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<th><strong>Title</strong></th>
<th>Web2.0 Paradigm &amp; Possibilities for Educational Applications</th>
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WEB2.0

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

Web2.0 Paradigm & Possibilities for Educational Applications

Source: http://en.wikipedia.org/wiki/Web_2.0
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, blogging, blogger, blogsphere

- 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
- Blogsphere 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

Loose Change

Digital Stories by HKU Student

Professional Digital Stories

Digital Stories by School Students

Microsoft Photo Story 3 for Windows
make show-n-tell cool again
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

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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

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.
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 Meshups: 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)
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 - "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 your questions…