The World is Open: Now, WE ALL LEARN With Web Technology

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

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; Mozilla, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (e.g., Walmart)
8. Insourcing (UPS riding Toyota 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)

15 Gadgets that Changed Everything
This Decade
December 9, 2009, Jay Yarow, Silicon Alley Insider

21 Things That Became Obsolete This Decade
December 11, 2009, Silicon Alley Insider

Oregon Scientific Smartglobe 2008
UCLA Summer Digs Program
Dig in, archaeology fans! UCLA blogs to offer front-row seat at archaeology digs, Meg Sullivan, 6/25/2008

David Thomas, Archeologist, La Trobe University, Australia (Discovery News)

Michael Perham & Zac Sunderland,
Summer 2009 (each age 17, youngest person to sail solo around the world), and blog on it, use Skype, YouTube, take videos, post pictures

Follow Online Adventure
Australian adventurer Don McIntyre and teenage circumnavigator Mike Perham to re-enact Capt. William Bligh's epic mutiny on the Bounty open boat voyage, September 9, 2009

Charles Wedemeyer
Learning at the Back Door (1981)
Nontraditional Learning

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 (sync and async)
- Alternates 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!!!

Free Online Books
(Terry Anderson and Fathi Elloumi, eds. Theory and Practice of Online Learning: Canada: Athabasca University. 2004),
http://cde.athabascau.ca/online_books/ 95,000 downloads in first year)

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.”
**e-Book Readers**
(e.g., Barnes & Noble unveils its e-reader, the Nook, USA Today, October 21, 2009)

- Blio is a free platform...run on any device.
- Blio is in color.
- Blio lays pages seen on paper, with typography and illustrations; uses video.
- More than a million library of titles.
- The end of the book?

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**Opener #2. E-Learning and Blended Learning**

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**Trend #2. E-Learning and Blended Learning. What happens then?**

**WE ALL LEARN!!!**

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**Capella Tower**
225 South Sixth Street, Minneapolis
Formerly, the "Halo"

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**Indiana University High School**
(4,000 students and 1,400 enrolled in diploma programs)
Adora Svitak, age 11, World’s Youngest Teacher

iSMART: Integration of Science, Mathematics, and Reflective Teaching (iSMART) is a FREE 2-year online graduate program for middle school science and mathematics teachers in Texas, University of Houston
http://www.coe.uh.edu/programs/SULM/mathisSMART.rtf

You see the big picture, you find the connections. Make it official — become iSMART.

Open Teaching
(Tom Reeves Evaluation Course at Georgia; David Wiley’s Web 2.0 courses at BYU, Connectivism from George Siemens and Stephen Downes, 24 enrolled, 2,000+ sitting in.)

Question: What is Top E-Learning Project in Indiana?
Answer: A Grain of Rice: A Bloomington man’s computer vocab game feeding the world

Opener #3. Availability of Open Source and Free Software (e.g., Linux, Apache, Moodle, Sakai)
Trend #3. Availability of Open Source and Free Software. What happens then?

WE ALL LEARN!!!

Moodle (620,000 registered users in 204 countries speaking 78 languages, 2/10/2009)

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)

OpenCourseWare (OCW) Cute Kitten or Transformation?

Opensource Opensourceware Prototype System (OOPS) funded by, the Foundation of Fantasy, Lucifer Chu, Chairman and Janitor of OOPS, Taipei)
Sample OpenCourseWare Projects
(Tufts, Johns Hopkins, IITs of India)

Cape Town Open Education Declaration, Dec 2007
http://www.capetowndeclaration.org/

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

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

Lecture Portals (Academic Earth, TED, etc.
http://academicearth.org/
Link TV and Fora TV

Tracking Live Internet Thawing: A Colossal of an Idea

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

The Complete Works of Charles Darwin

The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys
(Great Plague, Great Fire, Charles Dickens, Erasmus Darwin, Mary Wollstonecraft Shelley, Robert Browning, John Stuart Mill, Ralph Waldo Emerson, Elizabeth Barrett Browning, and Alfred Tennyson)

The Royal Society 350th anniversary celebrations puts historic papers online (Captain Cook, Sir Isaac Newton and Benjamin Franklin), BBC, Nov 30, 2009
http://news.bbc.co.uk/2/hi/science/nature/8410328.stm

Accompaignage

INGENIUS

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Human Brain Dissected Today in a Live Webcast, Chronicle of Higher Education, December 02, 2006, 6:00 PM ET

Referatory: MERLOT.org
(78,472 members, 21,690 learning materials, January 3, 2010)

Connexions 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-inf, IP, BRIT, UNESCO, UN, Sigma XI, ...
from authors worldwide
Usage (December 2009)
1.6m unique users
4 million page views
72 million hits
More than 1m unique users from nearly 200 countries

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

Wikis: Wikipedia and Wikibooks

Conference to Conference
(You Ustreamed my Ustream: Now that's a Twitter of an Idea)
Shared Online Video (e.g., YouTube and the Royal Channel)

Individual Produced Videos (e.g., African School Dream in Current TV)
http://current.com/items/77146662_african_school_dream

TV Lesson (How-to lessons from experts; 1,000's of instructional videos and articles; http://www.tvlesson.com/)

Participatory E-Books

Scribd: Documents on Web

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

Iran after the June Election

The Next Generation of Videoconferencing
Chronicle of HE, October 21, 2009

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

Adventure Learning, GeoThentic, GoNorth (National Geographic)
(Aaron Doering, Univ of Minnesota)

Global SchoolNet
http://www globalschoolnet.org/index.cfm?section=Programs
Ice Stories Project from Antarctica

1kg More Project for Rural China
(http://www.1kg.org/

Mongolia teachers addressing H1N1
(Otgo Okhidoi, Nov 10, 2009)

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

Second Life
(business, law, education, English, medicine)

University of Texas: 50 Islands, Nov 2009
http://archive.treek.tv/metamontica-campus-life
Social Networking Gaming (e.g., Farmville)
For social networks, it's game on, USA Today, Jon Swartz, Thursday October 15, 2009

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

We Are Going Mobile!
40,000 new mobile subscribers a week in Rwanda; Rwanda News Times report, January 2009
Africa is the continent with the fastest growth, International Telecommunications Union (ITU), March 2009

India: In January, 2009, the number sky rocketed to 15.4M
Globally: 60,000 new mobile subscriptions every hour!!!
(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://www.gartner.com/idc/y1/20090101/IndiaMobileSubscriptions

Terabyte thumb Drives and Magic Pens!
(The Pulse from Livescribe, $129-$169)

TwitterPeek, WikiReader not worth the loot, USA Today, Edward Baig, November 5, 2009

TwitterPeek:
Restricted to Twitter.

WikiReader:
Updating can be a pain.

Mobile Learning in India with Paul Kim
http://www.stanford.edu/~cbilme/courts/India.pdf
Mobile Learning
(April 21, 2009, USA Today)

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

September 30, 2009
the Samsung DualView TL225

Facebook: The New Classroom Commons?, Chronicle of HE, Harriet L. Schwartz, Sept. 28, 2009

Teaching With Twitter, Chronicle of HE, Jeffrey Young
November 22, 2009
Sugata Mitra, a professor of computer science and robotics at Pembroke University, has released Twitter into the lecture hall, even though the session is not
students engage in back-channel discussion. The sessions are broadcast via hashtag for the professor and guest speakers are projected for all the students to see.

Podcast Shows
(subscribe to ShakespeareCast.com)
Learning Towns are Popping up!

Livemocha (29 languages, 160 hours of lessons, over 2 million users, FREE!)

Predictions
1. Five Billion "Have-Nets" have it!
2. Emergence of Life Long Super E-Mentors/Coaches
3. 24-hour Century Learning Clubs
4. Terabyte 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, Professors
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Amalgamations
15. Alexandrian Aristotles

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

E-books: 4 choices (Paperback, Kindle, iPhone, or iPod listening)
Chronicle of HE, June 12, 2009

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