

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

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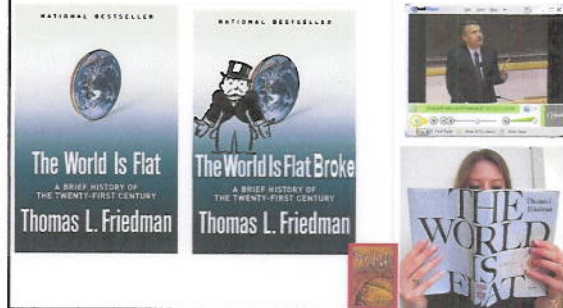
Where are you headed?



Do you know the shape of the world?



Is the World Flat?



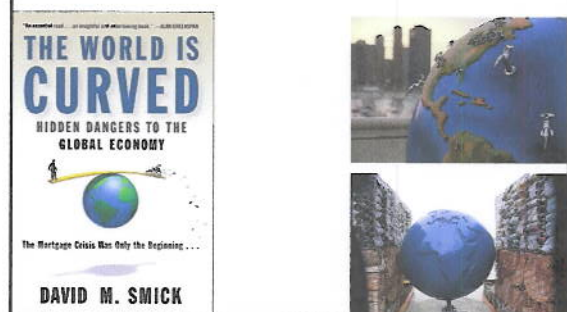
The Ten Forces that Flattened the World

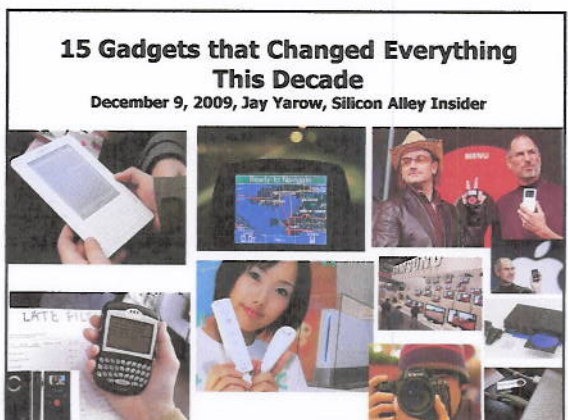
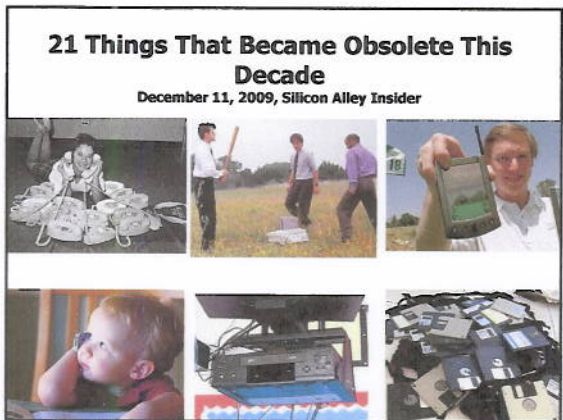
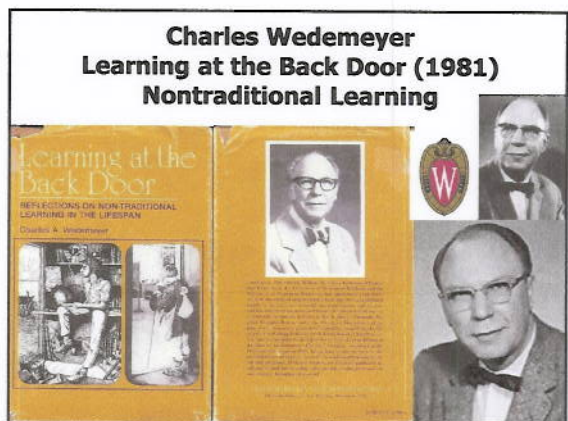
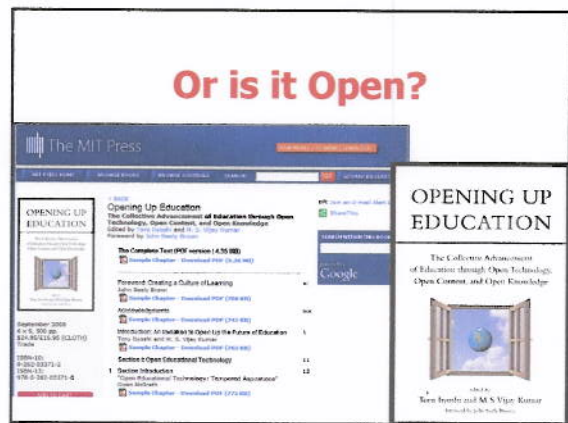
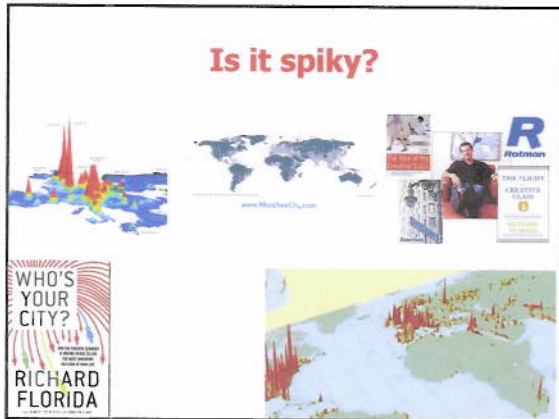
Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.

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 organ collab communities; Mosaic, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
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)



Is the World Curved?





UCLA Summer Digs Program

Dig in, archaeology fans! UCLA blogs to offer front-row seat at archaeology digs, Meg Sullivan, 6/25/2008

Participate in the Summer Digs Program

Check out the latest archaeological news and photos from the UCLA Summer Digs Program.

Participate in the Summer Digs Program

Check out the latest archaeological news and photos from the UCLA Summer Digs Program.

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, now Abby Sunderland age 16, Minoru Saito, age 75, oldest solo sailor)

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

Discovery News

Archaeologist David Thomas

Archaeologist David Thomas

Archaeologist David Thomas

Indiana Jones

- Perhaps those learning online are akin to the alien archaeologists in the 2008 movie, *Indiana Jones and the Kingdom of the Crystal Skull*. We are seeking the knowledge nuggets of our planetary past and present. As Indy said, **"Their treasure wasn't gold, it was knowledge. Knowledge was their treasure."** If that is true for us as well, then today pretty much all the world's known treasures can be found online.

WE-ALL-LEARN:

Ten Forces that Opened the Learning World

- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**ead-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)

Audience Participation!

1. WE

2. ALL

3. LEARN!!!




Triple Learning Technology Convergence of "WE-ALL-LEARN"

- Pipes:** The availability of tools and infrastructure for learning.
- Pages:** The availability of free educational content and resources (OER—Open Educational Resources).
- 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

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




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

Blio: Kurzweil Reinvents the Book

Charlie Sorrel, Dec 29, 2009, Wired
<http://www.wired.com/gadgetlab/2009/12/blio-kurzweil-reinvents-the-book/>

- 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?



Tablet May Help E-Textbook Market, Publishers Hope
 Chronicle of HE, Jeffrey Young
 January 31, 2010



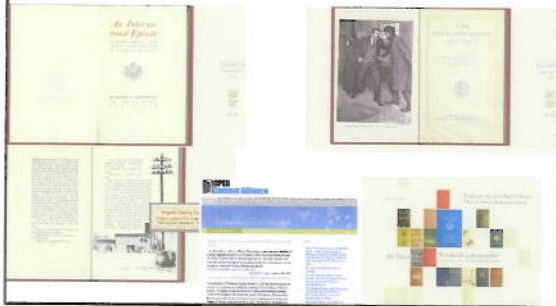
Guests play with Apple's new iPad at an event announcing its debut in San Francisco. At least one college is considering giving iPads to new students, but the jury on whether the device will revolutionize learning will be out for a while.

Free Online Books

(Terry Anderson and Fathi Elloumi. eds. *Theory and Practice of Online Learning*; Canada: Athabasca University. 2004), http://cde.athabascau.ca/online_book/, 55,000 downloads in first year)



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



Opener #2. E-Learning and Blended Learning



Letter from Bill Gates about online learning (January, 2010)

<http://www.gatesfoundation.org/annual-letter/2010/Pages/education-learning-online.aspx>



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



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

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/mycoe/CUIN/math/iSMART%20 flyer4.pdf>
<http://www.coe.uh.edu/mycoe/CUIN/math/iSMART.cfm>

You see the big picture. You find the connections.
Make it official - become iSMART.

TOTAL AND ONLINE ENROLLMENT IN DEGREE-GRANTING POSTSECONDARY INSTITUTIONS - FALL 2002 THROUGH FALL 2008

	Total Enrollment	Annual Growth Rate Total Enrollment	Students Taking at Least One Online Course	Annual Growth Rate Online Enrollment	Online Enrollment as a Percent of Total Enrollment
Fall 2002	16,611,730	NA	1,602,970	NA	9.6%
Fall 2003	16,911,481	1.8%	1,971,397	23.0%	11.7%
Fall 2004	17,272,043	2.1%	2,329,783	18.2%	13.5%
Fall 2005	17,487,481	1.2%	3,180,050	36.5%	18.2%
Fall 2006	17,588,872	1.6%	3,488,381	9.7%	19.6%
Fall 2007	17,975,830	1.2%	3,938,111	12.9%	21.9%
Fall 2008	18,199,920	1.2%	4,606,353	16.9%	25.3%

UIS Online & Blended Enrollment

Learning on Demand: Online Education in the United States, 2009 (Jan, 2010, Sloan-C)
http://www.sloan-c.org/learning_on_demand_sr2010

IMPACT OF THE ECONOMIC DOWNTURN ON THE DEMAND FOR COURSES AND PROGRAMS - FALL 2009

Category	Decreased	No change	Increased
Existing face-to-face courses and programs	~10%	~40%	~50%
New face-to-face courses or programs	~10%	~40%	~50%
Existing online courses and programs	~10%	~40%	~50%
New online courses or programs	~10%	~40%	~50%

Learning on Demand: Online Education in the United States, 2009 (Jan, 2010, Sloan-C)
http://www.sloan-c.org/learning_on_demand_sr2010

ONLINE EDUCATION IS CRITICAL TO THE LONG-TERM STRATEGY OF MY INSTITUTION:
FALL 2002 - FALL 2009

Year	Agree	Neutral	Disagree
Fall 2002	~45%	~35%	~20%
Fall 2003	~50%	~30%	~20%
Fall 2004	~55%	~25%	~20%
Fall 2005	~55%	~25%	~20%
Fall 2006	~55%	~25%	~20%
Fall 2007	~55%	~25%	~20%
Fall 2009	~55%	~25%	~20%

Learning on Demand: Online Education in the United States, 2009 (Jan, 2010, Sloan-C)
http://www.sloan-c.org/learning_on_demand_sr2010

PROPORTION OF INSTITUTIONS REPORTING ECONOMIC DOWNTURN HAS INCREASED DEMAND FOR COURSES AND PROGRAMS - FALL 2009

	Public	Private nonprofit	Private for-profit
Existing Face-to-face	75.9%	31.6%	52.7%
New Face-to-face	60.2%	30.9%	45.8%
Existing Online	87.6%	58.2%	67.0%
New Online	76.5%	59.5%	54.5%

	Doctoral/Research	Master's	Baccalaureate	Associate's	Specialized
Existing Face-to-face	51.9%	44.7%	30.9%	75.2%	26.5%
New Face-to-face	39.2%	35.9%	24.6%	63.3%	32.6%
Existing Online	75.0%	66.7%	62.1%	81.2%	62.0%
New Online	79.1%	67.6%	55.8%	71.9%	52.4%

U.S. DEPARTMENT OF EDUCATION

Evaluation of Evidence-Based Practices in Online Learning
A Meta-Analysis and Review of Online Learning Studies

Researcher's Initiative for Teaching Effectiveness

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

The Learning World is Open

Moodle (32+ million registered users in 208 countries, 3+ million courses, 2/6/2010)

Moodle sites

Moodle downloads

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

The Learning World is Open

Open Yale

MIT OPEN COURSEWARE

Exc. Traditional Textbooks

We ReMix Open Textbooks!

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)

Open Educational Resources (OER) Post Courses in YouTube and iTunes (e.g., Berkeley)

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

The Biggest OCW Localization Volunteer Group in the World

OOPS Opencourseware Prototype System
The Foundation of Fantasy Culture and Arts

OOPS Opencourseware Prototype System
開放式課程計劃

Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

Tufts OpenCourseWare

JOHNS HOPKINS COURSEWARE

Cape Town Open Education Declaration, Dec 2007

<http://www.capetowndeclaration.org/>

THE CAPE TOWN OPEN EDUCATION DECLARATION

Declaration, July 4th 1776

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

Israeli Entrepreneur Muses a Free Global University That Will Be Online Only

Technology Review

Israeli starts 1st tuition free online university

TAKE IT

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

The Learning World is Open

SPARKNOTES

40 MILLION

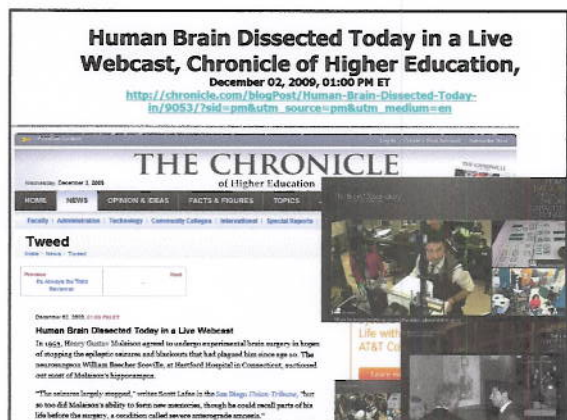
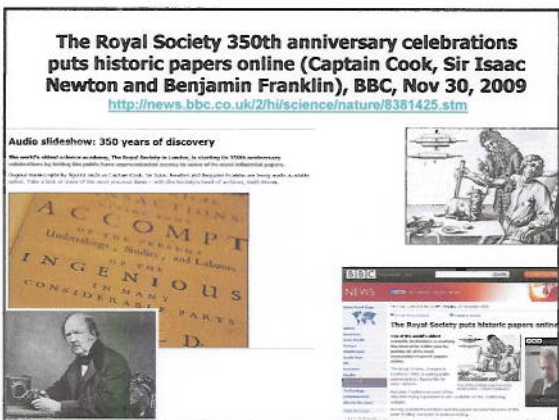
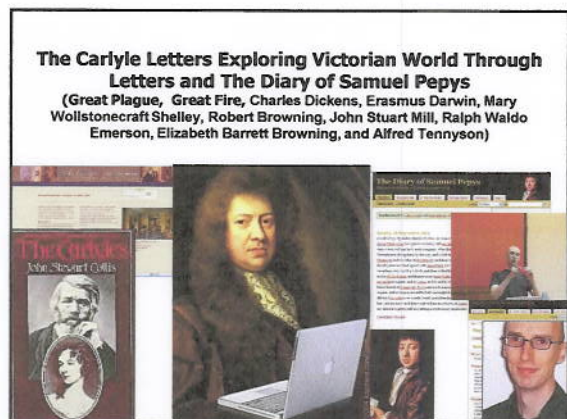
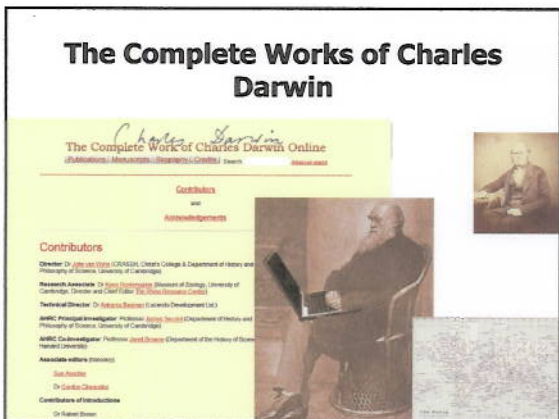
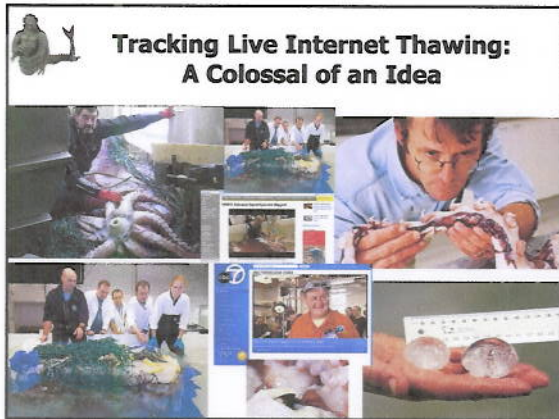
Link TV, Academic Earth, TV Lesson, and Fora TV

Transforming the System: An Interview with Michelle Rhee

FORA.tv

Academic Earth

TV Lesson



Sharing Repositories and Referatories
MERLOT.org: 78,472 members, 21,690 Inrg materials, Jan 3, 2010
Connexions: 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)

The Learning World is Open

A bit of me...

this is me...

flatworld KNOWLEDGE

Wikis: Wikipedia and Wikibooks

WIKIPEDIA

English Die freie Enzyklopädie
 Deutsch Die freie Enzyklopädie
 Français L'encyclopédie libre
 Italiano Wikipedia
 日本語 ウィキペディア
 Nederlands De vrije encyclopedie
 Español La enciclopedia libre
 Português A enciclopédia livre
 Pycckий Энциклопедия
 中文 维基百科

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)

THE ROYAL CHANNEL

Kylie Minogue collects her OBE at Buckingham

The Queen visits Google London

Individual Produced Videos (e.g., African School Dream in Current TV)

http://current.com/items/77146082_african_school_dream

VC² = VIEWER-CREATED CONTENT

Participatory E-Books

The collage features several digital book covers and content. On the left is the cover of 'THE FUTURE OF THE INTERNET AND HOW TO STOP IT' by JONATHAN ZITTRAIN. In the center is 'OPENING UP EDUCATION: The Liberal Advantage of Education Through Open Resources, Flexible Courses and Open Sourcebooks'. On the right is 'The Wealth of Networks: How Social Media and the Internet are Changing the Way We Think, Live, and Organize'. Other elements include a 'Networld' logo and a person presenting at a screen.

Scribd: Documents on Web

<http://www.scribd.com/>; 21 million unique visitors per month, May 2008

The top part shows a screenshot of the Scribd website with navigation options like 'Upload Documents', 'Share with the World', and 'Explore Our Library'. Below the screenshot is a photograph of two men standing in a room decorated with balloons and a large Scribd logo on the wall.

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

This collage includes several educational and collaborative-themed images. On the left is 'edutopia: The Collaboration Edge'. In the center is 'Collaboration Generation'. On the right is a poster titled 'NEW SKILLS FOR A NEW AGE' with the words 'CREATE' and 'COLLABORATE'. There is also a photo of a man wearing a headset, likely representing customer support or online interaction.

Synchronous Conferencing Presentations

The collage consists of multiple overlapping windows from a video conferencing session. It shows various participants in different settings, some in professional attire and others in more casual environments, engaged in a meeting.

The Next Generation of Videoconferencing

Chronicle of HE, October 21, 2009

The image shows a screenshot of a video conference interface. It features a large video player on the left showing two people in conversation, and a grid of smaller video windows on the right showing other participants. Text at the bottom reads: 'Researchers at the University of Southern California and the University of North Carolina at Chapel Hill are creating new tools that may soon let people attend videoconferencing as...'.

Adventure Learning, GeoThentic, GoNorth (National Geographic)

(Aaron Doering, Univ of Minnesota)

This collage features educational content related to adventure learning. It includes a National Geographic 'Explore' magazine cover with the tagline 'HELPING LEARNERS LEARN'. Other elements include photos of people in outdoor settings, a globe, and various interface elements from educational software.

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 in Second Life, Nov 2009
<http://archive.treet.tv/metanomics-campus-life>

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

Social Networking Gaming (e.g., Farmville)
For social networks, it's game on, USA Today, Jon Swartz, Thursday October 15, 2009

Mobile Learning
(April 21, 2009, USA Today)

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 sky rocketed to 15.4M
Globally: 60,000 new mobile subscriptions every hour!!

(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://news.yahoo.com/s/afp/20090308/bs_afp/Indiaeconomytelecom



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.

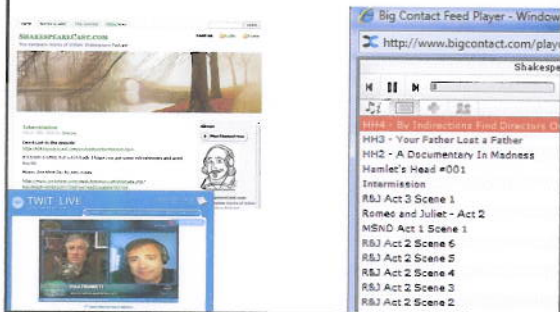
Opener #10. Networks of Personalized Learning (Blogs, Podcasts, MySpace, Flickr, and RSS)



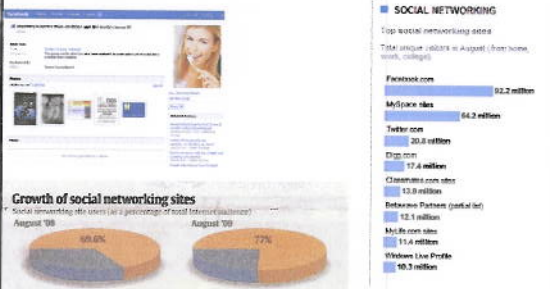
September 30, 2009
 the Samsung DualView TL225



Podcast Shows (subscribe to ShakespeareCast.com)



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
 Sugato Chakravarty, a professor of consumer sciences and retailing at Purdue University, has welcomed Twitter into the lecture hall, even though the service lets students engage in back-channel discussions. The questions submitted via Hotsheet 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!)

"A powerful opportunity for people around the world to connect with language partners"

Livemocha

Social Language Learning - Online

Language Learning on Livemocha

Livemocha Challenge

Predictions

1. Five Billion "Have-Nots" Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-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, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Amalgamations
15. Alexandrian Aristotles

The Future

- This book is an attempt to reveal a wide range of learning options in front of you while also offering you a framework to make sense of them. As the Grail Knight said in the 1989 movie, *Indiana Jones and the Last Crusade*, "choose wisely." If you do, WE-ALL-LEARN. The world is now open to you!

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

WE

ALL

LEARN!!!