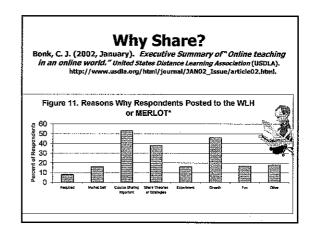


Effects of interactive multimedia in distance learning

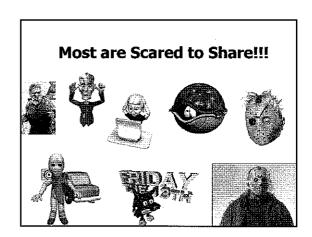
Giti Javidi and Ehsan Sheybani, 2004, In Proceedings of the IASTED International Conference WEB-BASED EDUCATION

"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."



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?

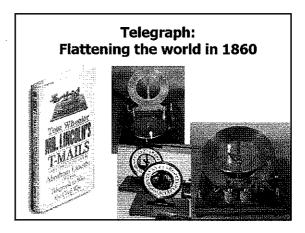


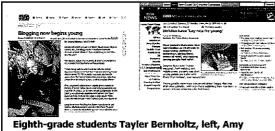


The Ten Forces that Flattened the World

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







Lostron and Kelsey Cardiff check out a weblog discussion related to the Civil War historical-fiction book 'Guerrilla Season' At South Valley Junior High School in Liberty, Mo. (Blogging now begins young USA Today, By Ashley Bleimes, USA TODAY, November 15, 2006, 12D). http://www.usatoday.com/life/2006-11-14-blogseducation x.htm

The Ten Forces that Flattened the Learning World



- Tools for Searching/Finding Media and Information Resources Availability of Quality Online and Blended Learning Environments

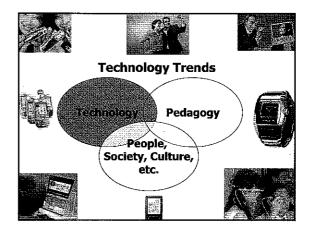
- Free and Open Source Software for Learning
 Open CourseWare (free content)
 Online Learning Object Repositories and Portals (shared content)
- content)
 Virtual Collaboration Software (synchronous and asynchronous)
 Online Massive Gaming, Simulations, and Virtual Worlds (e.g.,
 Second Life)
 Learning Mobility and Portability (low-cost mobile
 devices+wireless communication)
- Personalized Learning Tools (Blogs, Podcasts, MySpace, Flickr, and RSS)
- Open Information Communities (Wikipedia, Slashdot, Digg

Three Larger Trends



- 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.



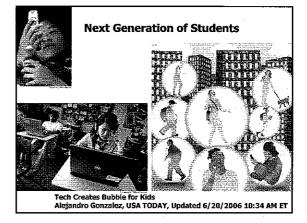


Who is demanding access to learning?









INFORMATION TECHNOLOGY





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

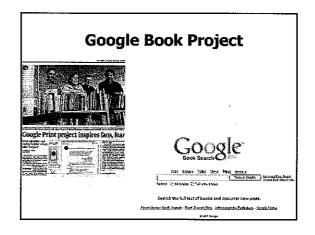
- Nick Currie and his girlfriend Shizu Yuasa (R) surf the internet over breakfast in Tokyo in this handout photo. As the Internet evolves with its webcams, iPods, Instant Messaging, broadband, wi-fi and weblogs its image as a relationship-wrecker is changing. Now a sociable habit is emerging among the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

Monday April 30, 2007, USA Today Top 25 Things that Shaped the Internet

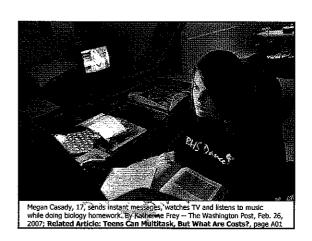
- 747 Million adults logged on in Jan, 2007
- 97 billion e-mails are sent each day
- Google had 500 million visitors in Dec, 2006
- USA: 1% broadband in 1998; 78% in 2007
- YouTube bought by Google for \$1.7 billion
- Adobe's Flash player on 98% of machines
- There are 75 million blogs!!!
- 19 million people play MMOG!
- 173 million personalized pages in MySpace

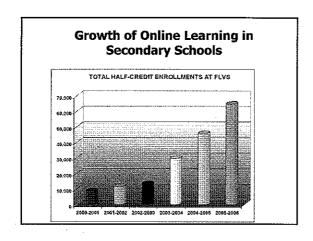
The Ten Forces that Flattened the World 1. Tools for Searching/Finding Media and Information Resources: (e.g., Google, Yahoo!)

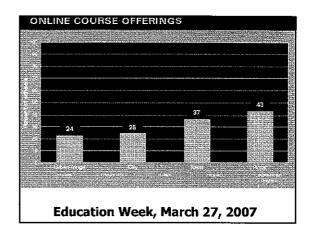






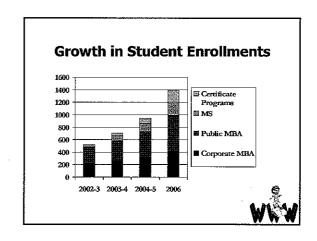


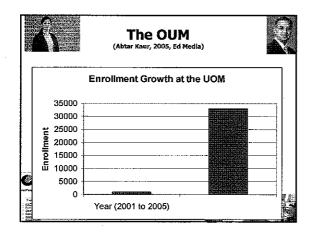


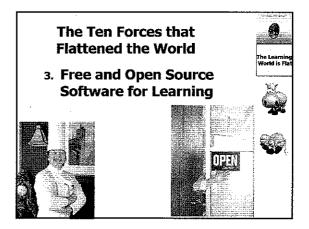


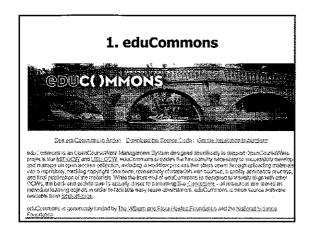


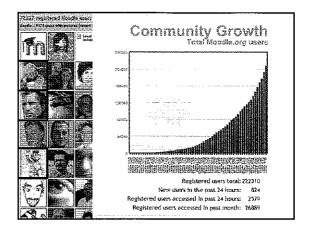
Heather Gatewood, 29, has both family and work responsibilities. She chose an online education to earn a bachelor's degree in general studies before working on a master's degree. The State Journal (Kentucky); By Derek Aaron; February 26, 2007

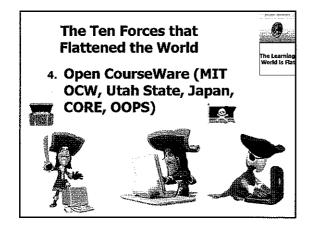


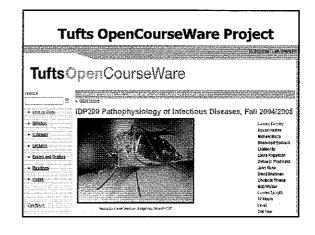


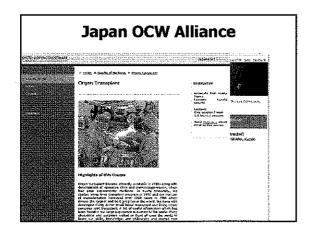


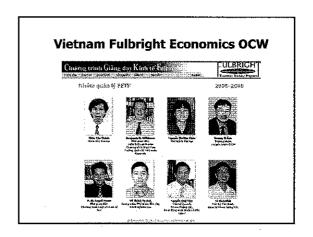




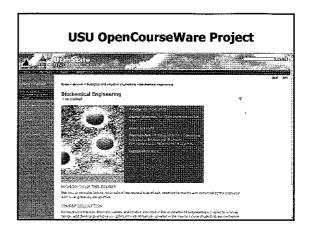












Open Source Courseware OPENDINGERS OF THE COURSE OF THE C

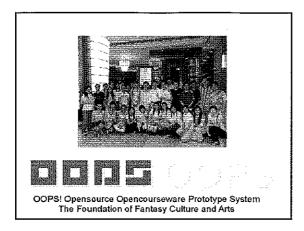
Per David Wiley, Utah State University (October 2005)

"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."

John Dehlin Utah State University

"If you think about the tangible, practical, human value some of these courses could have in the world, particularly the 3rd world....it can get quite exciting (to me at least)."

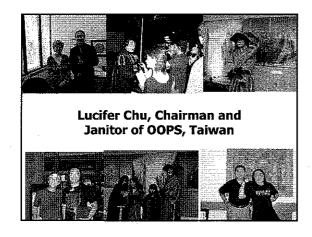


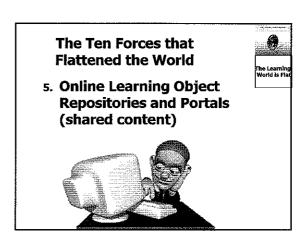


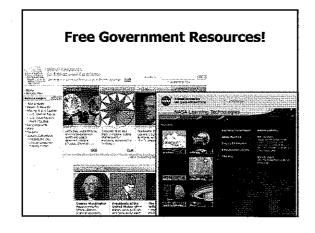
What's their Beliefs? (Chu, Jan 1, 2007)

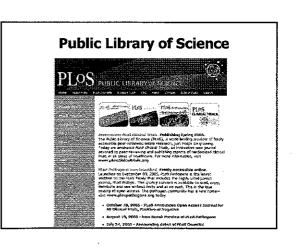
- Collective Minds is better than a single genius translator.
- Perfect Translation doesn't exist.
- 2,012 Volunteer translators
 1,125 courses adopted
 639 courses near completion
 (level 1)
- 126 courses already finished

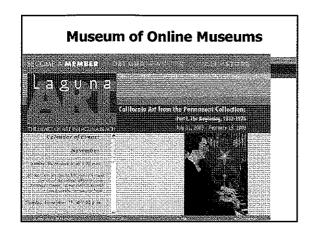










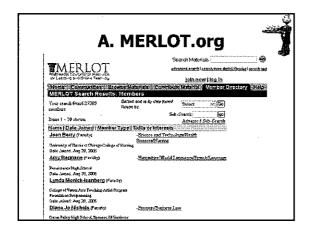


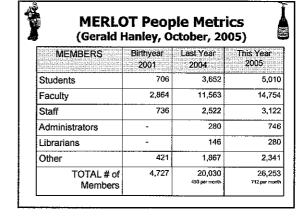
Trend 5, Part 2: Reusable Content Objects

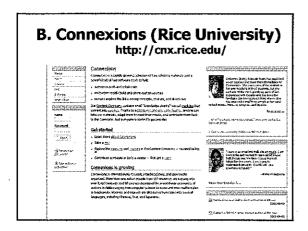
"Learning Objects are small or large resources that can be used to provide a learning experience. These assets can be lessons, video clips, images, or even people. The Learning Objects can represent tiny "chunks" of knowledge, or they can be whole courses."
Claude Ostyn, Click2Learn



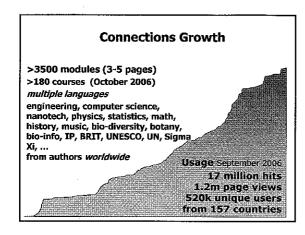


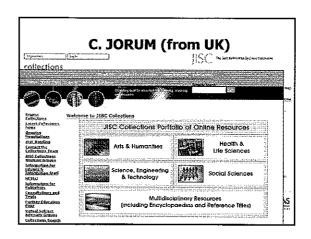


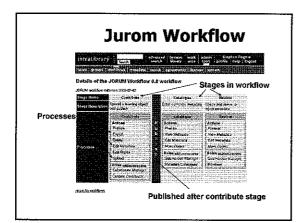




http://cnx.rice.edu:8080/stats
Sept 2005 had "14.4 million hits representing about 1 million page views by about 430,000 folks from 157 countries." growing at a rate of about 1 million hits per month.

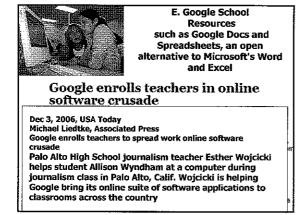


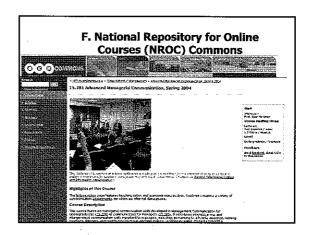




D. Global Education and Learning Community
(GELC)
(Kirkpatrick, Dec 22, 2006, CNN Money)

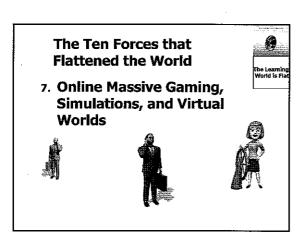
■ The Global Education and Learning Community (GELC) aims to bring the principles of open source to education. Scott McNealy, former CEO of Sun Microsystems, is working to create a free universal curriculum from Kindergarten to 12th grade in every major subject. Any educator/researcher can contribute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

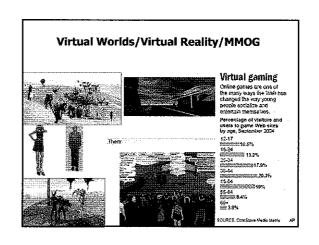


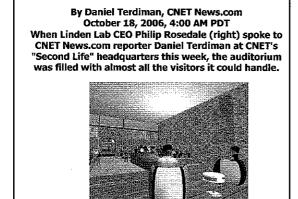


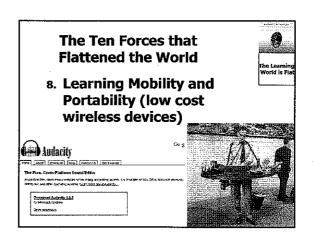


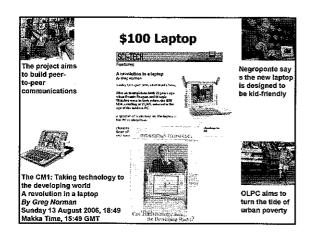


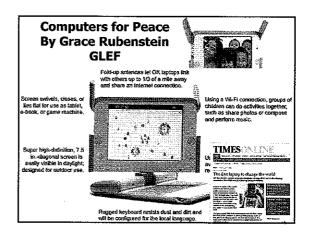






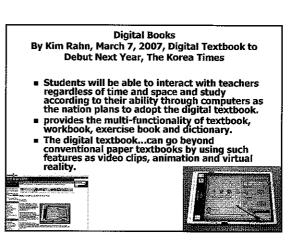




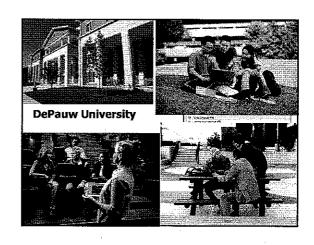


Computers for Peace By Grace Rubenstein GLEF

Drop a laptop computer into the hands of a child in a remote Chinese village, and Nicholas Negroponte predicts a cascade of results will unfold: The child will encounter new knowledge and ways to express herself through images, words, and sounds. She may help her parents find markets for their products in other cities via cheap satellite Internet -- or even develop a business plan herself. One family's growing prosperity will lift the village's fortunes and expand opportunities for their neighbors.







The Ten Forces that Flattened the World



 Personalized Learning Tools (Blogs, Podcasts, MySpace, Flickr, RSS, etc.)



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?











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 Learning with iPods (Campus Technology, Dec, 2006)



Georgia College & State University, The Department of Music and Theatre, which had foreign language speakers come in to do recordings that are helping the school's chorus. Learners singing in Korean, Portuguese, and many other languages," "Now we can listen to the diction, and make sure that we're pronouncing everything correctly."

Student Podcast

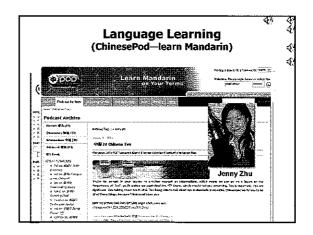
"Just the word 'podcast' scares a lot of teachers away," Ms. Schrock said. "There are a lot of misconceptions."

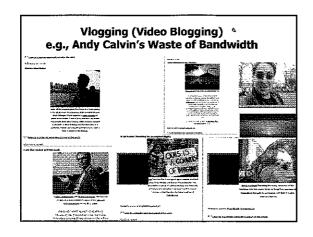
"All you need is a computer, access to the Internet and a microphone that you can buy at Toys 'R' Us," Mr. Warlick said. "I listen to podcasts on my computer." (NY Times, Jan 25, 2006)







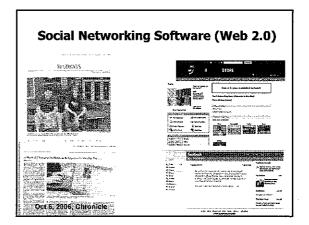


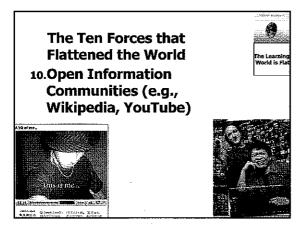


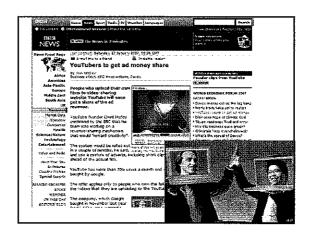


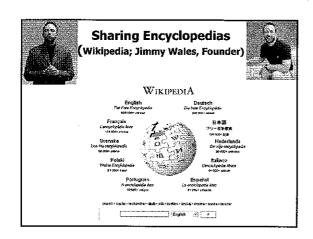
Social Networking Software

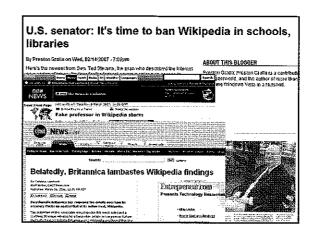
- Classmates: http://www.classmates.com/
- Facebook: http://www.facebook.com/
- Friendster: http://www.friendster.com/
- Friendzy: http://www.friendzy.com/
- MySpace: http://www.myspace.com/
- Orkut: https://www.orkut.com/
- Tribes: http://www.tribe.net/
- YouTube: http://www.youtube.com/

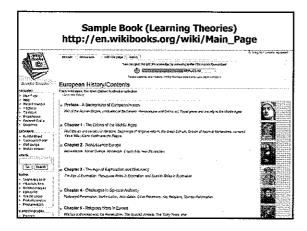




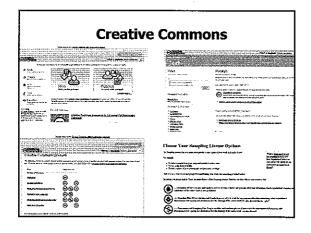








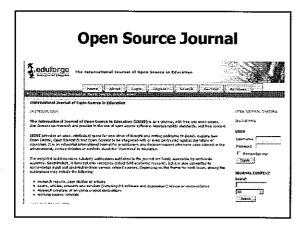
The Ten Forces that
Flattened the World
Other Open Educational
Resource Issues: Copyright,
Consortia, Knowledge
Brokers, Conferences,
Journals.



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/





Comparison of Sharing Sites:

MERLOT, Connexions, CAREO, OCW, CORE, OOPS Grace Lin, Univ of Houston, 2005

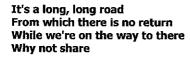
- Goals: Link people, share knowledge, access resources, searchable database
- Funding: fully, partial, none
- Audience: higher education, students, teachers
- Content contributors: faculty, volunteers

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?

Quote Continued...

A Final Quote:
It's a long, long road...
With many a winding turn.
That leads us to who knows where?..



(The Hollies, 1969; He Ain't Heavy, He's My Brother; B. Scott - B. Russell)





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.

