

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

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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?

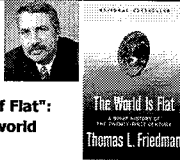
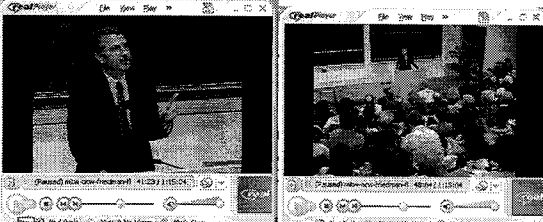
Bonk, C. J. (2002, January). *Executive Summary of "Online teaching in an online world."* United States Distance Learning Association (USDLA).
http://www.usdla.org/html/journal/JAN02_Issue/article02.html

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/>

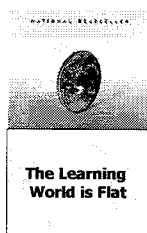
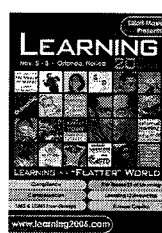



The Ten Forces that Flattened the World

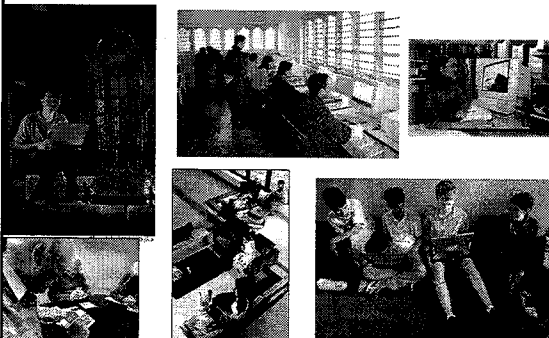
1. 11/9/89: Berlin Wall came down
2. 8/9/95: Netscape went public
3. Work Flow Software (e.g., PayPal and eBay)
4. Open-Sourcing (Self organizing collaborative communities; Mosaic, Apache, Wikipedia, Linux, Mozilla/Firefox,)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (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)



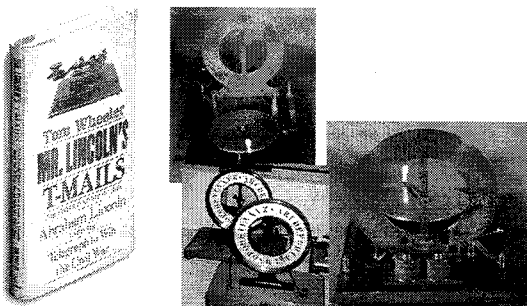
The Learning World has become Flat!

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

Education

Students, officials locking horns over blogs

What is posted from home brings punishment at school



High school students in the U.S. are increasingly turning to the Internet to post their thoughts, feelings and opinions. But some schools are punishing students for what they post from home. In some cases, students are being suspended or even expelled for posting offensive or inappropriate content on their school's website or blog.


At a recent meeting of the National Education Association, officials from several states reported that they had received complaints from parents and students about school policies that restrict access to the Internet. Some schools have blocked access to social networking sites like MySpace and Facebook, and some have banned students from using their school's computers to access these sites.

But many educators and parents are concerned that these policies are too restrictive. They argue that students have a right to access the Internet for educational purposes, and that schools should focus on teaching students how to use the Internet responsibly rather than restricting their access.

The issue is still being debated, and many schools are trying to find a balance between protecting students and providing them with the tools they need to succeed in the 21st century.

iPod's More Popular than Beer?

iPods knock over beer mugs



Apple's iPod is more popular than beer, according to a new survey. The survey found that 72% of respondents own an iPod, while only 68% own a beer mug. This shows that iPods are more popular than beer mugs.


The survey also found that iPods are more popular than beer among young adults. 78% of young adults own an iPod, while only 62% own a beer mug. This suggests that young adults are more likely to own an iPod than a beer mug.

Apple's iPod is a portable music player that has become a popular choice for many people. It is easy to use, has a long battery life, and offers a wide selection of music. These features have made it a popular choice for many people, including young adults.

Beer mugs, on the other hand, are not as popular. They are often used as gifts or for promotional purposes, but they are not as widely owned as iPods. This is likely because iPods are more useful and practical than beer mugs.

NEWS


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 200 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 20 years. He is known for his compelling multimedia work, which includes video, audio, and interactive graphics. His work has been featured in various media outlets, including the New York Times, NPR, and PBS.


Revkin's multimedia work is often focused on environmental issues and science. He has produced several award-winning pieces, including a video about the impact of climate change and a photo gallery about the effects of global warming. His work is highly engaging and informative, and it has helped to bring important issues to the attention of a wide audience.

The Ten Forces that Flattened the Learning World

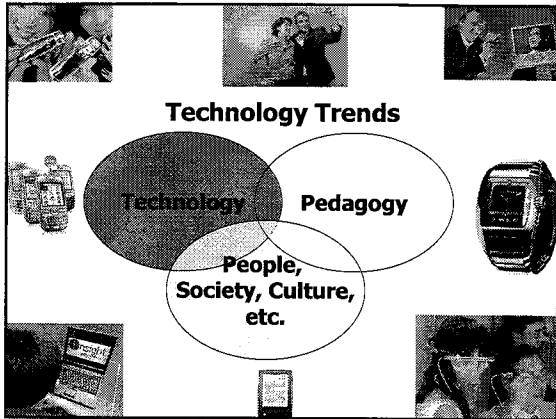


1. Tools for Searching/Finding Media and Information Resources
2. Availability of Quality Online and Blended Learning Environments
3. Free and Open Source Software for Learning
4. Open CourseWare (free content)
5. Online Learning Object Repositories and Portals (shared content)
6. Virtual Collaboration Software (synchronous and asynchronous)
7. Online Massive Gaming, Simulations, and Virtual Worlds (e.g., Second Life)
8. Learning Mobility and Portability (low-cost mobile devices+wireless communication)
9. Personalized Learning Tools (Blogs, Podcasts, MySpace, Flickr, and RSS)
10. 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

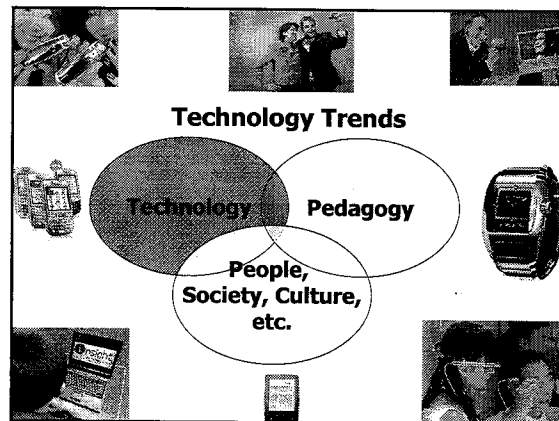


Yahoo News
Love me, love my blog," as Netorati couple-surf
BY SARA LEDWITH Thu Aug 3, 8:30 AM ET

- 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.

Public

Search the full text of books and discover new ones.

The Ten Forces that Flattened the World

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

