WEB2.0

Web2.0 Paradigm & Possibilities for Educational Applications

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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**

→ **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**
- ➔ **Blogsphere is a community of bloggers**
- ➔ **Blog can be a first component of digital portfolio developed by students**

"A blog is a personal diary. A daily pulpit. A collaborative space. A political soapbox. A breaking-news outlet. A collection of links. Your own private thoughts. Memos to the world."

○ *www.blogger.com*

- **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**)

- **"China to have 60 million bloggers by end of 2006"**
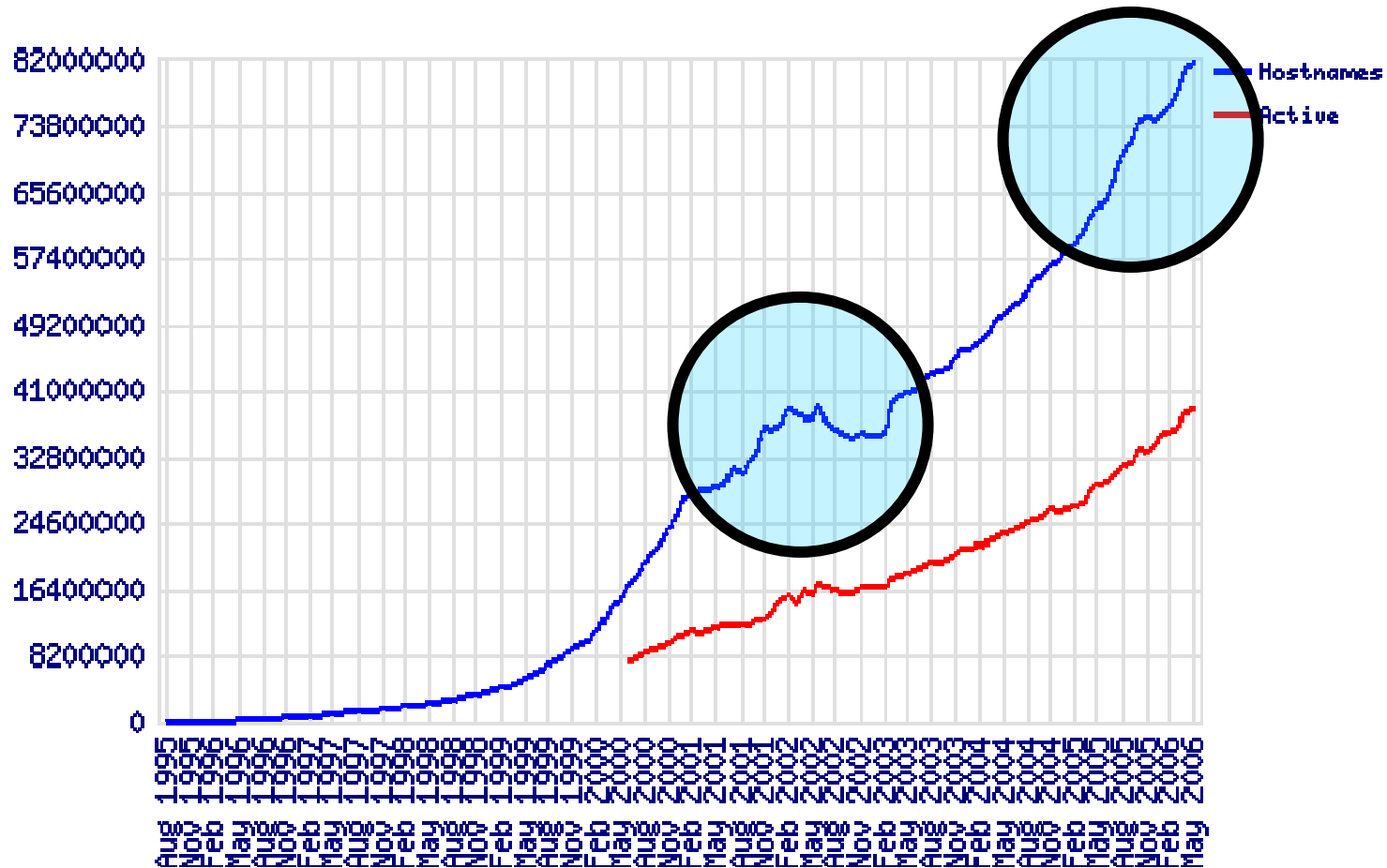 (Reuters
  http://news.yahoo.com/s/nm/20060506/wr_nm/china_blogs_dc_1)

→ **Bloggers: an army of irregulars (BBC) -- "The web has grown more in 2005 than it did at the height of the dotcom boom"**

Source: http://news.netcraft.com/archives/web_server_survey.html

Examples of Blogs and Tools

WarBlog

Blogger

A Student Blogger

Qumana desktop blog editor

Audio Blog

Technorati

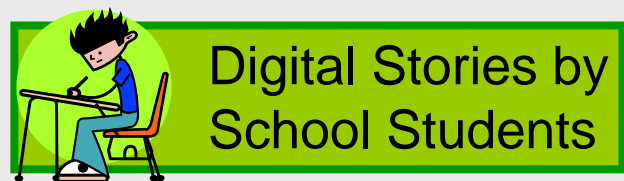A Teacher Blogger (HK)

hipcast the audio & video podcasting service.

A Teacher Blogger (US)

→ **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

MAGNUM PHOTOS
Professional Digital Stories

Digital Stories by School Students ▶

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

The **Wisdom of Crowds**: Why the Many Are Smarter Than the Few and How Collective Wisdom Shapes Business, Economies, Societies and Nations
by James Surowiecki

del.icio.us

flickr™ GAMMA

YouTube™

Rojo

CiteULike

Connotea

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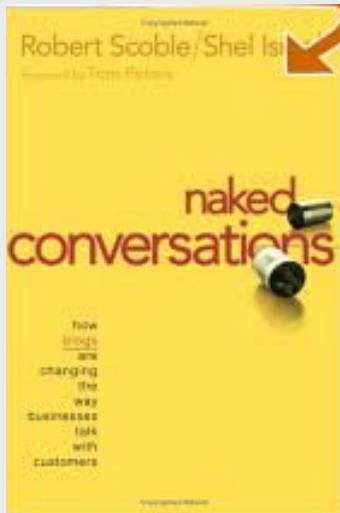
➔ **Wiki is social software that allow collaborative development on an article of common interest to its authors**
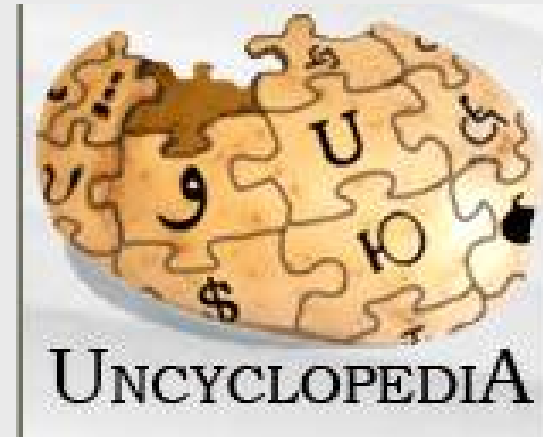
Wikipedia

- **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**
 Source: http://en.wikipedia.org/wiki/Wikipedia:About)

- **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
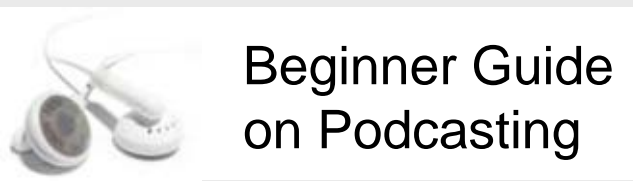 (Source: http://www.nature.com/news/2005/051212/full/438900a.html)

➔ **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**
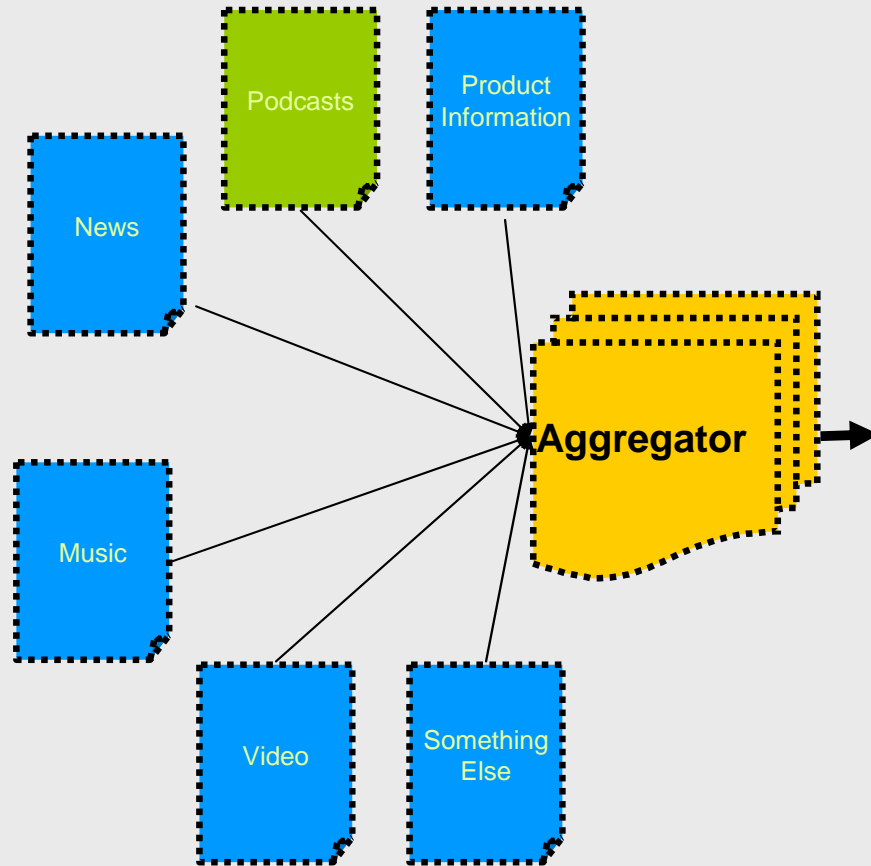
→ **Method of distributing audio programs or video over the Internet for playback on mobile devices and personal computers**

→ **Podcasts are distributed using either the RSS or Atom syndication formats.**

Beginner Guide on Podcasting

Top APIs for Mashups — Last 14 days | All

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

ProgrammableWeb.com 05/25/06

Mashup Timeline - New mashups here, last 6 months

	Jan	Jan	Feb	Mar	Apr	May	Jun
700							
600							
500							
400							
300							
200							
100							

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

➜ **Open source**

➜ **Syndications, design for hackability and remixability**

➜ **Systems that gets better when more people are using it (and improving it)**

- 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
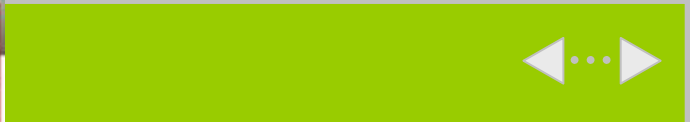- Modules – blog, wiki, P2P, content management, personal space for RSS, data remixing, interactive visualization,…

Search

BBC NEWS

LATEST NEWS IN VIDEO AND AUDIO

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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 film-maker
The man who made a $20,000 Star Wars film in his cellar
▸ In pictures: Star Wars fan film
▸ The DIY sitcom makers

The podcaster
Re-writing the rules of radio
▸ Pick of the podcasts

The blogger
The woman whose blog lost her a job
▸ Pick of the blogs
▸ In pictures: The Photobloggers

The DIY DJs
Play your own tunes to the dancefloor
▸ 'My night as a DJ'

The activist
The writer fighting for people's rights in the digital age
▸ Digital Citizens: Your creativity
▸ Quiz: Are you a digital citizen?

HAVE YOUR SAY
▸ Are you a digital citizen?

Boing Boing
The self-styled directory of wonderful things - from technology to popular culture

360 degrees
Tales from the African bush in the middle of rural Zambia written by a British charity worker

Underground
An insightful take on daily use of London's Tube system written by a harassed commuter

Dooce
Uncensored views on motherhood, marriage and life in Utah from a blog celebrity

Tokyo Times
A quirky viewpoint on life in Japan's capital city from a UK perspective

Zucchini
Not all blogs are personal diaries - this one is devoted to food and cooking

VOTE
Are you a regular reader of blogs?
○ Yes

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)

...cational Applications

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Thank you for your attention!

I am happy to answer you questions…

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