







How the Learning World Became Flat: Ten Knowledge Sharing and Technology Trends Equalizing Access to Learning

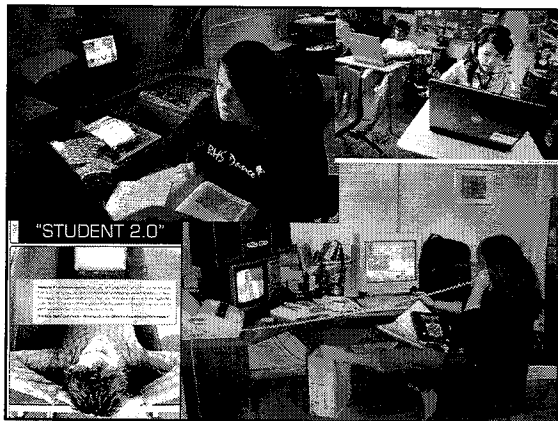
Curtis J. Bonk, Professor, Indiana University
President, SurveyShare
cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>

Next Generation of Students



Tech Creates Bubble for Kids
Alejandro Gonzalez, USA TODAY, Updated 6/20/2006 10:34 AM ET

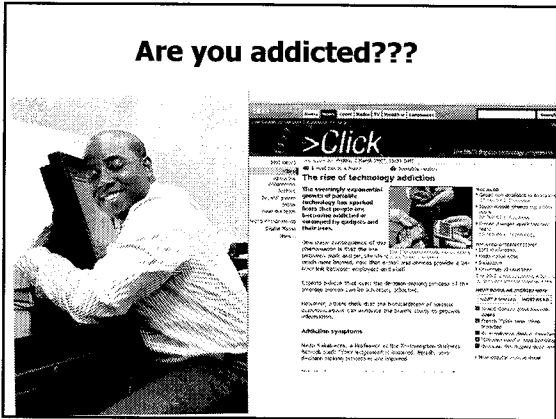


Yahoo News
Love me, love my blog," as Netorati couple-surf
BY SARA LEDWITH Thu Aug 3, 8:30 AM ET

- Nick Currie and his girlfriend Shizu Yuasa (R) surf the internet over breakfast in Tokyo in this handout photo. As the Internet evolves -- with its webcams, iPods, Instant Messaging, broadband, wi-fi and weblogs -- its image as a relationship-wrecker is changing. Now a sociable habit is emerging among the Netorati: couple-surfing. (Nick Currie/Handout/Reuters)
- "For my birthday, he upgraded my RAM and I thought it was incredibly romantic," writes Jess.



Are you addicted???



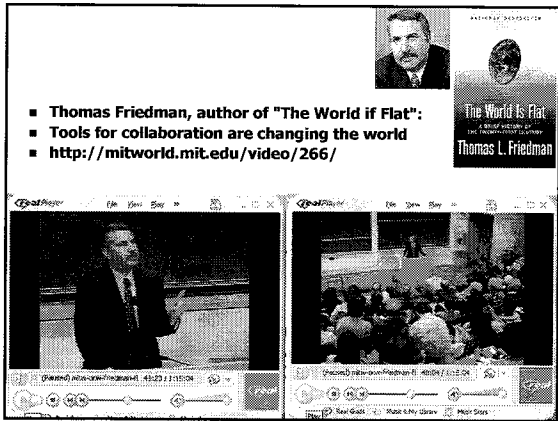
The screenshot shows a news article titled ">Click" with the sub-headline "The rise of technology addiction". The article discusses how technology has become an integral part of our lives, leading to addiction. It mentions that the average person spends about 10 hours a day on the Internet, and that this time is spent on various activities like checking email, browsing, and using social media. The article also notes that technology has become a necessary tool for many people, making it difficult to disconnect.

Effects of interactive multimedia in distance learning

Giti Javidi and Ehsan Sheybani, 2004, In Proceedings of the IASTED International Conference WEB-BASED EDUCATION

"The advancement in technology is shaping every aspect of our life, including education. One decade ago, the Internet was not critical to education. However, now, it has become an integral part of learning process. Internet technology is having a dramatic effect on colleges and universities, producing what may be the most challenging period in the history of higher education."

- Thomas Friedman, author of "The World if Flat":
- Tools for collaboration are changing the world
- <http://mitworld.mit.edu/video/266/>



The video player shows a man in a suit, Thomas L. Friedman, speaking at a podium. The video is titled "The World Is Flat" and is part of a series of videos from MIT World. The video player interface includes a play button, a progress bar, and a volume control.

- ### The Ten Forces that Flattened the World
1. 11/9/89: Berlin Wall came down
 2. 8/9/95: Netscape went public
 3. Work Flow Software (e.g., PayPal and eBay)
 4. Open-Sourcing (Self organizing collaborative communities; Mosaic, Apache, Wikipedia, Linux, Mozilla/Firefox,)
 5. Outsourcing (Y2K)
 6. Offshoring (e.g., China, Mexico, Thailand)
 7. Supply-Chaining (e.g., Walmart)
 8. Insourcing (UPS fixing Toshiba laptops)
 9. In-forming (e.g., Google, Yahoo!, MSN Web Search)
 10. The Steroids: Digital, Mobile, Personal, and Virtual (e.g., wireless, file sharing, VoIP, video camera in phone)

The Learning World has become Flat!





The image shows the cover of the book "The Learning World is Flat" by Thomas L. Friedman. The cover features a globe and the title in large, bold letters. Below the title, it says "LEARNING * FLATTENED WORLD". The book is published by HarperCollins and is part of the "The World is Flat" series.

- ### WE-ALL-LEARN:
- #### Ten Forces that Opened the Learning World
- Web Searching in the World of e-Books (i.e., Darwin)
 - Enormous E-Learning and Blended Learning
 - Availability of Open Source and Free Software (e.g., Moodle)
 - Leveraged Resources and OpenCourseWare (e.g., MIT)
 - Learning Object Repositories and Portals (i.e., shared content)
 - Learner Participation in Open Info Communities (YouTube)
 - Electronic Collaboration and Interaction (sync and async)
 - Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
 - Real-Time Mobility and Portability (e.g., iPhone)
 - Networks of Personalized Learning (Blogs, RSS)

Three Larger Trends of WE-ALL-LEARN

- The availability of tools and infrastructure for learning.
- The availability of free educational content and resources (OER—Open Educational Resources).
- A move towards a culture of open access to information, international collaboration, and global sharing.

The Ten Forces that Flattened the World

1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)



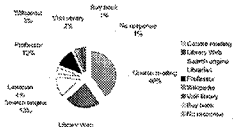

The Search is on!



Beyond Google: How do students conduct academic research? by Alison J. Head

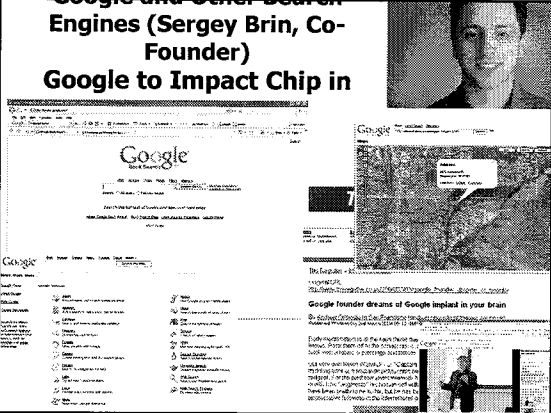
Head
First Monday, volume 12, number 8 (August 2007),
 URL:
http://firstmonday.org/issues/issue12_8/head/index.html

- The study, which surveyed only students majoring in the humanities and social sciences, found that 63 percent of students began their research with the library Web site or course readings, while only 16 percent began with Wikipedia or a search engine.

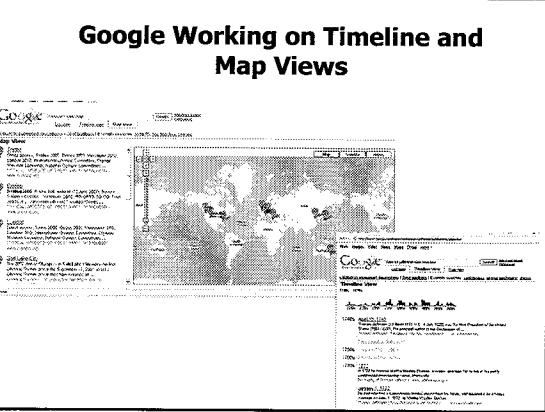


Source	Percentage
Library Web	22%
Course reading	19%
Professor	17%
Search engine	16%
Wikipedia	16%
No response	15%
Other	10%

Google and Other Search Engines (Sergey Brin, Co-Founder) Google to Impact Chip in



Google Working on Timeline and Map Views



OPEN Content Alliance

The University of Illinois Chicago announced the availability of a new, digital collection of books from its extensive library. The Open Content Alliance will display in the University Library's archive as the first set of books digitized by the project, from the first set of books digitized at the University of Illinois Chicago.

The University of Illinois Chicago has joined a project to digitize and make available the first page of the Chicago Historical Society's book collection. The project involves digitizing the first page of the Chicago Historical Society's book collection, which includes the first page of the book collection. The project is a joint effort between the University of Illinois Chicago and the Chicago Historical Society.

Read, Listen, etc. to "An International Episode" by William James

This slide features a collage of digital resources related to William James' work "An International Episode". It includes a book cover, a portrait of James, and a scanned page of text with a callout box highlighting a specific section.

All of Darwin's and Shakespeare's Works are Online

This slide shows a screenshot of a news article from the Chicago Tribune. The article is titled "Google expands book project" and discusses Google's efforts to digitize the complete works of Charles Darwin and William Shakespeare.

The Scanning Process is Not Perfect! (includes someone's fingers!)

This slide illustrates imperfections in the scanning process. It shows several scanned pages of books with various artifacts, including a prominent circular stamp and a close-up of a hand, demonstrating how physical elements can be captured in the digital scan.

eBooks: Thinner, Crisper, and Cheaper

This slide promotes eBooks by showing them on various devices. It includes images of eBooks on a smartphone, a tablet, and a laptop, along with a large image of a tablet displaying a digital book interface.

Digital History Project (University of Houston)

This slide showcases the Digital History Project from the University of Houston. It features a collage of digital history resources, including a map, a book cover, and a table of contents for a digital history text.

The Carlyle Letters Online: Exploring Victorian World Through Letters

New Forms of Digital Literacy (new tests from ETS)

The Ten Forces that Flattened the World

2. Enormous E-Learning and Blended Learning

EDUCATION with Student News
Students prefer online courses

Classes popular with on-campus students

From: *Los Angeles Times*, 10/10/05, [http://www.latimes.com](#)

UP — Andy Steele lives just a few blocks from the campus of Black Hills State University in Spearfish, South Dakota, so commuting to class isn't the problem. But he doesn't like lectures, and wants more control over his schedule and pace.

Dr. Steele, a 34-year-old computer science major, has selected a variety of courses for his on-line Black Hills State University course offering. He paid before classes started about \$4,000 and

FLORIDA'S ONLINE BOOM

Year	Registrations
97	77
98	277
99	650
00	2,877
01	6,765
02	9,928
03	12,623
04	25,616
05	37,914
06	55,983

University of Central Florida

Access, Quality, and Efficiency through Online Learning

Academic Year 2006-2007

Fully Online (W) Registrations

Academic Year (summer-fall-spring)	Registrations
96-97	645
97-98	1,538
98-99	3,096
99-00	5,668
00-01	9,710
01-02	12,778
02-03	16,628
03-04	21,950
04-05	29,167
05-06	38,148
06-07	42,398

The Open Univ Malaysia

(Abtar Kaur, 2005, Ed Media)


- Started August 2001 : approx. 800 students
- Total students (2005): approx. 33,000
- Total full-time academic staff : 60
- Total part-time academic staff (tutors) : approx 3,000
- 33 Learning Centres (7 Regional Centres)
- Pedagogical approach : Blended Learning

Enrollment Growth at the UOM

Year (2001 to 2005)	Enrollment
2001	800
2002	~1,500
2003	~2,500
2004	~4,000
2005	33,000

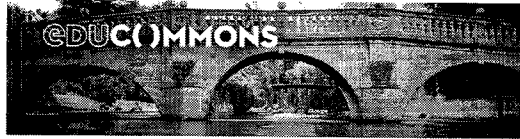
The Ten Forces that Flattened the World

3. Availability of Open Source and Free Software (e.g., Linux, Apache, Moodle)



The Learning World is Flat

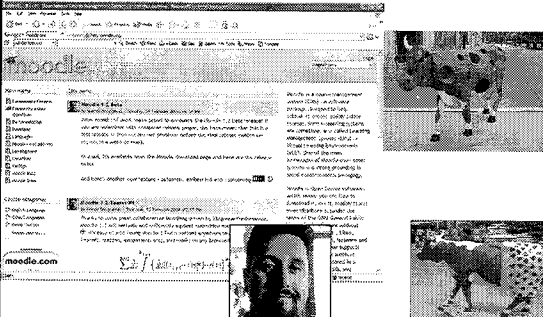
1. eduCommons



eduCommons is an OpenCourseWare Management System designed specifically to support OpenCourseWare projects and manage an open access collection, including a workflow process that steps users through uploading materials into a repository, tracking copyright clearance, responsibility of repositories into courses, a quality assurance process and final publication of the materials. At the front end of eduCommons is a repository to track copyright clearance. CCAs, the backend architecture is actually closer to something like Commons - all resources are stored as individual assets in order to facilitate reuse downstream. eduCommons is open source software available from SourceForge.

eduCommons is generously funded by The William and Flora Hewlett Foundation and the National Science Foundation.

2. Moodle



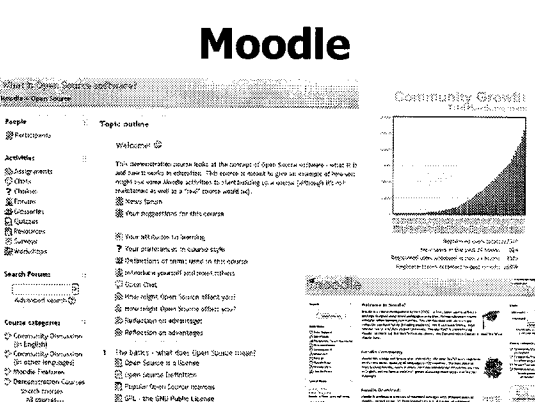
Moodle is a free and open source learning management system (LMS) designed to support OpenCourseWare projects. It is a web-based system that allows users to create and manage online courses, track student progress, and facilitate communication between students and instructors. Moodle is highly customizable and supports a wide range of educational activities and content types.

Registered Moodle Users

Moodle is used by over 100,000 users worldwide. The image shows a grid of user avatars, demonstrating the large community of users who utilize Moodle for their educational needs.

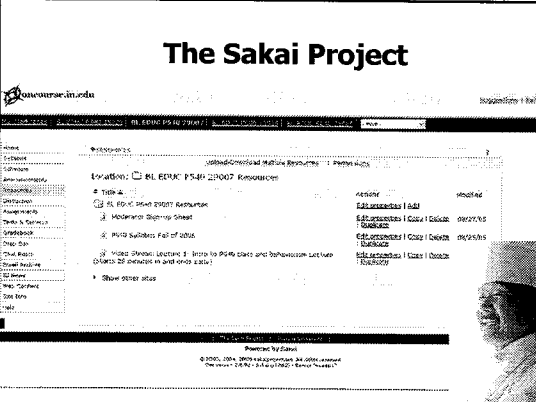
Moodle

Community Growth



The Moodle course interface displays a list of participants, course content, and a search function. The 'Participants' section shows a list of users enrolled in the course, and the 'Course Content' section lists various learning materials and activities. The search function allows users to find specific content within the course.

The Sakai Project



The Sakai Project is an open source learning management system (LMS) that provides a comprehensive set of tools for creating and managing online courses. The screenshot shows the course management interface, including options for course creation, enrollment, and content management. The interface is user-friendly and supports a wide range of educational activities and content types.

6

The Ten Forces that Flattened the World

The Learning World is Flat

4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from MIT, Utah State, CORE, OOPS)

OPENING UP EDUCATION

Your full-time job is the best part of your life. It's the only one that's yours. It's the only one that's yours.

MIT OpenCourseWare

Do You Share?

1. Who has shared music in an iPod or MP3?
2. Who has used collab software? (Google Groups, Yahoo Groups, Sharepoint)
3. Who has used online phone services such as Skype or Google Talk?
4. Who has assigned teams online?
5. Who has embedded international exchanges or expert guests?
6. Who has used MERLOT, Connexions, or the MIT open courses?
7. Who has used Wikipedia?

Most are Scared to Share!!!

Tufts OpenCourseWare Project

Vietnam Fulbright Economics OCW

FULBRIGHT

China's Great Game: The Rise of China and the Impact on the World

2004-2005

Open Source Courseware

OPEN SOURCE COURSEWARE

SHARE

Open Source Courseware is a project of the Open Source Education Foundation (OSEF) and is supported by the Open Source Education Foundation (OSEF).

Per David Wiley, Utah State University
(October 2005)

"This is a message that should probably get out, also - not only is this movement worldwide and gaining momentum every day, it is also becoming a key part of international strategy to achieve equitable access to education for people everywhere."

OpenSource OpenCourseware Prototype System
(OOPS) funded by, the Foundation of Fantasy, Lucifer
Chu, Chairman and Janitor of OOS, Taipei)

What's their Beliefs? (Chu, Jan 1, 2007)

- Collective Minds is better than a single genius translator.
- Perfect Translation doesn't exist.
- 2,012 Volunteer translators The Biggest OCW Localization Volunteer Group in the World
1,125 courses adopted
639 courses near completion (level 1)
- 126 courses already finished



Lucifer Chu, Chairman and Janitor of OOPS, Taiwan

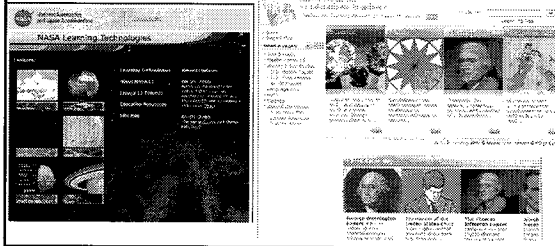


The Ten Forces that Flattened the World

5. Online Learning Object Repositories and Portals (shared content)

Many Portals of Contents (e.g., Museum of Online Museums)

Free Government Resources!



Terry Anderson, Athabasca University (October 2005)

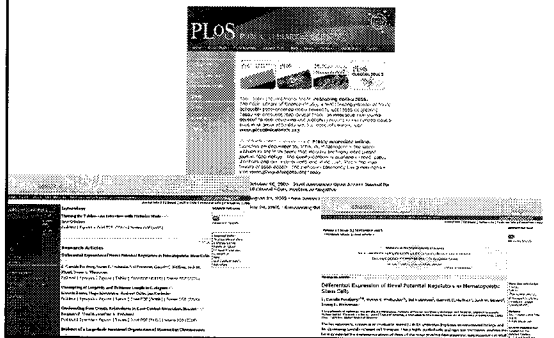
"Our Creative Commons licensed book **Theory and Practice of Online Learning** has been downloaded over **55,000 times (full text)** and more by individual chapters. Parts have been translated into **6 languages** and we are nearly sold out the **500 copies** we printed at **\$50 a pop**. So it is quite a success story."

- Anderson, Terry & Fathi Elloumi (Eds). (2004). *Theory and practice of online learning*. Canada: Athabasca University. http://cde.athabascau.ca/online_book/



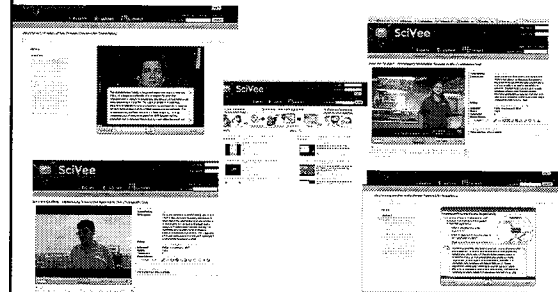
With Creative Commons

Public Library of Science

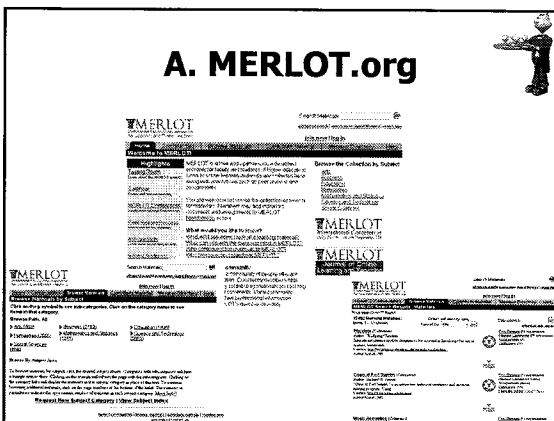


Pubcasts!

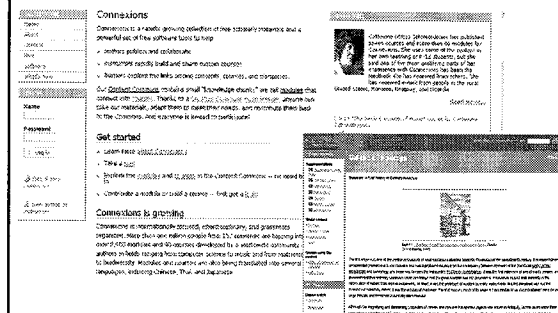
NSF, the Public Library of Science, and the San Diego Supercomputing Center created a YouTube for scientists to help demystify important research papers. See SciVee <http://www.scivee.tv/>



A. MERLOT.org



B. Connexions (Rice University) <http://cnx.rice.edu/>



C. Global Education and Learning Community (GELC)
(Kirkpatrick, Dec 22, 2006, CNN Money)

- The Global Education and Learning Community (GELC) aims to bring the principles of open source to education. Scott McNealy, former CEO of Sun Microsystems, is working to create a free universal curriculum from Kindergarten to 12th grade in every major subject. Any educator/researcher can contribute and it will be in any language.

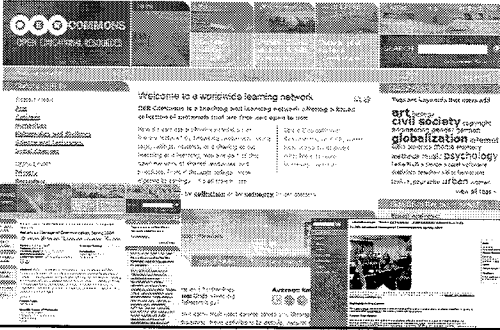


D. Google School Resources
such as Google Docs and Spreadsheets, an open alternative to Microsoft's Word and Excel

Google enrolls teachers in online software crusade

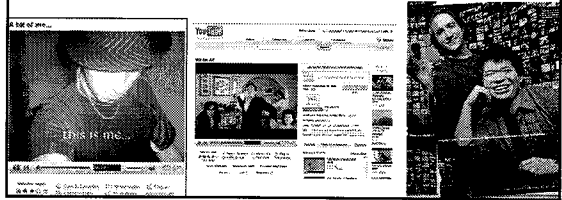
Dec 3, 2006, USA Today
Michael Liedtke, Associated Press
Google enrolls teachers to spread work online software crusade
Palo Alto High School journalism teacher Esther Wojcicki helps student Allison Wyndham at a computer during journalism class in Palo Alto, Calif. Wojcicki is helping Google bring its online suite of software applications to classrooms across the country

E. National Repository for Online Courses (NROC) Commons

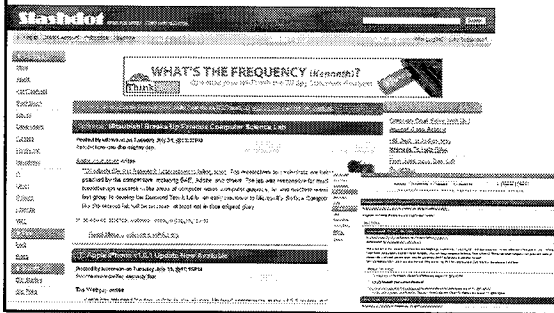


The Ten Forces that Flattened the World

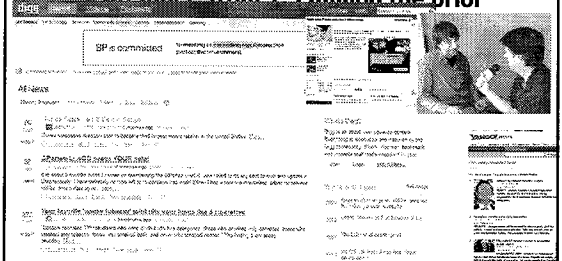
6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)

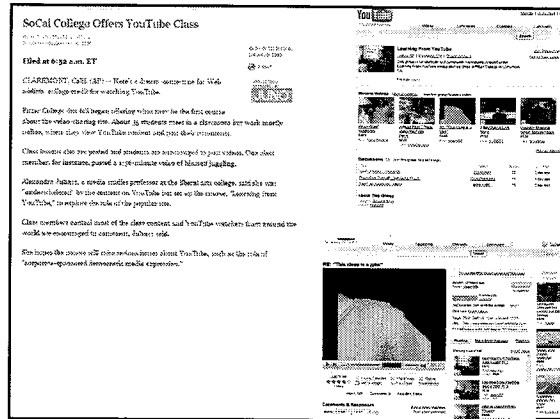
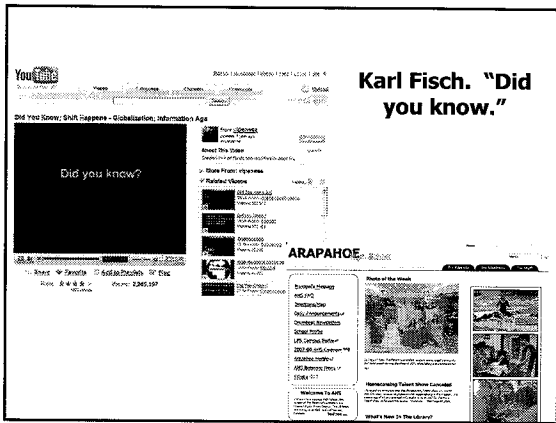
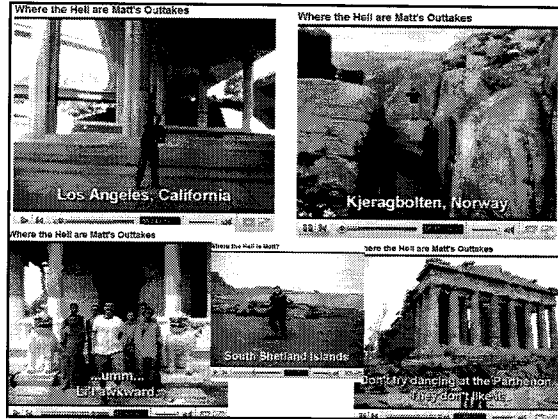
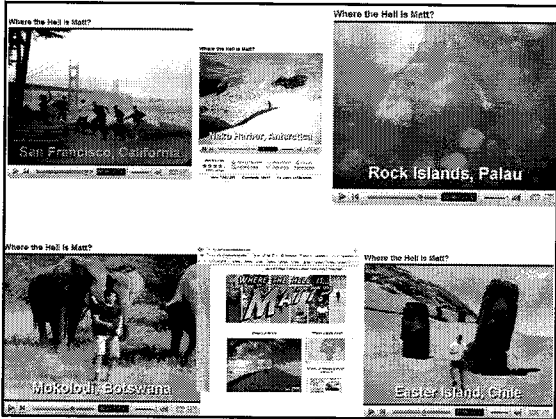


Slashdot (News for nerds, stuff that matters)
<http://slashdot.org/>



Everything is submitted and voted on by the Digg community. Share, discover, bookmark, and promote stuff) <http://digg.com/>
USA TODAY, October 24, 2007, Traffic rose about 330% to 5.6 million visitors in September, from 1.3 million the prior





New YouTube Features in TestTube!

Active Sharing
View the sharing toolbar that allows users to share their videos on social media.

Audio Swap
Swap the audio of your video with another audio track.

Remixer
Create remixes of your videos using the TestTube Remixer.

Streams
Live stream your content to your TestTube channel.

Competition is in TeacherTube!

Individual Produced Videos (e.g., African School Dream in CurrentTV)

CurrentTV

SplashCast: Create own TV Channel

CNN Videos

Global Nomads Group

<http://www.gng.org/home.html>

NomadsLand

<http://nomadsland.com/>

Make Videos Available for World (see dotSUB)

TECHNOLOGY

Sony Shows Off Paper-Thin, Bendable Video Display

By Preston Gralla on Wed, 02/14/2007 - 7:08am

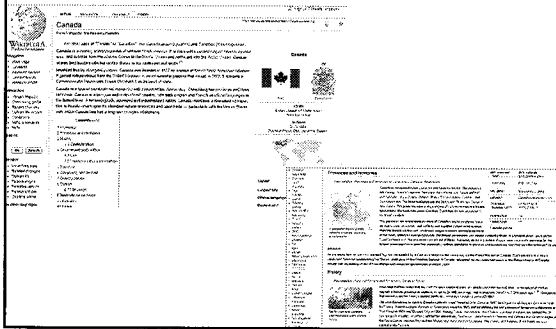
Wikis: Wikipedia and Wikibooks

U.S. senator: It's time to ban Wikipedia in schools, libraries

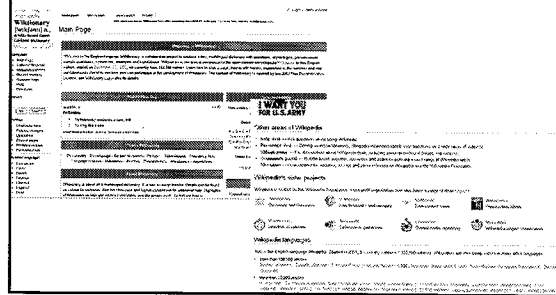
By Preston Gralla on Wed, 02/14/2007 - 7:08am

Here's the newest from Sen. Ted Stevens, the man who described the Internet as a series of tubes: It's time for the federal government to ban access to Wikipedia, MySpace, MySpace, and social networking sites from schools and libraries.

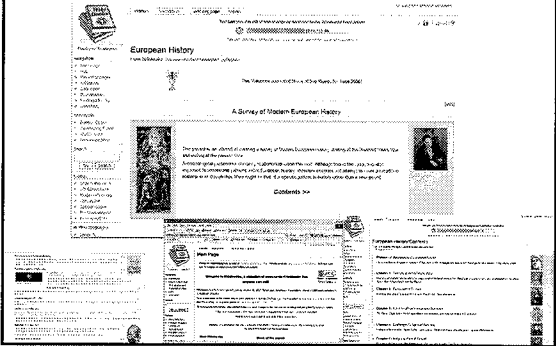
Canada in Wikipedia



Wiktionary



Sample Book (Learning Theories) http://en.wikibooks.org/wiki/Main_Page

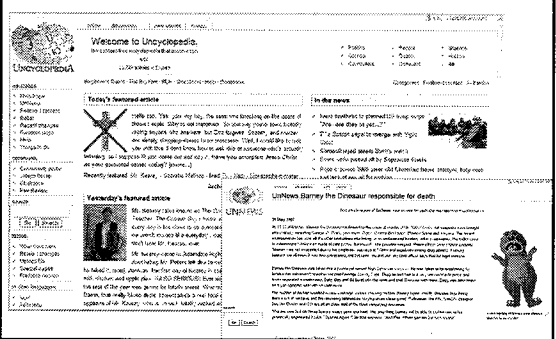


Wiki Questions

USA Today,
June 7, 2007

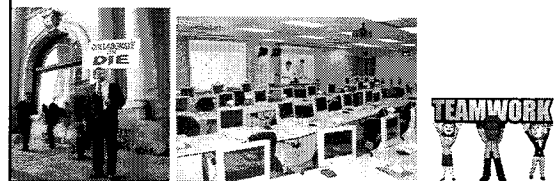
1. Who regularly reads Wikipedia articles just for fun?
2. Who regularly reads Wikibooks?
3. Who seeks Wikipedia for content?
4. Who has edited or written new articles on Wikipedia or Wikibooks?
5. Who thinks it is ok for college students to cite from Wikipedia?

http://encyclopedia.org/wiki/Main_Page



The Ten Forces that Flattened the World

7. Electronic Collaboration and Interaction (synchronous and asynchronous)



Skype says it is used by 136 million people worldwide (e.g., Language Learning)

The image shows a screenshot of the Skype website. At the top, there is a headline: "Skype says it is used by 136 million people worldwide (e.g., Language Learning)". Below the headline, there is a list of user profiles with their names and avatars. In the foreground, there is a video call interface showing two people talking. The interface includes a video window, a chat window, and various control buttons.

The image shows a screenshot of a complex web application interface. It features multiple panels, including a list of items, a search bar, and various data tables. The interface is densely packed with text and icons, suggesting a professional or administrative tool.

Online Mentoring
(1k More project in China; <http://www.1kg.org/>)

The image shows a screenshot of the 1kg.org website. The main heading is "Online Mentoring" with a sub-heading "(1k More project in China; http://www.1kg.org/)". Below the heading, there are several small images and text blocks, each representing a different project or activity. The text is in Chinese and describes various initiatives related to the 1kg project.

Online Mentoring
(1k More project in China; <http://www.1kg.org/>)

- 1kg More (short for "1 kilogram more in your travel pack") is a non-official cause of charity crossing over travel.
- It runs behind the idea of travelers bringing 1kg of inexpensive educational materials in addition to their package to give away to some one that needs it along their journey, e.g. kids that cannot even afford a pencil rubber.
- 1. Passing - Prepare 1kg of books or stationeries for underprivileged kids you may meet in your journey;
- 2. Communicating - Talk to and play with kids and get to know them;
- 3. Sharing - Share your travelogues with people via 1kg forum and spread the words among friends and around.

The image contains several small, square images showing people and children, likely related to the 1kg project. These images are placed around the text to illustrate the project's focus on children and education.

1 KG Project (i.e., one kilogram more in your travel packet)

The image is a collage of various black and white photographs. The photos show children in different settings, some sitting at desks, some playing, and some in group photos. The images illustrate the impact of the 1kg project on children's lives and education.

The image is a collage of various black and white photographs, similar to the previous one. It shows children in different settings, some sitting at desks, some playing, and some in group photos. The images illustrate the impact of the 1kg project on children's lives and education.

Twinbooks:
<http://www.twinbooks.cn/>

The Ten Forces that Flattened the World

8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

MICHEL MARRIOTT
 Published: February 24, 2005

Dr. Rosser uses a simulator to hone his laparoscopic surgery skills.

Cutting Edge - Dr. James Clarence Rosser Jr., chief of minimally invasive surgery at Beth Israel Medical Center in Manhattan, trains other doctors to use gaming to improve their operating-room skills.

http://www.nytimes.com/2005/02/24/technology/circuits/24docs.html?_r=1&oref=slogin

Teleportec Conferencing

Choi Seang Rak (left), an economics and public policy professor at Dongguk University in Seoul, South Korea, and his Lineage II avatar, Uroo Ahs. "Because I'm very polite, people think I really am a little girl," he says. Copyright Robbie Cooper/Chris Boot

Go Get a (Virtual) Life, NPR, Sept 11, 2007
<http://www.npr.org/templates/story/story.php?storyId=14087749>

THE CHRONICLE

Kaneva, a new virtual world

The Ten Forces that Flattened the World

9. Real-Time Mobility and Portability (e.g., iPhone, low cost wireless devices)

Singapore and Taipei (Intel Press Release, 2006)

- Singapore, the island city-state in Southeast Asia, is about to complete a major new public/private project that will see large chunks of the 270 square mile city provided with Wi-Fi access by the end of 2008. The entire city, indoors and out, is due to be covered by 2015.
- In the coldest capital in Canada, the city residents of Iqaluit (pop. 6,000) enjoy free wireless from one free hotspot (with two more due soon to cover the suburbs), while Taipei, Taiwan (pop. 2.6 million) has a few more—over 4,000 hotspots that provide coverage for 90 percent of the city.

\$100 Laptop

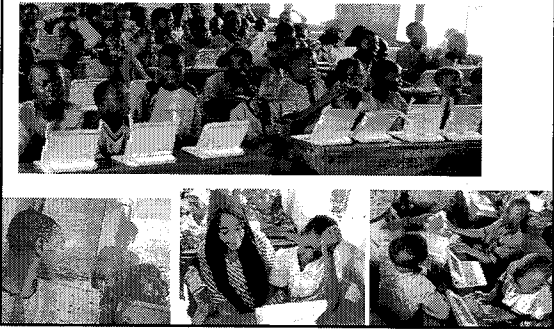
SCI-TECH
Features
A revolution in a laptop
By Greg Norman

Monday 13 August 2006, 18:49 GMT
After an August 2005, Intel made the...
OLPC aims to turn the tide of urban poverty

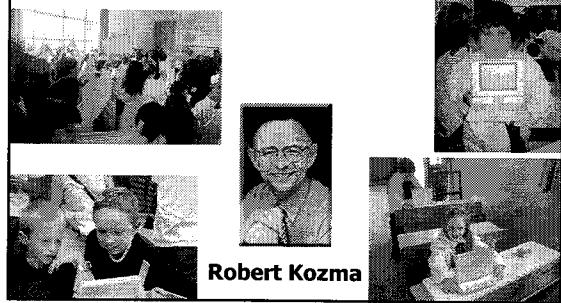
Computers for Peace By Grace Rubenstein GLEF

Developing-world laptops for sale...
DABBITZ...
Using a VCD in combination, groups of children can do activities together, such as create photos of nature and picture books.
Uses 2 watts of power: TV from average laptop; manually rechargeable.
Rugged keyboard means that even dirt and will be contacted by the user's tongue.

OLPC in Nigeria: School Galadima
One Laptop Per Child foundation (OLPC) provided School Galadima in March 2007 with an XO laptop for each child in Primary 4, 5 and 6 and also for each member of the staff.



Uruguay youngsters receive batch of OLPC XOs
 Posted May 14th 2007 3:34PM by Darren Murph
<http://www.engadget.com/2007/05/14/uruguay-youngsters-receive-batch-of-olpc-xos/>



Robert Kozma

OLPC in Nigeria: School Galadima
One Laptop Per Child foundation (OLPC) provided School Galadima in March 2007 with an XO laptop for each child in Primary 4, 5 and 6 and also for each member of the staff.



Drawing of his future house by a primary 5 student who wants to be a banker.



Teachers also do artistic work on their XO laptops, like this teacher's local scene.



Simple as it may seem, this graph is the result of a complex process: primary 6 worked together, made a census of themselves and of the whole school, and understood both population and mathematical graphing concepts.



Nakaseke community radio station

Nakaseke village telecenter

One Laptop Per Child News
<http://www.olpcnews.com/>

Nigerian school OLPC XO usage

The Age of Wireless

MOST (UN)WIRED SCHOOLS?
 CNET and U.S. News and World Report got the top 50 universities' tech specs and asked them which computers they recommend to students and faculty.
 CLICK HERE TO VIEW

Totally wireless on campus

The Ten Forces that Flattened the World

10. Networks of Personalized Learning (Blogs, Podcasts, MySpace, Flickr, and RSS)

Podcast Questions

1. Who has listened to a podcast?
2. Who listens to a certain podcast on a regular basis?
3. Who has created a podcast?
4. Who has created a vodcast?
5. Who thinks podcasting is simply more talking heads?



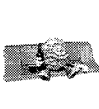
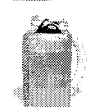
iPod's More Popular than Beer?

iPods knock over beer mugs



By Steve Kohler, USA Today

The iPhone and iPod are not only popular, they're also popular. They're popular with a lot of people, and they're popular with a lot of people. They're popular with a lot of people, and they're popular with a lot of people.



TOP 5 BEST SELLING MP3 PLAYERS

Model	Company	Price
iPod nano	Apple	\$129
iPod shuffle	Apple	\$79
SanDisk Sansa	SanDisk	\$129
SanDisk Sansa	SanDisk	\$129
SanDisk Sansa	SanDisk	\$129

Entice Students with Technology Giveaways

Historica 1295, SUNY College of Agriculture and Technology at Morrisville
The college gives all students a laptop as part of their tuition package.

Gateway M275 tablet PC, Winona State University
The school will provide the tablet computers to full-time students who do not have laptops from previous programs.

BlackBerry 7318 PDA, University of Maryland
The school has begun handing out the wireless personal digital assistants to faculty and more than 200 full-time graduate students in the School of Business.

INFORMATION TECHNOLOGY



Consumer's Guide to College Podcasts

(Daniel Coleman, Stanford, Chronicle of Higher Ed, June 4, 2007)

open culture
improved (and not only, turned up their...

multimedia
multimedia...

LISTEN
LISTEN...

EXTERNS
EXTERNS...

RECENT POSTS
RECENT POSTS...

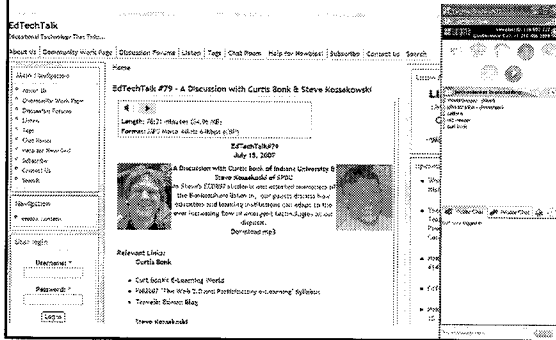
For hot author's latest, get out your headphones,
Sept 12, 2007, USA Today, David Lieberman

Audible says the novel— which Deaver describes as "*The Day of the Jackal* meets *The Da Vinci Code*" — will be the first major work of fiction created to be introduced only as an audio download.



One of Michelle Tanner's deaf students at Gerald Wright Elementary holds an iPod and watches a video of her signing the week's vocabulary words. The iPods were purchased with a grant from Qwest. Classrooms go high-tech. By Erin Stewart, Deseret Morning News, March 6, 2007

World Bridges and EdTechTalk

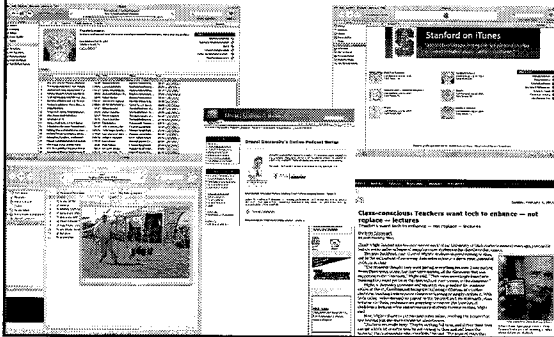


Student Podcast (in schools—kids have power!)

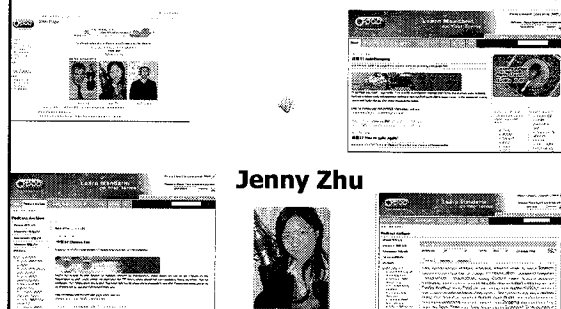
"Just the word 'podcast' scares a lot of teachers away," Ms. Schrock said. "There are a lot of misconceptions." "All you need is a computer, access to the Internet and a microphone that you can buy at Toys 'R' Us," Mr. Warlick said. "I listen to podcasts on my computer." (NY Times, Jan 25, 2006)



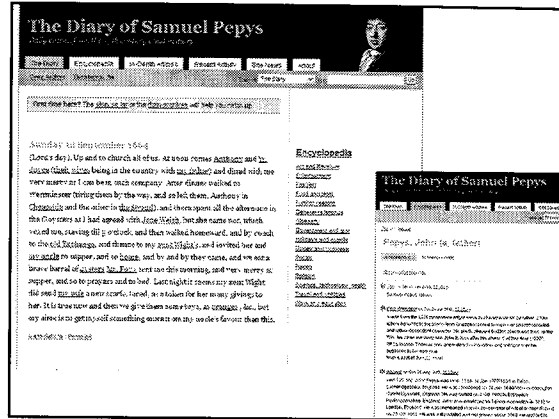
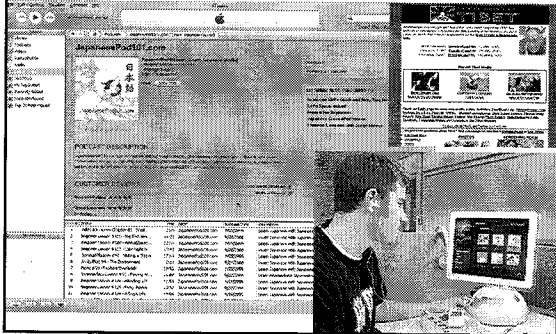
Get Lectures from Stanford and Berkeley on iTunes



Language Learning (ChinesePod—learn Mandarin)



JapanesePod, Arabic online, etc.



Blogging Questions

1. Who has a blog? Any for a specific class?
2. Who regularly reads other people's blogs?
3. Who assigns blogging tasks?
4. Who has created a video blog?
5. Who thinks it is an utter waste of time to blog?

Online Photo Albums, e.g., FLICKR (Inc. Magazine, December 2006)



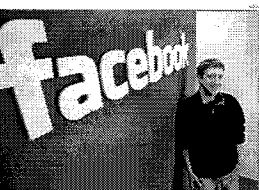
Social Networking Software

- Classmates: <http://www.classmates.com/>
- Facebook: <http://www.facebook.com/>
- Friendster: <http://www.friendster.com/>
- Friendzy: <http://www.friendzy.com/>
- MySpace: <http://www.myspace.com/>
- Orkut: <https://www.orkut.com/>
- Tribes: <http://www.tribe.net/>
- YouTube: <http://www.youtube.com/>

By Jefferson Graham, USA TODAY, September 5, 2007




Tech giants poke around Facebook




Facebook's Mark Zuckerberg, at his office in Palo Alto, Calif., is in no hurry to sell the popular social networking site. (23 years old)

Facebook could be worth as much as \$6 billion today, Bear Stearns (BSC) analyst Robert Peck says. He expects privately held Facebook to post a profit of about \$30 million on revenue of \$140 million this year, and register a \$70 million profit on revenue of \$358 million in 2008. He predicts \$6 billion in revenue by 2016.

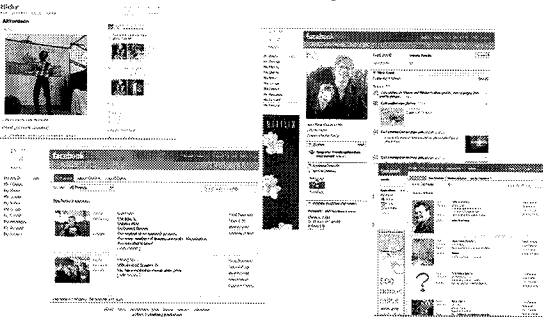
Facebook used to be just for the young (e.g., my son's Facebook account)



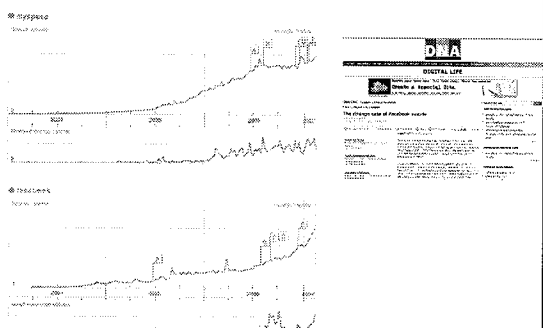
Social Networking Software (Web 2.0)



Facebook (from 2 friends to 50 seemingly overnight)

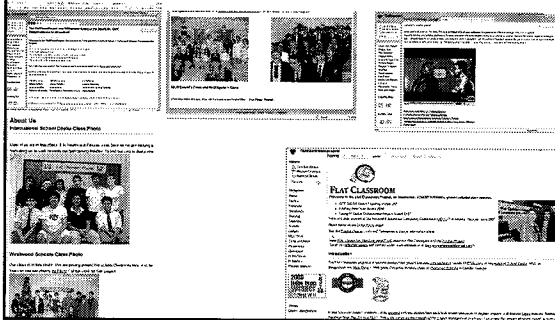


Recent Growth of Facebook and MySpace

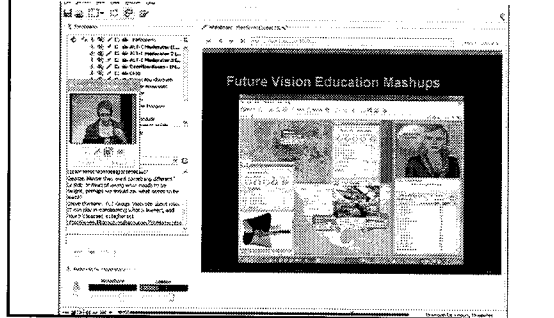


Combining Web 2.0 and Technology Trends (Ten Examples)

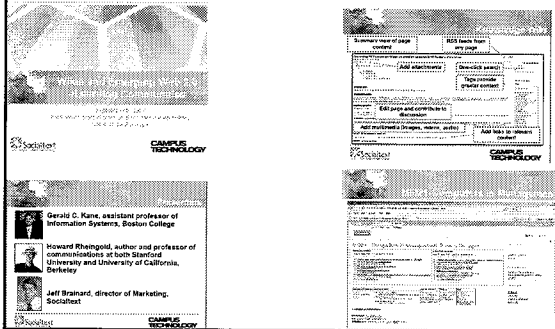
1. Flat Schools and Flat Classroom Projects!!!



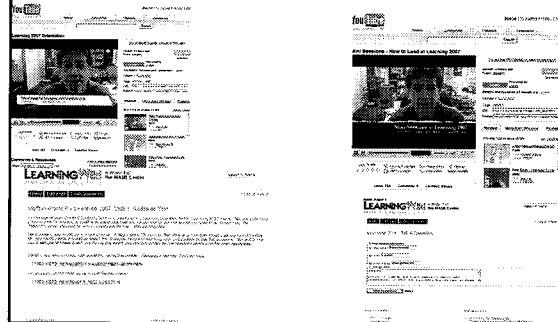
2. Michelle Selinger, ALT-C Keynote, September 2007, Univ of Nottingham



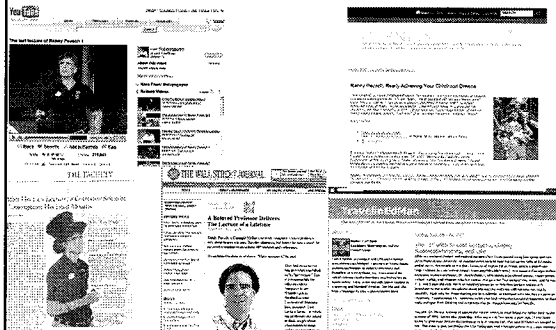
3. Wikis in Higher Education



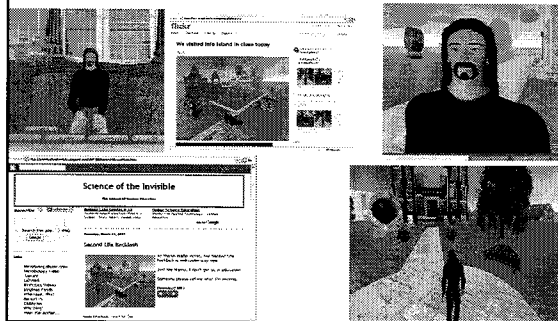
4. Elliott Masie, Learning 2007



5. Archive Last Lectures (Randy Pausch, Carnegie Mellon University)



6. Combining The Web 2.0 (e.g., Second Life, Blogging, and Photo Posting) Stephen Mandelbrot



7. Indexing Sounds in Cities with Google Maps

Sounds in Midwest

8. Cluster Maps (who is reading your blog or using your product); Blog of Will Richardson, famous K-12 blogger

Networks of Learning

Should schools promote online networking?

Michael Orey's Learning Theories Book (who is reading it?)

9. Vlogging (Video Blogging) e.g., Andy Calvin's Waste of Bandwidth Michael L. Wesch, Kansas State, The Machine is Using Us

Prayers for Seymour Papert

December 7, 2006

I've just heard the terrible news that educator and artificial intelligence pioneer **Seymour Papert** has been **gravely injured** in a motorbike accident. He was attending a conference in Hanoi when he was hit by the motorbike.



10. Video, Transcript, and Audio File: Watch, Listen, and Read

[Video](#) | [Transcript](#) | [Audio](#)



LEARNING 2.0
 November 8 • Orlando, Florida

Sharing Questions (today)

- For what purpose will people share?
- Who will continue to maintain or update such sites?
- Will online sharing become expected of all faculty members around the planet?
- How will copyright issues be addressed?
- What happens when one did not mean to share his or her course contents or ideas, or, at least, not as widely?
- How will such learning objects of today be viewed in 100 or 200 years?

Computers for Peace; By Grace Rubenstein; GLEF, Interview with Nicholas Negroponte, MIT

- In an ideal world, what is your single greatest hope for this project?
- A three-step hope: World peace *through* the elimination of poverty *through* education *through* learning. Education is the goal; learning is the means. A lot of learning can happen without teaching. We're banking on that.

It's Over...

Poll: Ok, then, who wants more???

A. Yes
 B. No
 C. Not sure

The Learning is Flat! The End!!!

