Part 1 (Macro View).
The Flat World Swung Open:
Now WE-ALL-LEARN with Web Technology

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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-Source (Self organ collab communities; Mozilla, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (e.g., Walmart)
8. Insourcing (IPS firing 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)

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

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)
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)

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.

Audience Participation!

1. WE
2. ALL
3. LEARN!!!
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!!!**

E-books: 4 choices (Paperback, Kindle, iPhone, or iPod listening)

This Could Be the Year of e-Textbooks
Many titles are available, but students are wary. Jeffrey Young, September 7, 2008

Sign of the times: At the San Diego State U. bookstore, a poster exhorts students to "Buy This Textbook as an eTextbook."

Free Online Books
(Terry Anderson and Fatih Elmasli, eds. Theory and Practice of Online Learning, Canada: Athabasca University, 2004), http://cde.athabascau.ca/online_book/, 55,000 downloads in first year)
Opener #2. E-Learning and Blended Learning

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

Indiana University High School
(4,000 students and 1,400 enrolled in diploma programs)

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

Adora Svitak, age 11, World's Youngest Teacher
**Total and Online Enrollment in Postsecondary Institutions**
Fall 2002 through Fall 2006

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Fall</th>
<th>Total Fall Online</th>
<th>Total Fall Online %</th>
<th>Total Spring</th>
<th>Total Spring Online</th>
<th>Total Spring Online %</th>
<th>Total Spring Online %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>15,614,173</td>
<td>38,922</td>
<td>0.25%</td>
<td>15,733,556</td>
<td>35,777</td>
<td>0.23%</td>
<td>39.6%</td>
</tr>
<tr>
<td>2003</td>
<td>15,892,669</td>
<td>42,717</td>
<td>0.27%</td>
<td>15,905,307</td>
<td>42,717</td>
<td>0.27%</td>
<td>39.6%</td>
</tr>
<tr>
<td>2004</td>
<td>17,073,544</td>
<td>49,805</td>
<td>0.29%</td>
<td>17,082,233</td>
<td>49,909</td>
<td>0.29%</td>
<td>40.6%</td>
</tr>
<tr>
<td>2005</td>
<td>17,482,694</td>
<td>59,208</td>
<td>0.34%</td>
<td>17,500,000</td>
<td>59,208</td>
<td>0.34%</td>
<td>42.9%</td>
</tr>
<tr>
<td>2006</td>
<td>17,641,729</td>
<td>62,597</td>
<td>0.36%</td>
<td>17,652,426</td>
<td>62,800</td>
<td>0.36%</td>
<td>43.1%</td>
</tr>
</tbody>
</table>

**US Online & Blended Enrollment**

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**Open Teaching**
(Tom Roeravas Evaluation Course at Georgia; David Wiley's Web 2.0 courses at BYU; Connexivium from George Siemens and Stephen Dowes, 24 enrolled, 2,000+ sitting in)

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**A Grain of Rice: A Bloomington man’s computer vocab game feeding the world**

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**Opener #3. Availability of Open Source and Free Software** (e.g., Linux, Apache, Moodle, Sakai)

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**Trend #3. Availability of Open Source and Free Software. What happens then?**

WE ALL LEARN!!!

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**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 Opencourseware Prototype System (OOPS) funded by, the Foundation of Fantasy, Lucifer Chu, Chairman and Janitor of OOPS, Taipei)

Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

Indian Institutes of Technology (IIT)
National Repository for Online Courses (NROC) Commons

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

Peer2Peer University and University of the People (free!)

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

Academic Earth
http://academicearth.org/

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

Referatory: MERLOT.org
(74,500 members, 21,300 learning materials, October 6, 2009)

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-info, IP, BRIT, UNESCO, UN, Sigma Xi, ...
from authors worldwide

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/77146082_african_school_dream

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

Link TV and Fora TV

Transforming the System: An Interview with Thermal River...
dotSUB (subtitling video)

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)

Ice Stories Project from Antarctica

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

Mongolia teachers addressing H1N1
(Otgo Khidol, 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

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 Newtimes report, January 2009
Africa is the continent with the fastest growth, International Telecommunications Union (ITU), March 2009

India! In January, 2009, the number skyrocketed to 15.44M Globally: 60,000 new mobile subscriptions every hour!!!
(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://www.youtube.com/sly/IXH0iMbf9y9; http://www.empirenews

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

WikiReader: Updating can be a pain.

Mobile Learning in India with Paul Kim
https://www.stanford.edu/~pklime/cert/India.pdf

Mobile Learning
(April 21, 2009, USA Today)

'One Laptop Per Child' program collides with reality
GEOFFREY YORK, Toronto Globe and Mail, Oct 15, 2009
Bhutan, Khendum Gyabak (University of Texas at El Paso)

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

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

September 30, 2009
the Samsung DualView TL225
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-Nots" Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Transbyte 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 Bleeds
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Anagamations
15. Alexandrian Aristocrats

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

WE ALL LEARN!!!