Learning 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 (TKE)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (e.g., Walmart)
8. In-sourcing (UPS fixing Toshiba laptops)
9. In-unwinding (e.g., Google, Yahoo!, MSN Web Search)
10. The Steroids: Digital, Mobile, Personal, and Virtual (wireless, file sharing, VoIP, video camera in phone)

Some people think it is out in the streets or in the clouds!

World without Walls
**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)
- 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.

**4th P? Processing Speed**
Scientists develop fastest computer
June 9, 2008, H. JOSEPH HEBBEY, AP
- To put the computer’s speed in perspective, it has roughly the computing power of 100,000 of today’s most powerful laptops stacked 1.5 miles high, according to IBM. Or, if each of the world’s 6 billion people worked on hand-held computers for 24 hours a day, it would take them 46 years to do what the Roadrunner computer can do in a single day.
5th P...Pointing!

6th P...Pockets! What if every early elementary kid could have a terabyte (1,000 gigabytes or 1 trillion bytes) of data on a thumb drive? (Wired Magazine, October 26, 2007 says it will be possible in a few years; research from Arizona State)

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!!!
Read, Listen, etc. to online books (e.g., "An International Episode" by Henry James)

Global Text Project (free textbooks for those in less developed countries)
http://globaltext.org/

Opener #2. E-Learning and Blended Learning

Trend #2. E-Learning and Blended Learning. What happens then?
WE ALL LEARN!!!

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

Growth of Online Learning in Secondary Schools
(Florida Virtual School; AP American History)
Indian University High School
4,000 students and 1,400 enrolled in diploma programs (interest from China, India, and Nigeria as well as military and adults who never completed a high school degree)
(per Bruce Colston, Director of IUHS, Oct 2008)

The Voyages of SUV room

Adora's New Book
"Dancing Fingers"
By Adora & Adrianna Svitak

Total and Online Enrollment in Postsecondary Institutions
Fall 2000 through Fall 2006
(The Degree-Granting Institutions)

<table>
<thead>
<tr>
<th></th>
<th>Total Registration</th>
<th>New Students</th>
<th>Transfer Students</th>
<th>Graduates</th>
<th>Total Change</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2000</td>
<td>16,981,210</td>
<td>NA</td>
<td>NA</td>
<td>22,097</td>
<td>-5,919</td>
<td>-21.7%</td>
</tr>
<tr>
<td>Fall 2001</td>
<td>16,800,479</td>
<td>1.7%</td>
<td>1,871,387</td>
<td>23,097</td>
<td>-5,919</td>
<td>-21.7%</td>
</tr>
<tr>
<td>Fall 2002</td>
<td>17,272,943</td>
<td>2.2%</td>
<td>2,325,723</td>
<td>23,097</td>
<td>-5,919</td>
<td>-21.7%</td>
</tr>
<tr>
<td>Fall 2003</td>
<td>17,428,800</td>
<td>0.9%</td>
<td>2,325,723</td>
<td>23,097</td>
<td>-5,919</td>
<td>-21.7%</td>
</tr>
<tr>
<td>Fall 2004</td>
<td>17,347,760</td>
<td>1.5%</td>
<td>5,489,691</td>
<td>23,097</td>
<td>-5,919</td>
<td>-21.7%</td>
</tr>
</tbody>
</table>

Sara Costello, professor of English at the University of Illinois-Springfield, says she finds online students become better writers because they get so much practice. NPR Special, Nov 25, 2007, Larry Abramson. (67% of US Colleges and universities offer online courses; 35% offer fully online programs.)

Univ of Illinois at Springfield
UIS Online & Blended Enrollment

University of Illinois at Springfield, 2008. A special thanks to Ray Schroeder and Burks Oakley!!!
A Grain of Rice: A Bloomington man's computer vocab game feeding the world
Herald Times, Wednesday
February 6, 2008
Mike Leonard

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 (400,000 registered users in 193 countries speaking 73 languages)

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

Trend #4. Leveraged Resources and OpenCourseWare.
What happens then?
WE
ALL
LEARN!!!
Post Courses in YouTube and iTunes (e.g., Berkeley)

Peer 2 Peer University
Unusual New Online University Will Rely on Volunteer Teachers, October 20, 2008

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 BROWNING, The New York Times

The Complete Works of Charles Darwin

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

Tracking Live Internet Thawing: A Colossal of an Idea

Referatory: MERLOT.org
(52,000 members, 20,000 learning materials)

Connections Growth, January 2009

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

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.

Conference to Conference (You Ustreamed my Ustream: Now that's a Twitter of an Idea)
Brand New E-Book and Print book
Opening Up Education
New Edition Book from NYU (free PDF, sample chapters, and hardcopy)

Posting Documents on Web
Scribd: http://www.scribd.com/ 21 million
unique visitors per month, May 2008

World's Largest Online Book Club
LibraryThing (you can be a "thingamabob"
400,000 users and 26 million books)
Opener #7. Electronic Collaboration and Interaction (synchronous & asynchronous)

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

EPals has for-profit and nonprofit arms. Candace Pausdatt, standing, uses its tools in her class. By STEVE LORI Published: February 24, 2008 New York Times
Virtual Case Worlds

Massive Multiplayer Online Gaming (MMOG)

Opener #9. Real-Time Mobility and Portability (e.g., iPhone, low cost wireless devices)
Learning Towns are Popping up!

Predictions
1. Five Billion “Haves-Nots” Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Terabyte Learning Access Points
5. The Vesication of Learning
6. Personalization + Portfolios
7. The Selection of Global Learning Partners
8. The Shared Learning Era
9. Teachers-Learning Perpetuities
10. Teachers, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Anomalies
15. Alexandrian Aristotics

TutorVista has 600 tutors in India and 10,000 subscribers in the United States, including Kenneth Tham in Arcadia, Calif.

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

WE ALL LEARN!!!