The Flat World Swung Open: Now WE-ALL-LEARN with Web Technology
Curtis J. Bonk, Professor, Indiana University
President, SurveyShare
cjbonk@indiana.edu
http://php.indiana.edu/~cjbonk

Have you read or listened to Thomas Friedman's book, The World Is Flat.
- Yes, more than once.
- Yes, once, most or all of it.
- Yes, I read parts of it.
- No, but I flipped through the pages.
- No, but I plan to someday.
- No and I do not plan to.

The Ten Forces that Flattened the World
Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.
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 communities; Mosaic, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (20K)
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 (wireless, file sharing, VoIP, video camera in phone)

Michael Perham and Zac Sunderland (both age 17), youngest person to sail solo around the world...and blog on it, use Skype, YouTube, take videos, post pictures

UCLA blogs to offer front-row seat at archaeology digs
By Naa Sullivan, 6/25/2008
WE-ALL-LEARN:
Ten Forces that Opened the Learning World
- Web Searching in the World of e-Books (i.e., Darwin)
- 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 (screencasts)
- 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)

Audience Participation!
1. WE
2. ALL
3. LEARN!!!

Triple Learning Technology
Convergence of "WE-ALL-LEARN"
2. Pages: The availability of free educational content and resources (OER—Open Educational Resources).
3. Participatory Learning Culture: A move towards a culture of open access to information, international collaboration, and global sharing.

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

Trend #1. Web Searching in the World of e-Books. What happens then?
WE
ALL
LEARN!!!

This Could Be the Year of e-Textbooks
Many titles are available, but students are wary.
Jeffrey Young, September 7, 2009

Sign of the times: At the San Diego State U. bookstore, a poster exhorts students to "Buy This Textbook as an eTextbook."
Opener #3. Availability of Open Source and Free Software (e.g., Linux, Apache, Moodle, Sakai)

Moodle (620,000 registered users in 204 countries speaking 78 languages, 3/10/2009)

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

Open Educational Resources (OER)
Post Courses in YouTube and iTunes (e.g., Berkeley)
Cape Town Open Education Declaration, Dec 2007
http://www.capetowndeclaration.org/

Peer2Peer University and University of the People (free!)
Neena Paharia is behind Peer2Peer University, Fast Company, September 2009, How Web-Savvy Indigenes Are Transforming American Higher Education

Opener #5. Online Learning Object Repositories and Portals (shared content)
From left, three views of a fragment of one of the Dead Sea Scrolls: a plain digital image, a color scan and an infrared scan. August 27, 2006, Israel to Display the Dead Sea Scrolls on the Internet. By ETHAN BRONNER, The New York Times

Tracking Live Internet Thawing: A Colossal of an Idea
Deep-Sea Squid
Captain John Bennett examines the world’s first intact adult male colossal squid on board his New Zealand fishing boat in February, 2007, in the Ross Sea near Antarctica. The gigantic sea creature weighs a world-record 3,089 pounds. After being frozen whole for over a year, scientists at New Zealand’s national museum will thaw the squid for further study.

Ida (a transitional species)
47-Million-Year-Old Darwinius Masillae Fossil the Missing Link? (wwwOwow, May 20, 2009)

The Complete Works of Charles Darwin and Shakespeare
Referatory: MERLOT.org
(67,000 members, 21,000 learning materials, 2/10/2009)

Connections Growth, January 2009
>8,000 modules (3-5 pages)
>425 collections (books and courses)
multiple languages
engineering, computer science, nanotech, physics, statistics, math,
history, music, bio-diversity, botany,
bio-info, IF, BRT, UNESCO, IN, Sigma XI, ...
from authors worldwide

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

Wikis: Wikipedia and Wikibooks
Experience with YouTube:
- I have watched YouTube Videos.
- I have watched and shared YouTube videos.
- I have watched, shared, and commented on YouTube videos.
- I have watched, shared, and created YouTube videos.
- None of the above.

Fora TV, Link TV, UStream

Posting Documents on Web

Opener #7. Electronic Collaboration and Interaction (synchronous & asynchronous)

Flat Classroom Projects!!! (combine blogs, videoconferencing, chat, async discussion, etc.)
Iran after the June Election

Voxopop (audio threaded conversations)
http://www.voxopop.com/

What if your children could interact with explorers in Antarctica?

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
Do you own an iPhone?
- Yes
- No, but I own an iTouch
- No, but I own an iPod
- No, but I own an iTouch and an iPod
- No, I own none of the above.

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

Pull yourself away from that iPhone and read this story
By Mary Brophy Marcus, USA Today
http://www.usatoday.com/primeedition/2009/01/03/pullawayfromiphone_x.htm
- 50 million iPhone users and 85,000 applications.

Africa is Going Mobile!
40,000 new mobile subscribers a week in Rwanda; Rwanda Newtimes report, January 2009
Africa is the continent with the fastest growth, where penetration has soared from just one in 50 people at the turn of the century to 28%. International Telecommunications Union (ITU), March 2009
India: In 2008, 7M new mobile subscribers a month. In January, 2009, the number skyrocketed to 12.4M (Growth was driven by people in the poorest region) Globally: 60,000 new mobile subscriptions every hour!!!
(per Paul Kim, Stanford, 2009); Nokia Research Lab

Terabyte thumb Drives and Magic Pens!
(The Pulse from Livescribe)
Second, we need new ways to record info: Smartpens: “Never Miss a Word”

Mobile Learning in India with Paul Kim
http://www.stanford.edu/~pklab/cart/India.pdf
Learning Towns are Popping up!

Predictions

1. Five Billion "Have-Not" Have it!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Tersubyte Learning Access Points
5. The Veneration of Learning
6. Personalization/Portfolios
7. The Selection of Global Learning Partners
8. The Shared Learning Era
9. Teaching-Learning Perpetuities
10. Teachers, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Amalgamations
15. Alexandrian Aristotiles

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
The World is Open.
What happens then?

ALL LEARN!!!