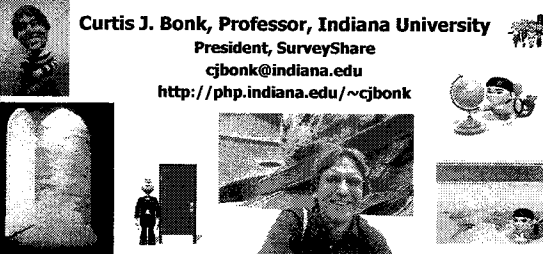
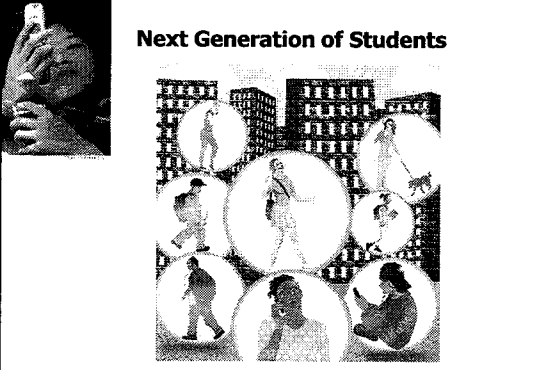



How the Learning World Became Flat (Open): Ten Knowledge Sharing and Technology Trends Equalizing Access to Learning

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





"STUDENT 2.0"



INFORMATION TECHNOLOGY

Bonk's Addiction Q'er

1. Who has 2 or more cell phones with Internet access?
2. Who has 2 or more laptop computers with wireless connections?
3. Who is on email in the morning? At noon? Who does it at night?
4. Who suffers from nervous tension when you cannot get on email?
5. Who is on the Web right now?

Computer-free students find life hard without them

Mitchell Lundin, left, Andrew Tatge and Caitlin Magnusson tackle the typewriter as part of an experiment at Carleton College.
Dec 17, 2007, Brittany Levine, USA Today

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

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)

What if the learning world was flat? (e.g., Shakespeare's Global Globe)

What if the World was Beyond our World? NASA's Hubble Space: Google Sky

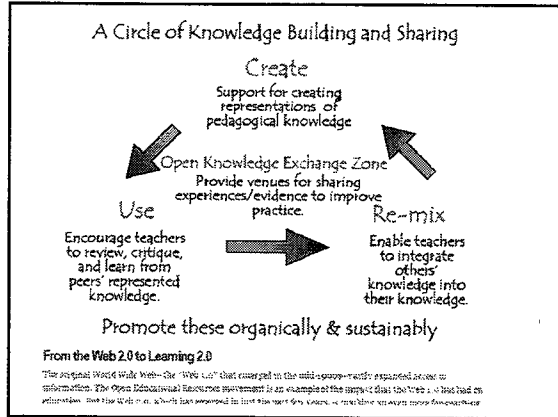
USA Today, August 22, 2007
<http://earth.google.com/sky/index.html>

What if every early elementary kid could have a terabyte (1,000 gigabytes or 1 trillion bytes) of data on a thumb drive? (Wired Magazine, October 26, 2007 says it will be possible in a few years; research from Arizona State)

What if a laptop was as light as air?

What if our minds were on fire for learning?

MINDS ON FIRE: OPEN EDUCATION, THE LONG TAIL, AND LEARNING 2.0. JOHN SEELY BROWN AND RICHARD ADLER, EDUCAUSE REVIEW, JANUARY-FEBRUARY, 2008.
<http://connect.educause.edu/Library/EDUCAUSE+Review/MindsonFireOpenEducation/45823>



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.)

First we need the pipes!

A Blueprint for Big Broadband. An EDUCAUSE White Paper, by John Windhausen Jr., President, Telepoly Consulting, January 2008

A. ITU Broadband Rankings

The International Telecommunications Union (ITU) recently opened a new website portal, the ICT “Eye,” containing extensive information on each country’s telecommunications capabilities each year since 1999.²⁴ In comparing the international rankings according to the number of broadband subscribers per 100 people, this information shows that the United States rank dropped every year since 1999:

Year	U.S. International Rank—Broadband Subscribers per 100 People:
1999	3 rd
2000	5 th
2001	7 th
2002	11 th
2003	15 th
2004	18 th
2005	19 th
2006	20 th

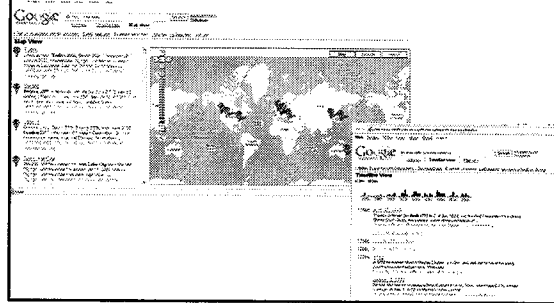
²⁴ See <http://www.itu.int/ITU-D/ICTE/indicators/indicators.shtml>.

**Second, we need new ways to record info:
Smartpens: "Never Miss a Word"**



Livescribe puts a computer inside a plump ballpoint pen. NY Times, May 30, 2007, MIGUEL HELFT, Take Note: Computing Takes Up Pen, Again (February 6, 2008, Wired Campus, Online Chronicle of Higher education. Andrea Foster)

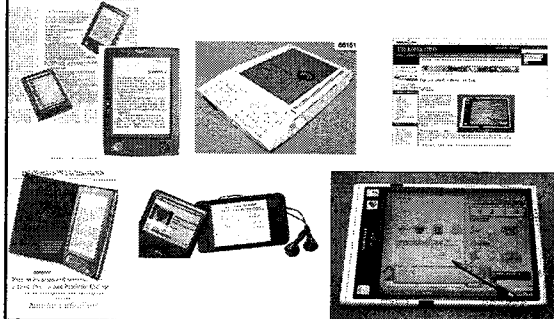
**Need new ways of representing & accessing info
(e.g., Google is working on Timeline and Map Views)**



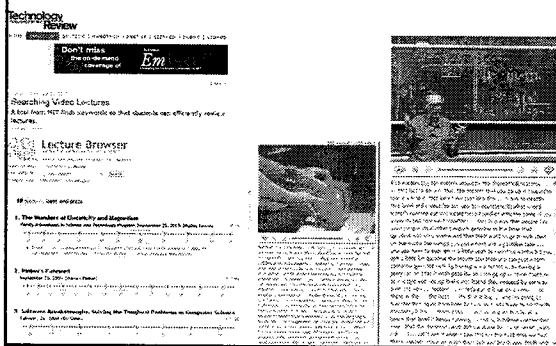
**Next, we need new ways to search
for that info in those pipes!**



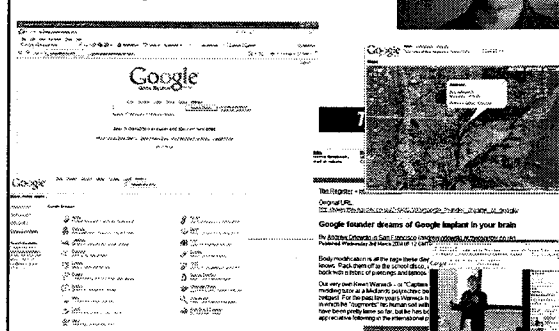
**New ways to read information
(e.g., Thinner, Crisper, and Cheaper
eBooks; Kindle = \$400-500)**



New Ways to Find Lectures



**Maybe we need a special Google
chip in our brains!**



Much New Content (e.g., books) is now Available for Free!

The Open Content Alliance (OCA) is a global coalition of libraries, publishers, and other content providers that has made over 100,000 books available for free. The OCA is committed to making digital content available to all, and is currently working on making even more content available for free.

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

This digital archive provides access to the book "An International Episode" by William James. Users can view the book cover, read the text, and listen to audio recordings of the book. The interface includes a search bar and navigation options.

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

Google has made all of Darwin's and Shakespeare's works available online. The website features a search bar and a list of books, including "The Origin of Species" by Charles Darwin and "The Complete Works of William Shakespeare" by William Shakespeare.

Digital History Project (University of Houston)

The Digital History Project at the University of Houston provides access to a wide range of historical documents and resources. The website includes a map of the United States and a list of historical events and documents.

Free Books on Online Learning

Terry Anderson, Athabasca University

"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." (Oct 2005) Update: 10,700 downloads, of which 6,003 were full book downloads; January 2008.

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

Global Text Project (free textbooks for those in less developed countries)

<http://globaltext.org/>

The Global Text Project provides free access to a wide range of textbooks for students in less developed countries. The website includes a list of textbooks and their covers, along with a search bar and navigation options.

The Carlyle Letters Online: Exploring Victorian World Through Letters and The Diary of Samuel Pepys

The Carlyle Letters Online is a digital archive of letters and diaries from the Victorian era. It features a search interface and detailed views of individual documents, such as the diary of Samuel Pepys.

The Ten Forces that Flattened the World

2. Enormous E-Learning and Blended Learning

EDUCATION with Student Voice

Students prefer online courses

Classes popular with on-campus students

By G. Jeffrey MacDonald, Special for USA TODAY, November 2007

Left: Study sheds light on part of the problem. South Dakota, by comparing to class isn't the problem. Start the learning process, and wants more during the day to restore textbooks.

Right: Study sheds light on part of the problem. South Dakota, by comparing to class isn't the problem. Start the learning process, and wants more during the day to restore textbooks.

Total and Online Enrollment in Postsecondary Institutions

Fall 2002 through Fall 2006
(for Degree-Granting Institutions)

	Total Enrollment	Annual Growth Rate Total Enrollment	Students Taking at Least One Online Course	Annual Growth Rate Online Enrollment	Online Enrollment as Percent of Total Enrollment
Fall 2002	16,611,710	NA	1,602,970	NA	9.7%
Fall 2003	16,930,479	1.7%	1,971,397	23.0%	11.7%
Fall 2004	17,272,043	2.2%	2,329,733	18.2%	13.5%
Fall 2005	17,428,500	0.9%	3,180,050	38.5%	18.2%
Fall 2006	17,647,720	1.3%	3,486,951	9.7%	19.8%

SOURCE: Online Issues: Five Years of Growth in Online Learning (October 2007)

Sara Cordell, professor of English at the University of Illinois-Springfield, says she feels online students become better writers because they get so much practice. NPR Special, Nov 29, 2007, Larry Abramson. (67% of US Colleges and universities offer online courses; 35% offer fully online programs.)

'Distance learning' gets its close-up

By G. Jeffrey MacDonald, Special for USA TODAY, November 2007

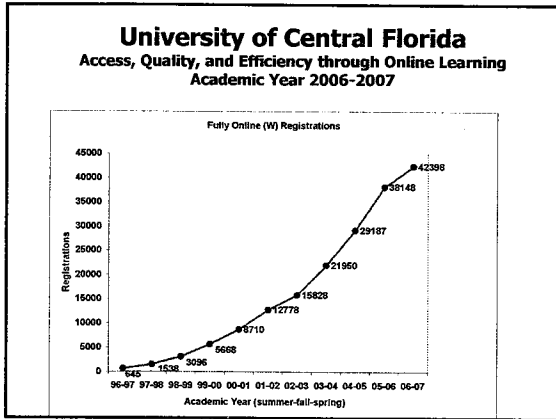
- More than two-thirds of all U.S. colleges and universities offer online courses, and 35% of schools offer programs that are entirely online, according to the Sloan survey, and 20% of the USA's 17 million college students say they have taken at least one course online.

FLORIDA'S ONLINE BOOM

Year	Enrollment
2002	77
2003	277
2004	639
2005	2,817
2006	6,785
2007	9,928
2008	12,823
2009	26,816
2010	37,914
2011	56,883

Global Campus

The Global Campus website features a navigation menu, a main content area with a globe, and various sections including 'About Global Campus', 'Learning Options', and 'Enrollment'. It includes text about online learning and a photo of students.



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

The Ten Forces that Flattened the World

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


Moodle

The Sakai Project

The Ten Forces that Flattened the World


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

Do You Share?



1. Who has shared information found in Wikipedia or shared a link in YouTube?
2. Who has used online phone services such as Skype or Google Talk?
3. Who has arranged for online guest experts or embedded international exchanges?
4. Who has used collaborative software? (Google Groups, Yahoo Groups, Sharepoint)
5. Who has used MERLOT, Connexions, or the MIT open courses?

Most are Scared to Share!!!



Cape Town Open Education Declaration December 2007

<http://www.capetowndeclaration.org/>

THE CAPE TOWN OPEN EDUCATION DECLARATION

Read the Declaration

Cape Town Open Education Declaration
Nurturing the promise of open educational resources

We, the undersigned, recognize the power of open educational resources to transform education and to provide a more equitable and accessible learning environment for all. We believe that open educational resources can help to reduce the barriers to education and to provide a more equitable and accessible learning environment for all. We believe that open educational resources can help to reduce the barriers to education and to provide a more equitable and accessible learning environment for all.

OPEN SOCIETY INSTITUTE

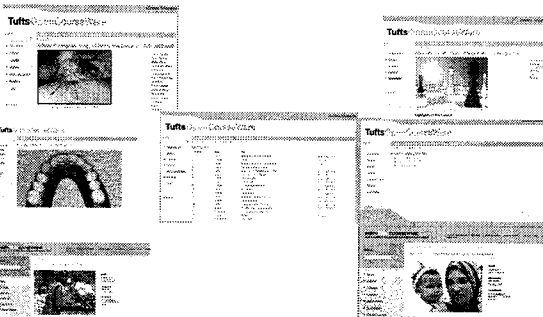
eduCommons (free tool from Utah State University to post your courses online)



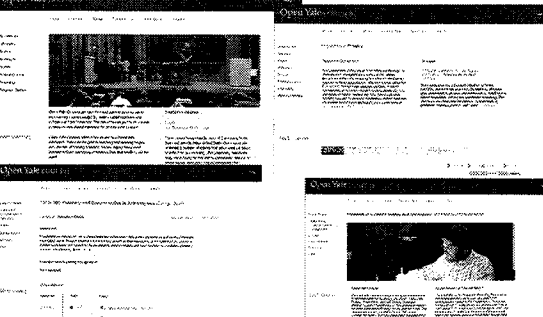
The eduCommons is an Open Source Management System designed specifically to support OpenCourseWare projects. It is a free tool from Utah State University to post your courses online.

eduCommons is an Open Source Management System designed specifically to support OpenCourseWare projects. It is a free tool from Utah State University to post your courses online.

Tufts OpenCourseWare Project



Open Yale



Vietnam Fulbright Economics OCW

The screenshot shows a website for the Vietnam Fulbright Economics Online CourseWare (OCW). It includes a header with the title, a navigation menu, and a main content area with text and images. A sidebar on the right contains a grid of small portraits of individuals.

National Repository for Online Courses (NROC) Commons

The screenshot shows the National Repository for Online Courses (NROC) Commons website. It features a header with the title, a navigation menu, and a main content area with text and images. A sidebar on the right contains a grid of small portraits of individuals.

**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 OOPS, Taipei)

The screenshot shows the Opensource Opencourseware Prototype System (OOPS) website. It features a header with the title, a navigation menu, and a main content area with text and images. A sidebar on the right contains a grid of small portraits of individuals.

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**

The screenshot shows the OOPS website. It features a header with the title, a navigation menu, and a main content area with text and images. A sidebar on the right contains a grid of small portraits of individuals.

MIT OPENCOURSEWARE

Highlights for High School

The screenshot shows the MIT OpenCourseWare website. It features a header with the title, a navigation menu, and a main content area with text and images. A sidebar on the right contains a grid of small portraits of individuals.

The Ten Forces that Flattened the World

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

The Learning World is Flat

National Geographic Investigates

CNN Videos

doFlick (instructional videos in science, engineering, and technology from the Univ of Maryland)

Uchannel (Princeton University's Web-Video network that pulls together audio and video recordings of campus talks)

Research Channel (broadcasts videos of campus lectures and presentations in a variety of formats; reaches 30 million homes in USA)

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/>

Alive and Online

From amoebas to zebras, every living thing will get its own Web site, thanks to the new **Encyclopedia of Life**.
By Brian Braiker, Newsweek, Updated: 6:54 p.m. ET May 9, 2007
Goal = to inspire a generation of scientists!

Yeti Crab: This recently discovered species already has its own sample page at eol.org

What if K-2 teachers could have free reading instruction at their fingertips? See free-reading.net

http://free-reading.net/index.php?title=Main_Page

A Grain of Rice: A Bloomington man's computer vocab game feeding the world

Herald Times, Wednesday
February 6, 2008
Mike Leonard

Referatory: MERLOT.org

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

K-12 Content: 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.

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

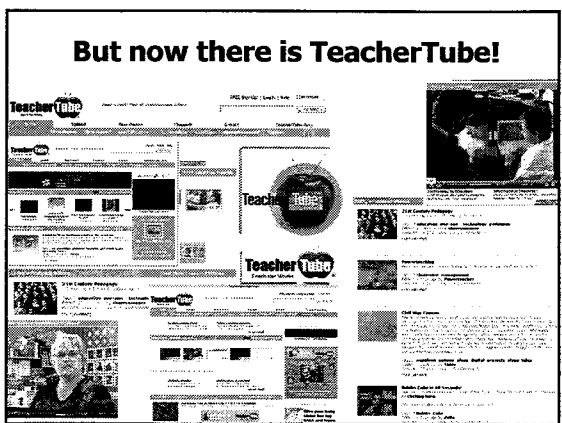
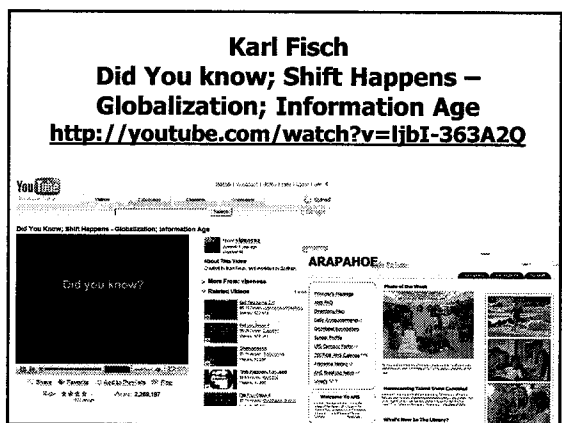
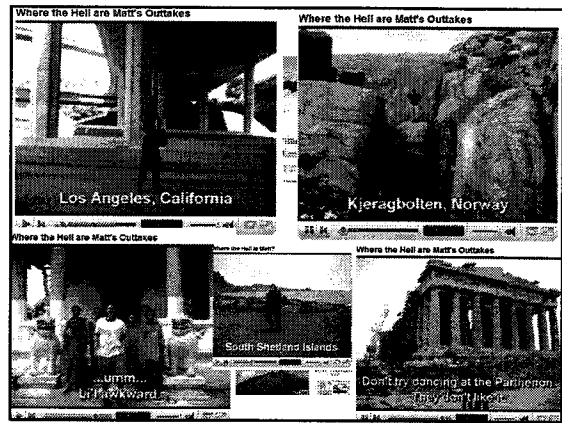
Palo Alto High School journalism teacher Esther Wojcicki helps student Allison Wyndham at a computer during journalism class in Palo Alto, Calif. Wojcicki is helping Google bring its online suite of software applications to classrooms across the country

The Ten Forces that Flattened the World

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

Slashdot and Digg (all about user powered content. Everything is submitted and voted on by the Digg community. Share, discover, bookmark, and promote stuff) <http://digg.com/>

USA TODAY, Oct 24, 2007, Traffic rose about 330% to 5.6 million visitors in Sept, from 1.3 prior Sept,



Free Video Lectures (Ustream Tv: <http://www.ustream.tv/>)

The screenshot shows the Ustream website interface. At the top, there's a navigation bar with 'Home', 'About', 'Contact', and 'Help' links. Below that, a large banner features a video lecture titled 'A Look at Global Instructional Strategy'. To the right, there are several smaller video thumbnails, including one for 'LIVE INTERACTIVE BROADCASTING'. A search bar is visible in the top right corner.

SplashCast: Create own TV Channel

The screenshot displays the SplashCast website. The main area is filled with a grid of video thumbnails from various channels. On the right side, there's a section for 'GUEST Channels' featuring a profile picture and name. A search bar is located at the top right. The overall layout is clean and modern, emphasizing video content.

Big Think: contains interviews with academics, authors, politicians, and other thinkers. <http://www.bigthink.com/>

The screenshot shows the Big Think website. The main content area features a large video player on the left with a portrait of a man, and a list of other video interviews on the right. Each interview entry includes a small thumbnail and a brief description. The website has a professional, academic feel.

Global Nomads Group <http://www.gng.org/home.html>

The screenshot displays the Global Nomads Group website. The page is filled with a grid of video thumbnails, each representing a different video. The layout is simple and focuses on showcasing the group's content. There are some text elements interspersed between the video thumbnails.

Make Videos Available for World (see dotSUB)

The screenshot shows the dotSUB website. At the top, there's a search bar and navigation links. Below that, a video player is visible, showing a scene with several people. To the left of the video player, there's a list of subtitles for the video, including options for 'English', 'Spanish', and 'Portuguese'. The website is designed to be user-friendly for finding and downloading subtitles.

TECHNOLOGY

Sony Shows Off Paper-Thin, Bendable Video Display

THE NEW YORK TIMES | TECHNOLOGY

THE NEW YORK TIMES | 10/20/11

BY MICHAEL WATSON

FOR THE FIRST TIME, A VIDEO DISPLAY AS THIN AS A SHEET OF PAPER AND AS FLEXIBLE AS A BENDABLE VIDEO DISPLAY HAS BEEN SHOWN TO THE PUBLIC.

SONY CORP. (SNE) RELEASED VIDEO OF THE NEW 2.5-INCH QX24Y FRAGE.

IT IS A BENDABLE DISPLAY, A DISPLAY THAT IS 0.3 MILLIMETERS, OR 0.01 INCH, THIN. THE DISPLAY SHOWS CLEAR IMAGES OF A 300-DPI DISPLAY PANEL.

CLICK HERE FOR THE PERSONAL TECHNOLOGY SECTION.

CLICK HERE FOR THE PERSONAL TECHNOLOGY SECTION.

Although the panel fits in a gaming shell, a display that is so thin it can be rolled up like a sheet of paper.

Sony said it has yet to decide on commercial products using the technology.

The image shows a person's hands holding a very thin, flexible video display. The display is curved, demonstrating its flexibility. It shows a clear image of a person's face. The background is dark, making the display stand out.

YouTube at Warp Speed!

http://www.youtube.com/warp_speed

Wikis: Wikipedia and Wikibooks

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

By Preston Gralla on Wed, 02/14/2007 - 7:58pm

Here's the news 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. It's time, and should extend that ban to schools and libraries.

ABOUT THIS BLOGGERS
Preston Gralla, Preston Gralla is a columnist, Computerworld, and the author of more than 100 Windows Vista in a Nutshell.

Canada in Wikipedia

A link to a reader request

Rank	Year	Score
1	2006	855
2	2005	852
3	2004	848
4	2003	845
5	2002	842
6	2001	839
7	2000	836
8	1999	833
9	1998	830
10	1997	827

Wiktionary


Sample Book (Learning Theories)

http://en.wikibooks.org/wiki/Main_Page

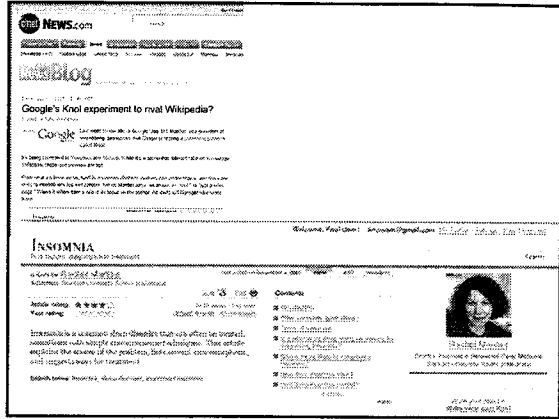
Wiki Questions

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?

**USA Today,
June 7, 2007**



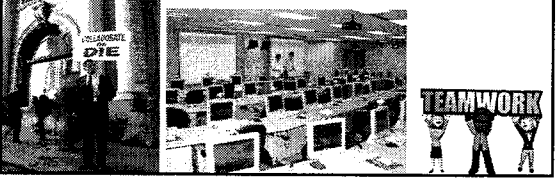
Qui: Topynot
 on: Anthony G. Williams



NEWS.com
 Google's Knol experiment to rival Wikipedia?
 INSOMNIA
 By [Author Name]

The Ten Forces that Flattened the World

7. Electronic Collaboration and Interaction (synchronous and asynchronous)



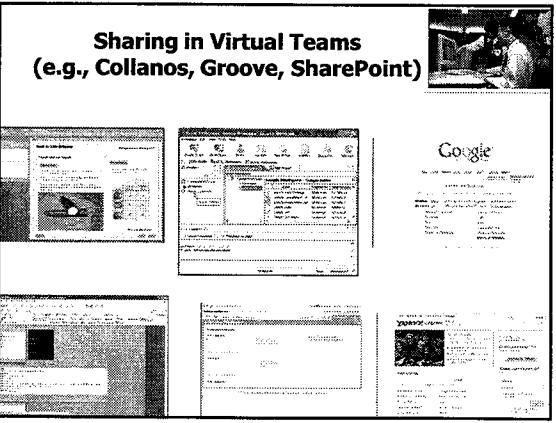
The Learning World is Flat



World Business
 Hello, India? I Need Help With My Math

TutorVista has 600 tutors in India and 10,000 subscribers in the United States, including Kenneth Tham in Arcadia, Calif.

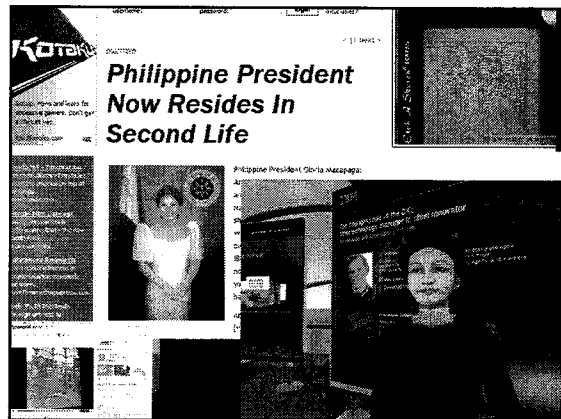
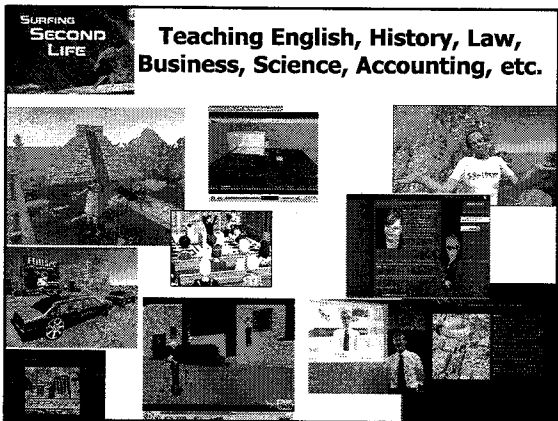
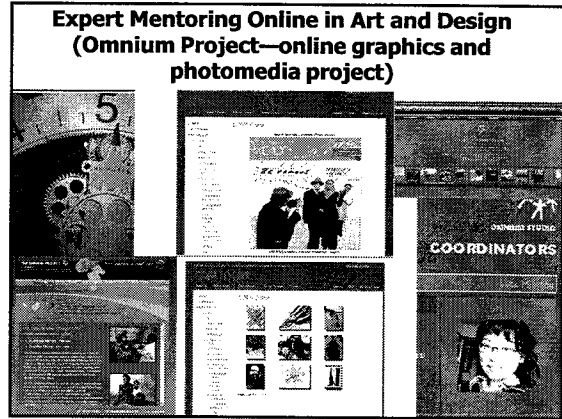
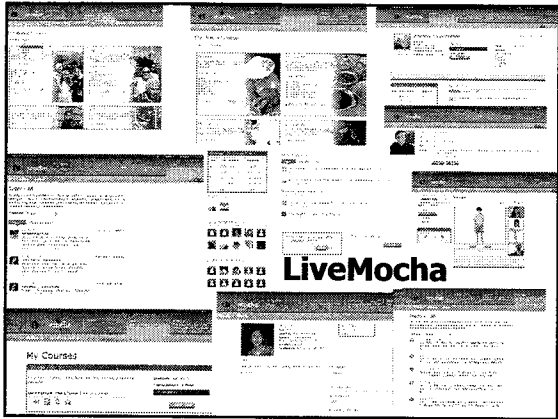
Sharing in Virtual Teams (e.g., Collanos, Groove, SharePoint)



Google


Skype, Google Talk, Chinesepod, LiveMocha, VoiceThread, YackPack, Dotsub, Chinswing, and many other Collaborative Language Learning






What if your personal in one virtual world (e.g., Second Life) could teleport to another?

Technology



Moving Freely between Virtual Worlds
Players hope to connect their avatars online to form a 3-D Internet.




The Ten Forces that Flattened the World

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

Industry

The New, Cross-Platform Social Editor



The Learning World is Flat

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.
- Taipei, Taiwan (pop. 2.6 million) has a few more—over 4,000 hotspots that provide coverage for 90 percent of the city.

The Age of Wireless

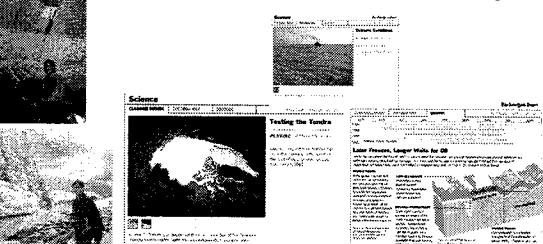
MOST (UN)WIRED SCHOOLS?
CNET and U.S. News and World Report get the top 50 universities' tech specs and asked them which computers they recommend to students and faculty.

Totally wireless on campus



New York Times reporter Andrew Revkin continues doing compelling multimedia work. He's now not only shooting photos and recording audio -- he's moved on to video and blogging.

In his latest trip, Andrew C. Revkin headed north to chronicle the shifts on Greenland and researchers' efforts to understand them. He periodically posted dispatches in a blog-like diary.



\$100 Laptop

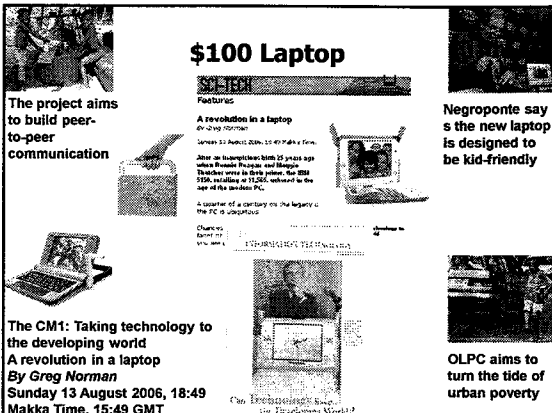
SO TECH
Features
A revolution in a laptop
by Greg Norman

The project aims to build peer-to-peer communication

Negroponce says the new laptop is designed to be kid-friendly

**The CM1: Taking technology to the developing world
A revolution in a laptop
By Greg Norman
Sunday 13 August 2006, 18:49
Makka Time, 15:49 GMT**

OLPC aims to turn the tide of urban poverty



TIME

The Best Inventions Of The Year

Computers

The S150 Laptop

The S150 Laptop is featured as one of the best inventions of the year. The image shows several views of the laptop, including one with a screen displaying a photo of a person.

BREAKDOWN OF COST

The collage includes various images: the laptop itself, a person using it, and a pie chart showing the cost breakdown. The pie chart is divided into segments representing different components or features of the laptop.

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.

The collage shows several scenes of children and staff members using the XO laptops in a classroom. Some are sitting at desks, while others are standing and interacting with the devices.

The Ten Forces that Flattened the World

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

The Learning World is Flat

The block contains a screenshot of a Flickr page titled "Good Games: Sonja's Life" and a cartoon illustration of a person sitting at a desk with a laptop, representing personalized learning networks.

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?

The collage includes photos of a person speaking into a microphone, a person using a laptop, and other related images.

iPod's More Popular than Beer?

iPods knock over beer mugs

The collage features images of a person holding a beer mug, a person using an iPod, and other related scenes. It includes text discussing the popularity of iPods compared to beer.

NEWS
Smart Gears and Pads to Education Students

Entice Students with Technology Giveaways



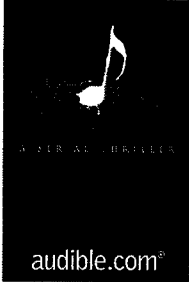
Gateway M275 tablet PC, Wisconsin State University, Mayville State University
 The schools will provide the tablet computers to full-time students who do not have laptops from previous programs.

BlackBerry P10 PDA, University of Maryland
 The school has begun a lending pilot for student personal digital assistants to help and make it an 100 percent success rate for students in the South Shore of Baltimore.



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.

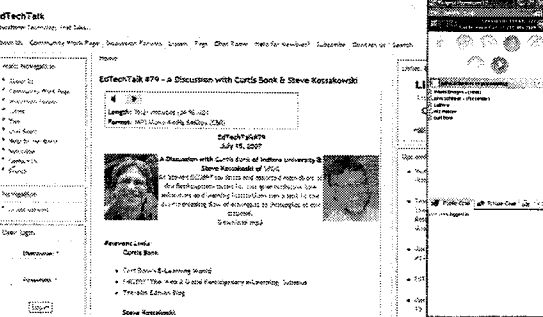


audible.com®




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

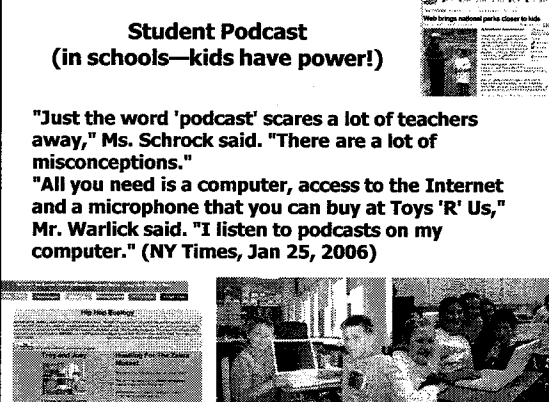


EdTechTalk
 EdTechTalk 479 - A Discussion with Curtis Bok & Steve Kozlowski
 Length: 70:21 minutes (24:54:11)
 Format: MP3, AAC, Audible, AAC3, AAC4
 Date: 09/19/2007
 A Discussion with Curtis Bok of Indiana University & Steve Kozlowski of USC
 EdTechTalk is a free and secure web-based discussion site for educators and researchers. It is a free and secure web-based discussion site for educators and researchers. It is a free and secure web-based discussion site for educators and researchers.

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

This block contains several overlapping screenshots. One prominent screenshot shows the 'Stanford on iTunes' page, which lists various lecture series available for download. Another screenshot shows an article titled 'Classroom.com: Teachers want tech to enhance - not replace - lectures', discussing the integration of technology in education.

Language Learning (ChinesePod—learn Mandarin)

This block features screenshots of the ChinesePod website, which offers audio and video lessons for learning Mandarin Chinese. Below the website screenshots is a portrait of Jenny Zhu, likely a representative of the platform.

Englishpod, Spanishpod, JapanesePod, Koreanpod, Arabic online, etc.

This block is a collage of screenshots from several language learning websites. Visible titles include 'EnglishPod', 'SpanishPod', and 'JapanesePod'. The screenshots show lesson plans, audio player interfaces, and user interface elements of these platforms.

Blogging Questions

1. Who has a blog?
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?

This block contains a list of five questions related to blogging. The text is surrounded by a collage of small, square images, including what appears to be a portrait of a man and several clock faces.

This block is a collage of various photographs. It includes images of people in winter clothing, possibly in a snowy or mountainous environment. A large, stylized graphic of an eye is also present in the collage.

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

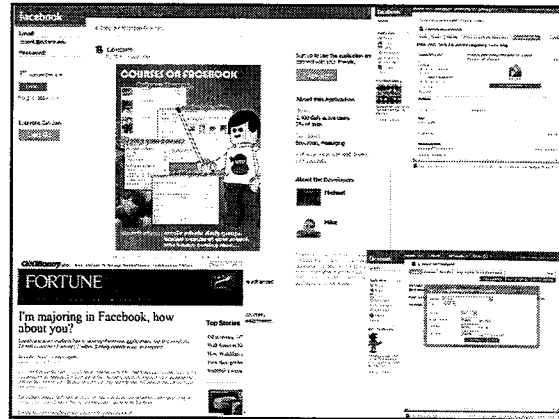
This block features screenshots of an online photo album, likely Flickr, showing various photos and album details. It also includes a screenshot of the December 2006 cover of TIME magazine, which features a photo of a couple and the headline 'The People Who Shape Our World'.

Social Networking Software

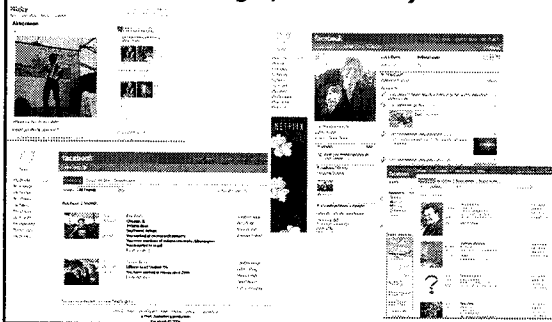
- Classmates: <http://www.classmates.com/>
- Facebook: <http://www.facebook.com/>
- Friendster: <http://www.friendster.com/>
- Friendzy: <http://www.friendzy.com/>
- MySpace: <http://www.myspace.com/>
- Orkut: <https://www.orkut.com/>
- Tribes: <http://www.tribe.net/>

SOCIAL SITES: DAILY VISITORS
MySpace - 29 million
Facebook - 15 million
Friendster - 5.9 million
Orkut - 9.6 million
Bebbo - 4.8 million

Source: ComScore July 2007



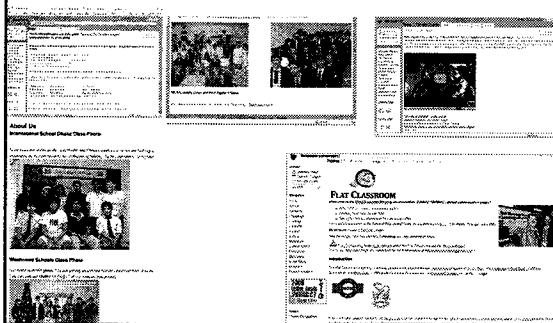
Facebook (from 2 friends to 50 seemingly overnight; now at 127)



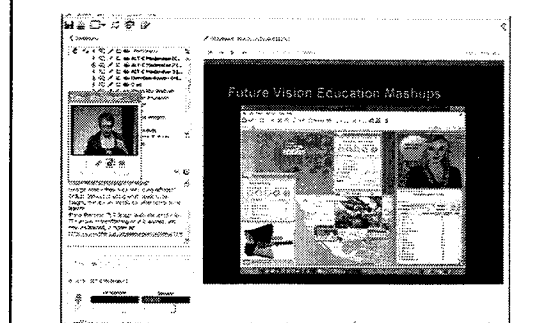
Time for Convergence!!!

Combining Web 2.0 and Other Online Technology Trends (Ten Examples)

1. Flat Schools and Flat Classroom Projects!!!



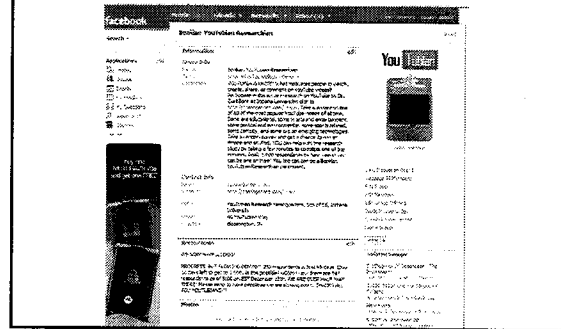
2. Michelle Selinger, ALT-C Keynote, September 2007, Univ of Nottingham



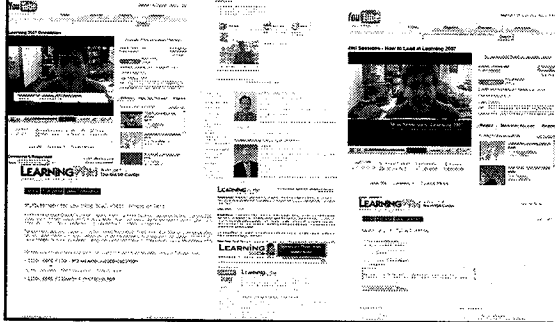
3. Wikis in Higher Education



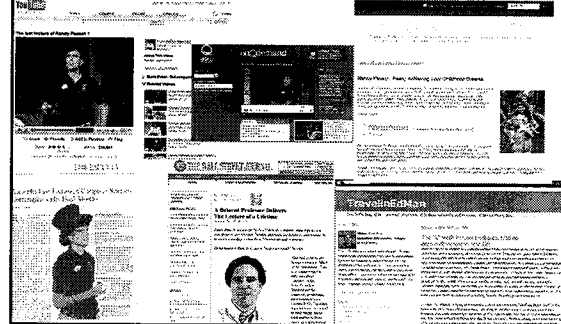
4. YouTube Research Group in Facebook



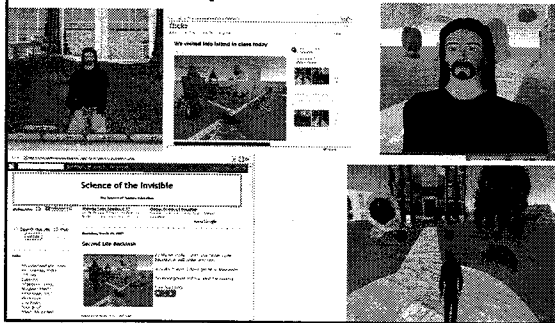
5. Elliott Masie, Learning conference October 2006 and 2007



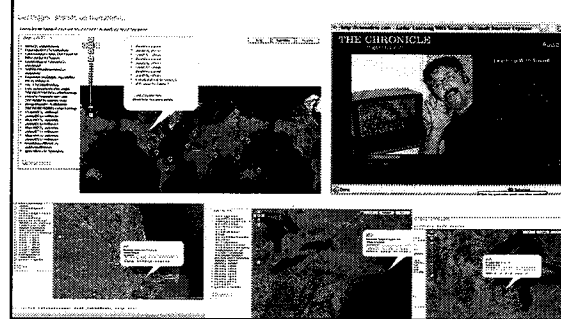
6. Archive Last Lectures (Randy Pausch, Carnegie Mellon University)



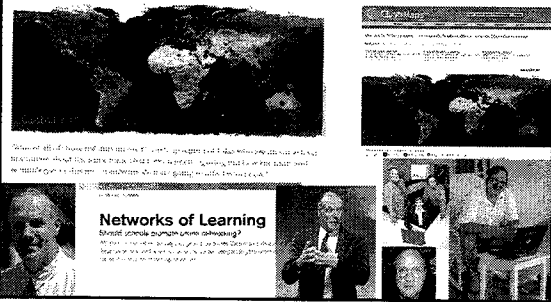
7. Combining The Web 2.0 (e.g., Second Life, Blogging, and Photo Posting) Stephen Mandelbrot



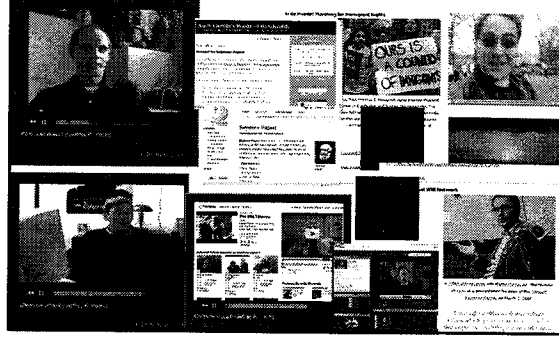
8. Indexing Sounds in Cities with Google Maps



9. Cluster Maps (who is reading your blog or using your product); Blog of Will Richardson, famous K-12 blogger (left) and Learning Theories Book of Michael Orey, Univ of Georgia (right)



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



Final Sharing Questions

- 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?

The End!!!

**Learning is Now Flat/Open...
Remember that WE-ALL-LEARN!**

Sample papers at: <http://www.publicationshare.com/>
Archived talks at: <http://www.trainingshare.com/>

