LEADING A DIGITAL SCHOOL

- A CONFERENCE FOR SCHOOL LEADERS

Managing the Digital School’s Information and Assets

Karen Bonanno
Half-life of Knowledge

“Half-life of knowledge is linked to the amount of time that has to elapse before half of the knowledge in a particular area is superseded or shown to be untrue.”


Data > Information > Knowledge > Wisdom
Digital School Community

- Who currently manages the data repositories, information objects and knowledge assets within your school community?
- Are they accessible from the one place or space?
- How are they used within the school community?
- What is their life span, how is this determined, who determines this?
- Are there policies and procedures in place? For example, classification and cataloguing, collection development, copyright.
Metadata

“Metadata is structured, encoded data that describe characteristics of information-bearing entities to aid in the identification, discovery, assessment and management of the described entities.”

American Library Association 1999 Task force on metadata: Summary report
http://www.libraries.psu.edu/tas/jca/ccda/tf-meta3.html
Metadata – Core Sample

FORESTS AND FORESTRY - AUSTRALIA

634.90994 YOUR forests [kit]: a teachers' resource kit on forestry/
you jointly produced by Queensland Department of Forestry and
Queensland Department of Education

1. Forests and forestry -
Australia. I. Queensland. Dept. of Education. II. Queensland.
Dept. of Forestry.

CARD 02/02

ISBN 0-7242-0892-5 412166 209876
Metadata - Expanded

Ralph Clevenger

Is this real?

## Metadata – Basic Elements

<table>
<thead>
<tr>
<th>Content &amp; about the resource</th>
<th>Intellectual Property</th>
<th>Electronic or physical manifestation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Author or creator</td>
<td>Date</td>
</tr>
<tr>
<td>Subject</td>
<td>Publisher</td>
<td>Type</td>
</tr>
<tr>
<td>Description</td>
<td>Contributor</td>
<td>Format</td>
</tr>
<tr>
<td>Source</td>
<td>Rights</td>
<td>Identifier</td>
</tr>
<tr>
<td>Language</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coverage</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Metadata Applied

For example

- Library Management Systems
- Online databases
- EdNA
- The Learning Federation Objects & Digital Resources

It is necessary to make sure the information / knowledge asset is made visible in a way that allows the user to tell whether the item is likely to be useful to them.
Improving Discovery

PLUS

- Administrative control
- Security
- Personal information
- Management of information
- Content relationships
- Rights management
- Preservation
A Current Scenario

- Bebo
- Friendster
- Flickr
- Imageshack
- YouTube
- Freeweb
- Blogs
- Wikis
- Xanga
- Facebook
- Piczo
- MySpace
- Imbee
- Whyville
Poor Management

- Redundant collections
- Too wide in dissemination to be effective
- Stored after useful life
- Destroyed after its useful life
- Duplication
- Useful, but not easily accessible
- Inefficient method of collection, storage and retrieval
- Lack of security or over-the-top
- Clumsy exchange

The Integration of Personal, Communal and Organisational Knowledge

Knowledge Centre
- General Library
- Teacher Reference Library
- Other libraries eg. Archive, Admin etc.

Learning and Online Communities Areas
- Display and communication of materials to course or community participants
- Teachers channel items to knowledge centre for storage, tagging and easy retrieval

Portfolio
- Own online storage area for curricula, non-curricula and professional development
- Teachers publish to blogs and professional development portfolios

Students publish to assessments blogs, and team portfolios

Librarians add research items to support teaching and learning

Teachers search and link in Resources from digital libraries

Teachers or Community contributors upload files of any format from own drives

Administrators add items and news to support school community communication
Past Scenario

- Bebo
- Friendster
- Flickr
- Imageshack
- YouTube
- Freeweb
- Blogs
- Wikis
- Xanga
- Facebook
- Piczo
- Imbee
- Whyville
- MySpace
Future Scenario

- Blogs
- Wikis
- MySpace

Information / Knowledge Centre

Online publishing

Course plans

Discussion lists

Assessments

Portfolio
A Digital Community

- Autonomous learning for students
- Curriculum management and development
- Assessment tools for learning
- Assessment grading
- Teaching staff CPD and peer networks
- Digital portfolios
- Personal learning plans
- Online community
- Information / Knowledge Centre
- Courseware development
Management Practices

- Creation in a collaborative environment
- Improved decision-making
- Improved efficiencies and responsiveness
- Improved accessibility
- Reduced costs
- Increased value adding
- Increased flexibility
- More stability
- Improved knowledge

Strategic Planning

Natarajan and Shekhar: four-phase methodology

- K-Need Identification
- K-Acquisition Framework
- K-Net Design
- K-Net Implementation


- K-Enhancement
Policy and Procedures

Information and knowledge management policy & procedures

- Copyright / Intellectual Property
- Internet / Intranet Acceptable Use
- Online publishing
- Privacy
- Email / Wiki / Blog Acceptable Use
- Plagiarism

Copyright – Sample 2

A teacher asks the teacher-librarian to scan all the pages of a picture book from the school library collection into a PowerPoint presentation so all the students in the class can read it.

The teacher-librarian refuses to do this.

Did the teacher-librarian do the right thing?
Copyright – Sample 3

A parent is currently copying her own Magic School Bus videos onto a DVD and has offered the school a copy.

The videos were originally taped from free-to-air TV.

Should the school accept a copy?
Copyright Summary

- Private use
- “Special case” exception
  - Maintaining or operating a library or archives
  - Giving educational instruction
  - Obtaining a copy of material in a form which assists a person with a disability

In most instances, the Hardcopy Statutory Education Licence is retained.

Listen to the Student Voice

- US tertiary education sector [Zemsky & Massy, 2004]
- UK Children Go Online [Livingstone & Bober, 2004]
- PEW Internet & American Life Project [Fallows, 2005]
- Education Testing Service [USA, 2006]
- Student Learning through Australian School Libraries [Lyn Hay, CSU, 2005]
- Information-seeking Behaviour of the Net Generation [Barbara Combes, ECU, 2007 and ongoing]
Listen to the Student Voice

- Is the Net Generation as tech-savvy, web-savvy, Internet-savvy, computer-savvy as we think?
- Is the Net Generation information-smart?
- Is the research telling us, as adults, to butt out, or begging us to listen?
- Are we taking the time to listen to the student voice in our digital school journey?
Contact Information:

Karen Bonanno
KB Enterprises (Aust) Pty Ltd
PO Box 290
Zillmere QLD 4034
07 3216 5785
karen@kb.com.au