






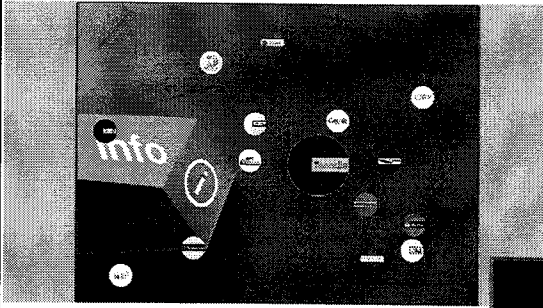
## How the Learning World Became Flat: Ten Knowledge Sharing and Technology Trends Equalizing Access to Learning



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

<http://ella.slis.indiana.edu/~aenkim/iconping.html>



### 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."**

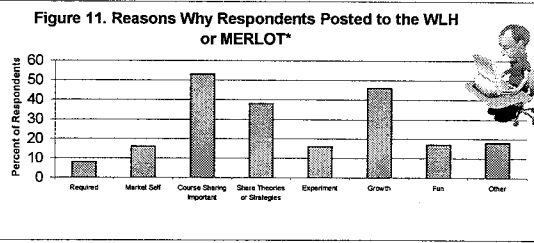
### Do You Share?

1. Who has shared music in an iPod or MP3?
2. Who has used collab software? (FirstClass, 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?

### Why Share?

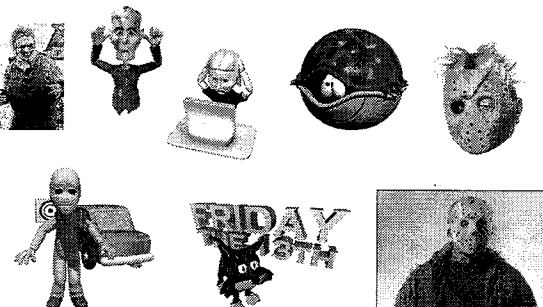
Bonk, C. J. (2002, January). *Executive Summary of "Online teaching in an online world."* United States Distance Learning Association (USDLA).  
[http://www.usdla.org/html/journal/JAN02\\_Issue/article02.html](http://www.usdla.org/html/journal/JAN02_Issue/article02.html)

Figure 11. Reasons Why Respondents Posted to the WLH or MERLOT\*

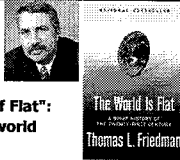
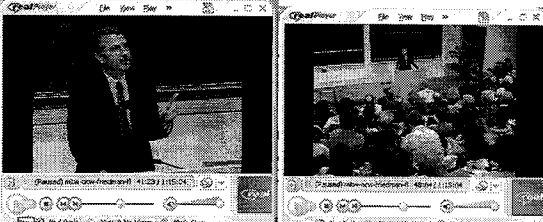


Reason	Percent of Respondents
Required	~10
Market Self	~15
Course Sharing/Innovate	~55
Share theories or strategies	~35
Experiment	~15
Growth	~45
Fun	~15
Other	~15

### Most are Scared to Share!!!



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

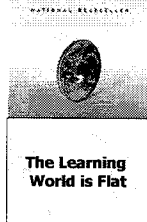
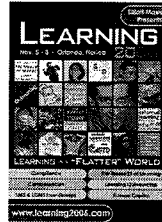



## The Ten Forces that Flattened the World

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)

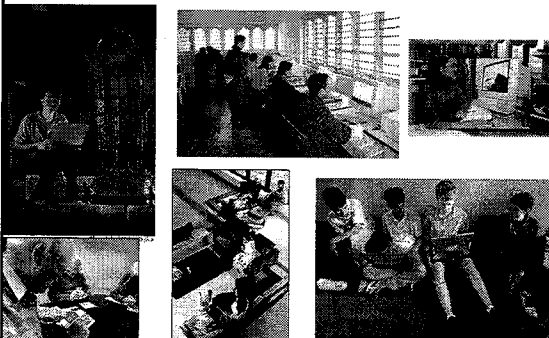


## The Learning World has become Flat!

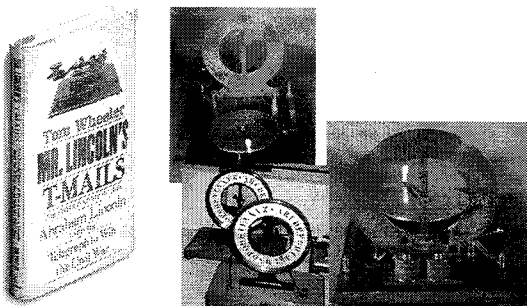



www.learning2005.com

## The learning world is flat for who?



## Telegraph: Flattening the world in 1860




**Eighth-grade students Tayler Bernholtz, left, Amy 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-blogs-education\\_x.htm](http://www.usatoday.com/life/2006-11-14-blogs-education_x.htm)**

Education

## Students, officials locking horns over blogs




What is posted from home brings punishment at school



High school students in the U.S. are being punished for posting inappropriate content on their school's website, according to a new report from the American Civil Liberties Union. The report says that schools are punishing students for posting content on their school's website that is not on their school's computer network. This includes posting content on their home computers that is accessible to the school's website. The report says that schools are punishing students for posting content on their school's website that is not on their school's computer network. This includes posting content on their home computers that is accessible to the school's website.

## iPod's More Popular than Beer?


iPods knock over beer mugs

Apple's iPod is more popular than beer, according to a new report from the American Civil Liberties Union. The report says that iPods are more popular than beer among young adults. This is because iPods are more portable and easier to use than beer. The report also says that iPods are more popular than beer because they are more affordable. The report says that iPods are more popular than beer because they are more affordable.

Category	Apple	Beer
MP3 Downloads	30%	27%
MP3 Sales	27%	27%
MP3 Downloads	28%	27%
MP3 Sales	28%	27%
MP3 Downloads	28%	27%
MP3 Sales	28%	27%

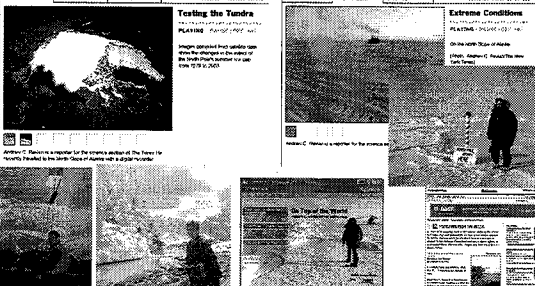
## Entice Students with Technology Giveaways



**Gateway M275 tablet PC, Winona 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 7130 PDA, University of Maryland**  
The school has begun handing out the wireless personal digital assistants to tutors and more than 100 African graduate students in the Small School of Excellence.

## New York Times reporter Andrew Revkin continues doing compelling multimedia work.




Andrew C. Revkin is a reporter for The New York Times for nearly 10 years. He is a multimedia reporter who has covered a wide range of topics, including climate change, energy, and the environment. He has won several awards for his work, including the Pulitzer Prize for Public Service in 2007. He is currently working on a multimedia report about the impact of climate change on the world's oceans.

## The Ten Forces that Flattened the Learning World

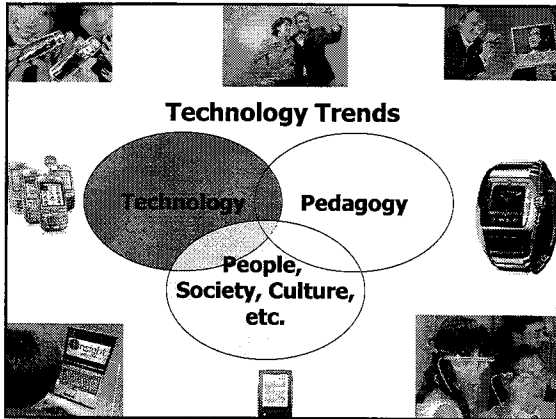


- Tools for Searching/Finding Media and Information Resources
- Availability of Quality Online and Blended Learning Environments
- Free and Open Source Software for Learning
- Open CourseWare (free content)
- Online Learning Object Repositories and Portals (shared content)
- Virtual Collaboration Software (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 online tools and infrastructure for learning (e.g., search\_).
- 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.



**Next Generation of Students**

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

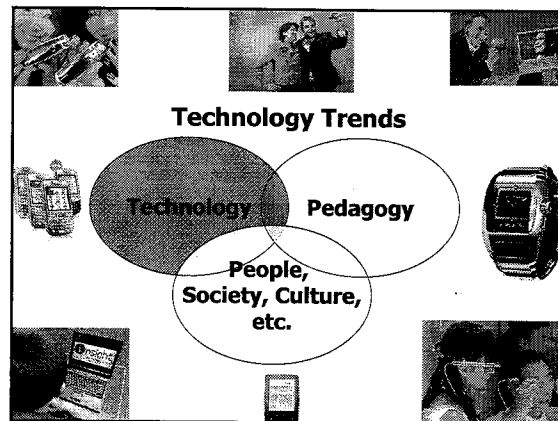


**Yahoo News**  
Love me, love my blog," as Netorati couple-surf  
BY SARA LEDWITH Thu Aug 3, 8:30 AM ET

- 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.

**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

The Learning World is Flat

## 1. Tools for Searching/Finding Media and Information Resources: (e.g., Google, Yahoo!)

# Google and Other Search Engines (Sergey Brin, Co-Founder)

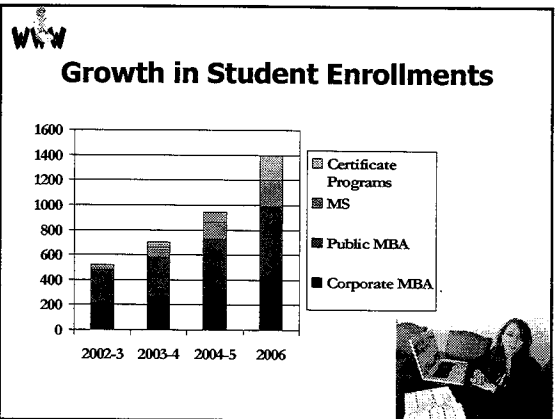
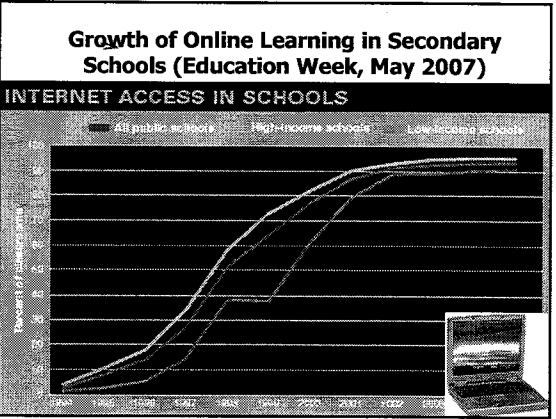
# Search for Free Books (e.g., Google Book Project)

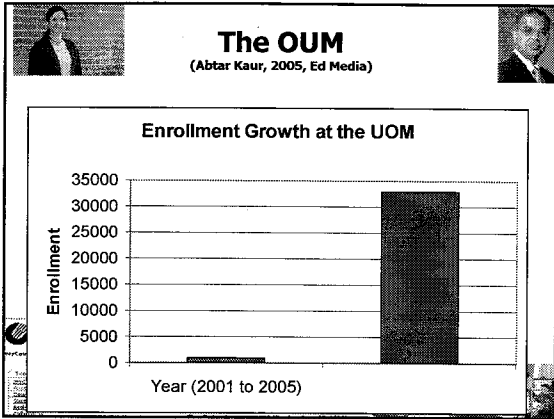
The complete plays of Shakespeare. Now at your fingertips.

Google Book Search is a project to make a large number of books available for free online. It is a project to make a large number of books available for free online. It is a project to make a large number of books available for free online.

# The Ten Forces that Flattened the World

The Learning World is Flat2. The Availability of Quality Online and Blended Learning Environments





## The Ten Forces that Flattened the World

### 3. Free and Open Source Software for Learning

## 1. eduCommons

Start Your Commons in Action • Download the Source Code • Get the Installation Instructions

eduCommons is an OpenCourseWare Management System designed specifically to support OpenCourseWare projects like MIT OCW and Utah OCW. eduCommons provides the functionality necessary to successfully develop and manage an open access collection. Including a workflow process that starts users through uploading materials into a repository, building content, creating, reassembly of materials into courses, a timely important to publish, and final publications of the material. While the front end of eduCommons is designed to visually align with other OCW, the back end architecture is actually closer to something like Moodle - all resources are stored as individual learning objects in order to facilitate easy reuse content. eduCommons is open source software available from SourceForge.

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

## moodle

Welcomes to Moodle!

Moodle is a free web management system (LMS) - a free, open package designed using some pedagogical principles, to be effective online learning environments. You can download a complete copy from Moodle (moodle.org), or to use Moodle also to a 30,000+ users university. This site may be useful, so check out the Moodle Documentation Courses at Moodle Community.

Moodle has a large and diverse user community with over 2 million sites active, covering over 100 languages in 175 countries (including 100+). The best place to start is using Moodle, or Moodle documentation are held in English, but we have a discussion other topics and in other languages.

Moodle Development

We have a large list of developers who contribute towards it. Moodle, start with our developer information as well as the source code. Don't forget to check our source code, start using Moodle, but we also have a teacher - where you can find feature requests, bug and other issues. Submit your patches to the Moodle developer site, so we can deal with the Moodle Downloads.

moodle.com

## The Ten Forces that Flattened the World

### 4. Open CourseWare (MIT OCW, Utah State, Japan, CORE, OOPS)

The Learning World is Flat

## Tufts OpenCourseWare Project

2007-2008 COURSEWARE

222.1-29.01 International Nutrition

Staff: Professor: Fresh West and Hand Chiswick

Originally offered: Spring 2005

Feedback: Send feedback about OCW or this course.

Prevent major nutritional problems that influence the health, survival, and

## Vietnam Fulbright Economics OCW

The screenshot shows a website for the Vietnam Fulbright Economics OpenCourseWare project. It includes a header with the title, a navigation menu, and a main content area with text and several small portrait photos of individuals.

## USU OpenCourseWare Project

The screenshot shows the Utah State University OpenCourseWare Project website. It features a header with the title, a navigation menu, and a main content area with text and a large image of a globe.

**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.”**

## Open Source Courseware

The screenshot shows the Open Source Courseware website. It features a header with the title, a navigation menu, and a main content area with text and a large image of a globe.

## CORE (China Open Resources for Education), OCW Mirror Site, China

The screenshot shows the CORE (China Open Resources for Education) website. It features a header with the title, a navigation menu, and a main content area with text and several small portrait photos of individuals.

## The Biggest OCW Localization Volunteer Group in the World

**OOPS! Opensource Opencourseware Prototype System  
The Foundation of Fantasy Culture and Arts**

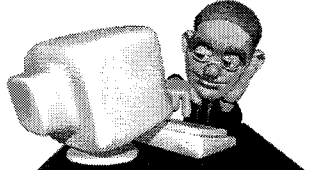


**"Collective Minds is better than a single genius translator....Perfect Translation doesn't exist."**  
**Lucifer Chu, Chairman and Janitor of OOPS, Taiwan**  
**Coordinates over 2,000 Volunteer translators**



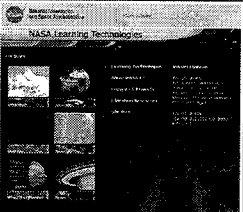
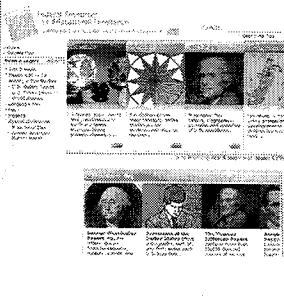
## The Ten Forces that Flattened the World

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

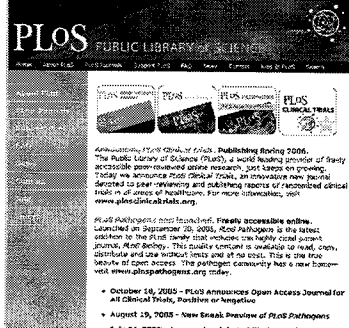


The Learning World is Flat

### Trend 5, Part 2: Portals: Free Government Resources!

### Public Library of Science



**PLOS** PUBLIC LIBRARY OF SCIENCE

Announcing PLOS ONE, Publishing Starting 2006. The Public Library of Science (PLOS), a world leading provider of freely accessible peer-reviewed science research, just takes one more step. Today we announce PLOS Clinical Trials, an innovative new journal devoted to peer reviewing and publishing reports of randomized clinical trials in all areas of healthcare. For more information, visit [www.plosclinicaltrials.org](http://www.plosclinicaltrials.org).

PLOS Pathogens first featured. Freely accessible online, launched on September 20, 2005, PLOS Pathogens is the latest addition to the PLOS family that makes the highly cited journal journals more freely. This journal content is available to read, copy, distribute and use without fees and at no cost. This is the true benefit of open access. The pathogen community has a new home - visit [www.plospathogens.org](http://www.plospathogens.org) today.

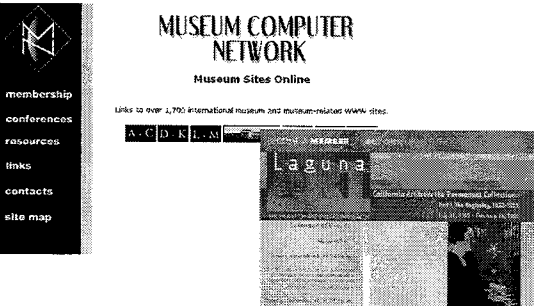
- October 18, 2005 - PLOS Announces Open Access Journal for All Clinical Trials, Positive or Negative
- August 19, 2005 - New Email Preview of PLOS Pathogens
- July 24, 2005 - Announcing debut of PLOS Currents

### Museum of Online Museums

**MUSEUM COMPUTER NETWORK**  
 Museum Sites Online

Links to over 1,700 international museum and museum-related WWW sites.

A C D K L N






membership  
 conferences  
 resources  
 links  
 contacts  
 site map

### 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*



## A. MERLOT.org



**Search Materials**

Advanced search search results search history search help

[Join now](#) | [Log in](#)

[Home](#) | [Contact Us](#) | [Browse Materials](#) | [Get Materials](#) | [Member Directory](#) | [Help](#)

**Browse Materials by Subject**

Click on the ► symbol to see sub-categories. Click on the category name to see items in that category.

Browse Path: All


- [All \(449\)](#)
- [Business \(236\)](#)
- [Education \(180\)](#)
- [Humanities \(206\)](#)
- [Mathematics and Statistics \(101\)](#)
- [Science and Technology \(50\)](#)
- [Social Sciences \(52\)](#)

**Browse By Subject Area:**



To browse materials by subject, click the desired subject above. Categories with subcategories will have a triangle next to them. Clicking on this triangle will refresh the page with the subcategories. Clicking on the category links will display the materials in that subject category in place of this list. To combine browsing, additional materials, click on the page numbers at the bottom of the list. The numbers in parentheses indicate the approximate number of materials in each subject category. [More Help?](#)

**Request New Subject Category | View Subject Index**

[Home](#) | [Contact Us](#) | [Browse Materials](#) | [Get Materials](#) | [Member Directory](#) | [Help](#)



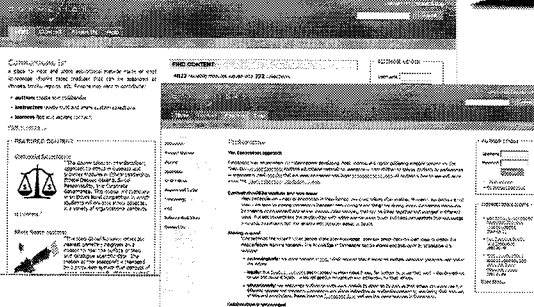
## MERLOT People Metrics (Gerald Hanley, October, 2005)





MEMBERS	Birthyear 2001	Last Year 2004	This Year 2005
Students	706	3,652	5,010
Faculty	2,864	11,563	14,754
Staff	736	2,522	3,122
Administrators	-	280	746
Librarians	-	146	280
Other	421	1,867	2,341
<b>TOTAL # of Members</b>	<b>4,727</b>	<b>20,030</b> 453 per month	<b>26,253</b> 712 per month

## B. Connexions (Rice University)

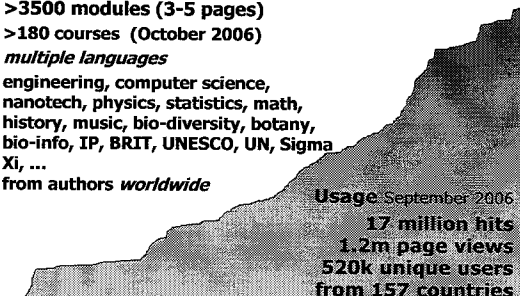
<http://cnx.rice.edu/>; *Richard G. Baraniuk*





## Connections Growth

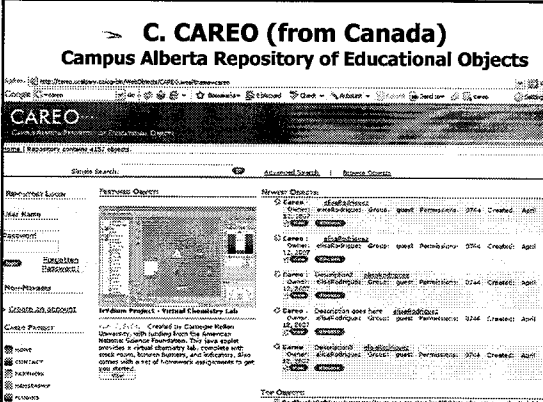
**>3500 modules (3-5 pages)**  
**>180 courses (October 2006)**  
*multiple languages*  
**engineering, computer science, nanotech, physics, statistics, math, history, music, bio-diversity, botany, bio-info, IP, BRIT, UNESCO, UN, Sigma Xi, ...**  
*from authors worldwide*



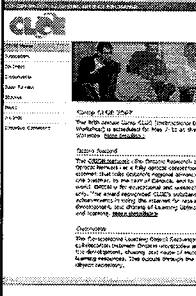
**Usage September 2006**  
**17 million hits**  
**1.2m page views**  
**520k unique users**  
**from 157 countries**

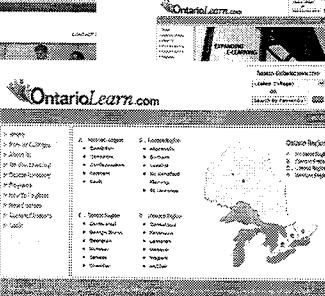
## C. CAREO (from Canada)

### Campus Alberta Repository of Educational Objects



## Co-operative Learning Object Exchange (CLOE) and OntarioLearn





### D. JORUM (from UK)

### Jurom Workflow

### E. Curriki (from 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 12<sup>th</sup> grade in every major subject. Any educator/researcher can contribute and it will be in any language.

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

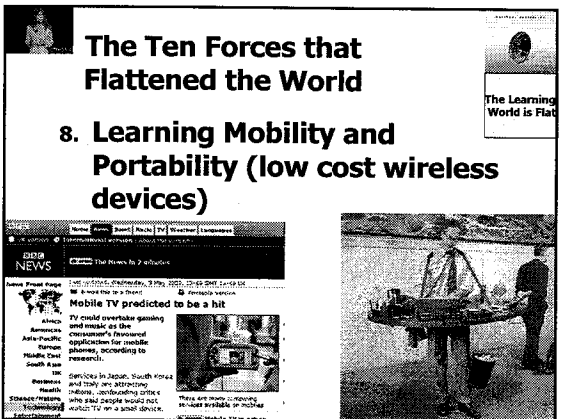
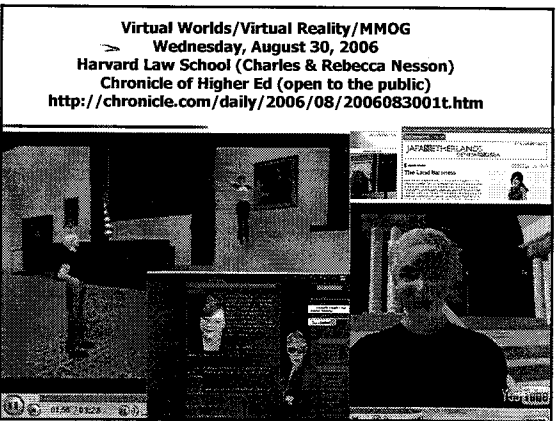
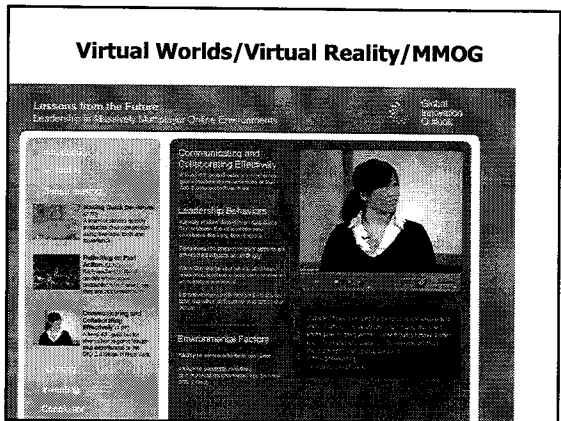
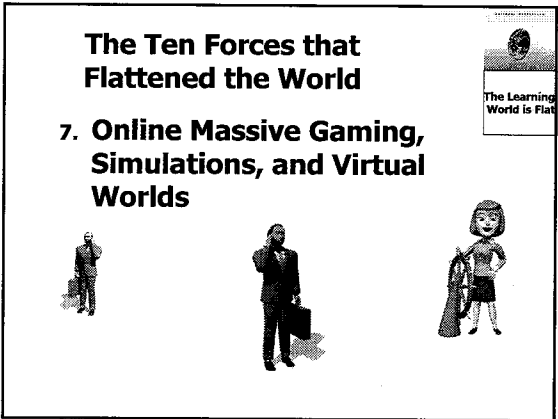
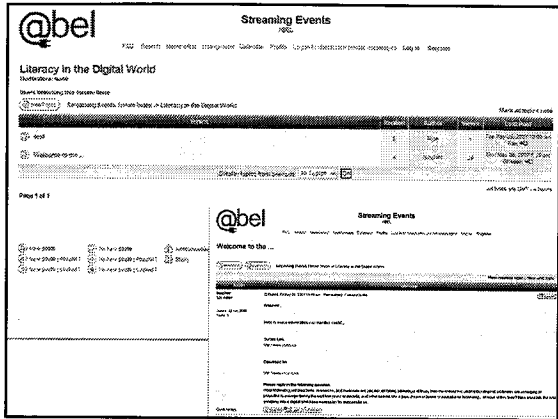
#### Google enrolls teachers in online software crusade

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

### G. National Repository for Online Courses (NROC) Commons

### The Ten Forces that Flattened the World

#### 6. Virtual Collaboration Software (async and sync)



## 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

The project aims to build peer-to-peer communications

Negroponte 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

### SCIENCE TECH

A revolution in a laptop as Greg Norman

After an hour-long talk with the 27-year-old

They are now in their 20s, the \$100 laptop, resulting in a PC that is the size of the average PC.

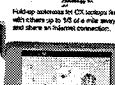
A quarter of a century on the legacy of the PC is obsolete

Changes that will be made to the laptop

Super high-definition, 7.5 in.-diagonal screen is easily visible in sunlight designed for outdoor use

Screen includes camera, or key pad for use as tablet, mouse, or game controller.

Using a Wi-Fi connection, groups of children can do activities together, such as share photos or complete and perform music.



Stores 2 weeks of power; 170mAh average battery; manually rechargeable.

Support keyboard, mouse, and other devices for the qualified for the long haul.

## Digital Books By Kim Rahn, March 7, 2007, Digital Textbook to

Teachers  
Computers as  
Textbook.

Digital Textbook to Debut

The Ministry of Education and the National Curriculum Centre have announced that they will be launching a digital textbook for Singapore's primary schools.

The digital textbook is a single platform which will contain all the content of the current textbook, but in a digital format. It will be available to all primary schools in Singapore.

## Wireless Technology

Always online -- and always tall  
When three days without a word is an eternity

Generation raised on Internet comes of age  
Online technology considered a natural part of life

Christina Rahn had been trying to reach her friend for three days. Her phone rang, she wasn't answering. It was her friend.

The Associated Press  
Updated: 9:02 pm CT Dec. 11, 2004

CBCnews CANADA | EDMONTON

Text-message course helping newcomers learn English

A pen and paper aren't necessary in an Edmonton classroom where students are learning English with a new tool — text messages on their cellphones.

Paritand teachers on office

## The Ten Forces that Flattened the World

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

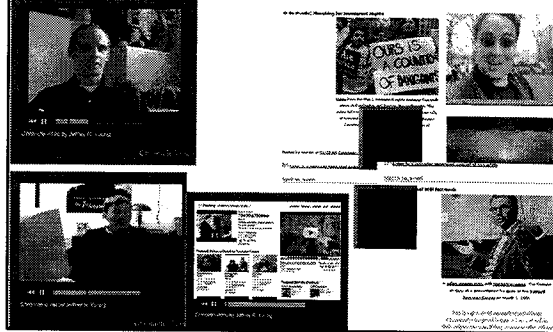


The Learning World is Flat

## 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?

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



## 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?



## Podcast

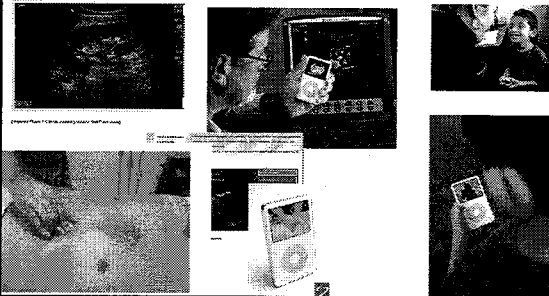
Learning TRENDS by Elliott Masie - September 18, 2006.  
#402 - Updates on Learning, Business & Technology.  
52,889 Readers - <http://www.masie.com> - The MASIE Center.

**Fingertip Knowledge Podcast & Transcript:** One of my focus points these days is Fingertip Knowledge. You and I and most of our colleagues are increasingly using search engines, from Google to Corporate Intranets, to "walk" our way to the information or knowledge that we need.

**Podcast (and Transcript) about the implications of Fingertip Knowledge and the Learning Field:**

- <http://www.learning2006.com/university/>  
(Duration: 20 Minutes)

## Vodcast for Medical Training and Learning Vocabulary Words!



## 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)



## Language Learning (ChinesePod—learn Mandarin)

Learn Mandarin on Your Terms

Podcast Archive

Chinese Tea 中国茶

ChinesePod.com

Jenny Zhu

## Online Photos, e.g., FLICKR (Inc. Magazine, December 2006)

TIME

TIME 60: The People Who Shape Our World

The Flickr Founders

## 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 10. Open Information Communities (e.g., Wikipedia, YouTube)

the Learning World is Flat

## Sharing Encyclopedias (Wikipedia; Jimmy Wales, Founder)

WIKIPEDIA

English The Free Encyclopedia 2,900,000+ articles

Deutsch Die freie Enzyklopädie 290.000+ Artikel

Français L'encyclopédie libre 291.000+ articles

日本語 フリー百科事典 290,000+ 記事

Svenska Den fria encyklopedin 291.000+ artiklar

Nederlands De vrije encyclopedie 291.000+ artikelen

Polski Włóżka Encyklopedia 291.000+ artykułów

Italiano L'enciclopedia libera 291.000+ articoli

Português A enciclopédia livre 291.000+ artigos

Español La enciclopedia libre 291.000+ artículos

search:

## 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?

**Sample Book (Learning Theories)**  
[http://en.wikibooks.org/wiki/Main\\_Page](http://en.wikibooks.org/wiki/Main_Page)

**European History/Contents**

From Wikibooks, the open-source textbooks collection

**Preface - A Background of European History**  
 Fall of the Roman Empire, unification of Barbarians, Christianity and Catholicism, feudalism and serfdom in the Middle Ages...

**Chapter 1 - The Crusades of the Middle Ages**  
 Muslims and the Crusades, Byzantine Empire, Seljuk Turks, the Great Schism, Order of Hospital Knights, Richard the Lionheart, Saladin, the Battle of Hattin, the Fall of Jerusalem...

**Chapter 2 - Renaissance Europe**  
 Renaissance, Martin Luther, Protestant Reformation, Catholic Reformation, the Scientific Revolution...

**Chapter 3 - The Age of Exploration and Discovery**  
 The Age of Discovery, Portuguese Empire in Africa, India, and the East Indies, Spanish Colonies in the Americas...

**Chapter 4 - Challenges to Spiritual Authority**  
 Protestant Reformation: Martin Luther, John Calvin, Ulrich Zwingli, Henry VIII, Catholic Reformation: Council of Trent...

**Chapter 5 - Religious Wars in Europe**  
 Strife and Conflict from the Reformation: The Spanish Armada, The Thirty Years War...

**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/](http://cde.athabascau.ca/online_book/)

**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?...**

**It's a long, long road  
 From which there is no return  
 While we're on the way to there  
 Why not share**

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

**It's Over...**

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

**A. Yes  
 B. No  
 C. Not sure**

**BONK!**

Your greatest misadventure...  
 maximum damage is double that of your best...  
 There's always a...

**Sorry...it really is the end!!!**

**The World Really is Flat**