<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Web2.0 Paradigm &amp; Possibilities for Educational Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Author(s)</strong></td>
<td>Churchill, D</td>
</tr>
<tr>
<td><strong>Citation</strong></td>
<td>eLEP Workshop 4: Using E-Portfolios For Evaluating Students’ Learning Performance, Hong Kong, China, 29 May 2006</td>
</tr>
<tr>
<td><strong>Issued Date</strong></td>
<td>2006</td>
</tr>
<tr>
<td><strong>URL</strong></td>
<td><a href="http://hdl.handle.net/10722/43990">http://hdl.handle.net/10722/43990</a></td>
</tr>
<tr>
<td><strong>Rights</strong></td>
<td>This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.</td>
</tr>
</tbody>
</table>
Web2.0 Paradigm & Possibilities for Educational Applications

By Daniel Churchill
The University of Hong Kong
http://iln.cite.hku.hk/com/1238/Web.ppt
What is Web2.0?

- Web2.0 as a paradigm
- Web as a platform (e.g., Microsoft and Google)
- User control of information, subscribing and relationships, new forms of expression
- Web as a point of presence, internet-mediated social environments, collective activities and plumbing
- Science of user engagement and rich user experiences
- Some speak of media revolution -- “we the media” (Dan Gillmor), “voice of crowds”, increased democratization and new citizenship
Key Concepts

Source: http://en.wikipedia.org/wiki/Web_2.0

Web2.0 Paradigm & Possibilities for Educational Applications
In this Presentation...

- Blogs
- Digital Storytelling
- Sharing, Diggs, Recommendations, and Folksonomy
- Wikis and Social Software
- RSS Feeds
- Podcasting
- API for Mashups
- Implications for Education
Blog is web-based publication consisting of periodical articles
- No technical skills to create your own blog
- Blog can contain text, media, links
- There are blogs, moblogs, vlogs, audilog
- Blogosphere is a community of bloggers
- Blog can be a first component of digital portfolio developed by students


- www.blogger.com
Blogs – Some Statistics

- 27% of online Americans have read a blog
- Eight million Americans have created a blog
- 12% of online Americans have posted comments on blogs
  (Source: [http://news.bbc.co.uk/2/hi/technology/4145191.stm](http://news.bbc.co.uk/2/hi/technology/4145191.stm))
- “China to have 60 million bloggers by end of 2006”
  (Reuters [http://news.yahoo.com/s/nm/20060506/wr_nm/china_blogs_dc_1](http://news.yahoo.com/s/nm/20060506/wr_nm/china_blogs_dc_1))
Bloggers: an army of irregulars (BBC) -- “The web has grown more in 2005 than it did at the height of the dotcom boom”

Examples of Blogs and Tools

- WarBlog
- A Student Blogger
- Audio Blog
- A Teacher Blogger (HK)
- A Teacher Blogger (US)

Web2.0 Paradigm & Possibilities for Educational Applications
New Forms of Expression

- Blogging Should not be only about text
- Digital Story Telling and other Multimedia Expressions
- Digital Fluency
- Interactive Visualization
Wiki

Wiki is social software that allow collaborative development on an article of common interest to its authors.
Wikipedia

- 13,000 active contributors
- 3,800,000 articles in more than 100 languages.
- 1,152,885 articles in English
- Every day hundreds of thousands of visitors, tens of thousands of edits and thousands of new articles


- Wikipedia has become the 37th most visited website, according to Alexa, a web ranking service.
- Wikipedia comes close to Britannica –
  Expert led investigation by *Nature* identifies that in average science entry in Wikipedia contained around four inaccuracies; Britannica, about three

Internet-mediated Social Activities

- Yackpack
- eBay
- Microsoft Office 2007
- AirSet
- Writely
- LiveJournal
RSS Feeds and Aggregators

- Really Simple Syndication is a form of syndication in which a section of a website is made available for other sites to use.
- RSS Feeds -- provide an updated list of content from a site.
- This originated with news and blog sites but is increasingly used to syndicate any information.
- Aggregator can subscribe to a feed, check for new content at user-determined intervals, and retrieve the content.
RSS and Aggregators

- News
- Music
- Video
- Podcasts
- Product Information
- Something Else

Aggregator

Web2.0 Paradigm & Possibilities for Educational Applications
Podcasting

- Method of distributing audio programs or video over the Internet for playback on mobile devices and personal computers.
- Podcasts are distributed using either the RSS or Atom syndication formats.

Beginner Guide on Podcasting

nature

podcast.net

Juice

EnglishPod
API for Mashups

Top APIs for Mashups
- GoogleMaps (28%)
- Yahoo (13%)
- Flickr (13%)
- 411Sync (11%)
- YahooGeocode (7%)
- del.icio.us (7%)
- MSNSearch (5%)
- VirtualEarth (5%)
- AmazonS3 (3%)
- Amazon (3%)

Mashup Timeline - New mashups here, last 6 months

Source: http://www.programmableweb.com/apis
Most Popular Mashups: http://www.programmableweb.com/popular
Open Source

- Open source
- Syndications, design for hackability and remixability
- Systems that gets better when more people are using it (and improving it)
Web2.0 Paradigm & Possibilities for Educational Applications

Implications for Education?

- Re-conceptualizing technology integration
- New forms of Assessment
- Internet-mediated social environments and what does it mean to collaborate
- Resources Sharing and Community Plumbing of Teachers and Student
- New generations of LMS, no LMS or
- Modules – blog, wiki, P2P, content management, personal space for RSS, data remixing, interactive visualization,…
Digital Citizens: Pick of the blogs

By Darren Waters
BBC News entertainment reporter

Blogs and blogging have become buzzwords in the last 18 months, with millions of people setting up their own web logs to record their lives, comment on world events or share news.

There are almost as many different types of blogs as there are bloggers. Some are highly professional while others are simple online diaries. We pick out six of the best.

Please note that some blogs can contain strongly-worded language and highly-personal views.

Digital Citizens - "the most informed and participatory citizens we ever had or are likely to have" - represent a critical emerging group for today and tomorrow.

(Source: http://www.wired.com/wired/reprints/digicit.html)
Thank you for your attention!

I am happy to answer you questions…

THE UNIVERSITY OF HONG KONG
Faculty of Education

Dr. Daniel Churchill
Assistant Professor

Email: dchurch@hkucc.hku.hk
Phone: +852.2859.1141
Web: http://www.learnactivity.com