarism and intellectual dishonesty



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“The Role of Librarians in Borderless Learning”

- Information sources in school library media centers (Print and Electronic)
- The Internet as a source
- Google and Googling
- Social Networking: Teachers and Pupils Meeting Outside the Classroom
- The Use of Wikis, Blogs and RSS to Reach Out and Assist Students in their Use of the Library Media Center



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Teaching librarians

- Initial efforts with hopes of creating a significant impact
- Reach is not (yet) extensive and diverse
- Need for more opportunities to reach librarians and information professionals



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