**The Flat World Swung Open: How Web Technology Is Revolutionizing Education**

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**UCLA Summer Digs Program**

Dig in, archaeology fan! 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, news Abby Sunderland age 16, Minoru Saito, age 79, oldest solo sailor)

**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)

**Opener #1. Web Searching**

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

**Tablet May Help E-Textbook Market, Publishers Hope**

Chronicle of HE, Jeffrey Young
January 31, 2010

Guests play with Apple's new iPad at an event announcing its debut in San Francisco. At least one college is considering giving iPads to new students, but the jury on whether the device will revolutionize learning will be out for a while.
Free Online Books
(Terry Anderson and Fathi Elrhazmi, eds. Theory and Practice of Online Learning: Canadian Athabasca University, 2004).
http://ceo.athabascau.ca/online_books/ (55,000 downloads in first year)

Opener #2. E-Learning and Blended Learning

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.hcscu.edu/ims/ims/ims.sum13.pdf
http://www.ims.hcscu.edu/ims/ims/ims/ims.html
You see the big picture. You find the connections. Make it official. become iSMART.

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

Moodle (32+ million registered users in 208 countries, 9+ million courses, 2/6/2010)
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)

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)

Link TV, Academic Earth, TV Lesson, and Fora TV

The Royal Society 350th anniversary celebrations puts historic papers online (Captain Cook, Sir Isaac Newton and Benjamin Franklin), BBC, Nov 30, 2009
http://www.bbc.co.uk/science/specials/15015254
Sharing Repositories and Referatories
MERLOT.org: 78,472 members, 21,650 learning materials, Jan 3, 2010
Connections: Dec 2009, 1.6m unique users, 4 million page views,
72 million hits, More than 1m users, 200 countries
National Repository of Online Course, OER Commons

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

Wikis: Wikipedia and Wikibooks
Wikipedia

Scribd: Documents on Web

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

Synchronous Conferencing Presentations
The Next Generation of Videoconferencing
Chronicle of HE, October 21, 2009

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

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

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

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

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

Teaching With Twitter
Chronicle of HE, Jeffrey Young, November 22, 2009
Sapon Dharwadkar, a professor of computer science and robotics at Purdue University, has introduced Twitter into the lecture hall, even though the students engage in back-channel discussions. The questions submitted via hashtag for the professor and guest speakers are projected for all the students to see.

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

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

WE ALL LEARN!!!