

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

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



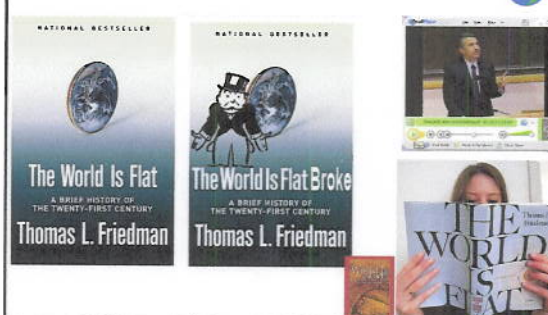
## Where are you headed?



## Do you know the shape of the world?



## Is the World Flat?



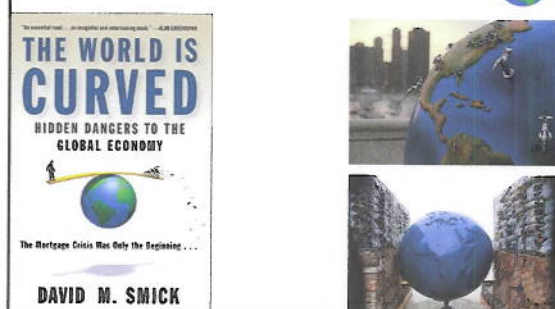
## The Ten Forces that Flattened the World

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; Mosiac, 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?



## Is it spiky?

WHO'S YOUR CITY?  
RICHARD FLORIDA

## Or is it Open?

THE MIT PRESS

OPENING UP EDUCATION

THE COLLECTIVE ADVANCEMENT OF EDUCATION THROUGH OPEN TECHNOLOGY, OPEN CONTENT, AND OPEN KNOWLEDGE

By Tara Bynum and M.S. Vijay Kumar

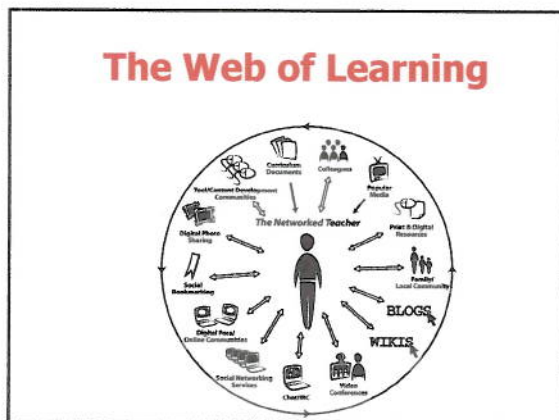
## Question: What is the Web?

- An entertainment system?
- A writing aid?
- A communications system?
- A means to handle commercial transaction?
- A social networking device?

=====

### No, it is a learning tool!

## Answer: The Web of Learning



## The Explosion of the Web 2.0

Periodic Table of the Internet

## We are entering a jumping off point...

**Web 2.0**

The Web is becoming a place where people can create and share content. This is the essence of Web 2.0. It is a new era of the Internet that is characterized by user-generated content, social networking, and collaborative computing.

Key features of Web 2.0 include:

- User-generated content
- Social networking
- Collaborative computing
- Weblogs
- Podcasts
- Video sharing
- Virtual worlds
- Wikis
- Web 2.0 applications

**Elements of the Web's Next Generation**

## UCLA Summer Digs Program

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

Archaeology fans can get a front-row seat at the UCLA Summer Digs Program. The program offers a unique opportunity for students to participate in archaeological excavations and learn about the field of archaeology. The program is led by Meg Sullivan, a UCLA archaeologist. The program is open to students of all ages and backgrounds. For more information, visit <http://www.ucla.edu/~archaeology>.

## 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)

Michael Perham and Zac Sunderland, both 17 years old, became the youngest people to sail solo around the world in the summer of 2009. They used various technologies to stay connected, including Skype, YouTube, and taking videos and photos. Now, Abby Sunderland, age 16, and Minoru Saito, age 75, are also solo sailors.

## May 2010, Jessica Watson became the youngest person ever to sail solo, non-stop and unassisted around the world.

<http://www.jessicawatson.com.au>

Abby Sunderland's blog

## Sunderland, 16, reportedly in trouble. ESPN, June 10, 2010

<http://sports.espn.go.com/oly/news/story?id=5272149>

Sunderland, 16, reportedly in trouble

Abby Sunderland, a 16-year-old attempting to circumnavigate the globe by herself in a sailboat, is feared lost at sea, according to ABC News.com. Sunderland activated two emergency beacons before 7 a.m. June 10 in the Pacific, but neither, Marjorie told ABC News.

An employee on Sunderland's support team, Jeff Collier, said the beacons indicate that she is in trouble. He said that he last talked with Sunderland at about 5 a.m. ET, when she told him she had been knocked down twice because of storm waves. The next sign of the boat off the boat, Collier said.

Marjorie Sunderland told ABC News that her daughter was in 20- to 25-foot waves off the coast of Madagascar. She is about 500 miles north of the Antarctic Islands.

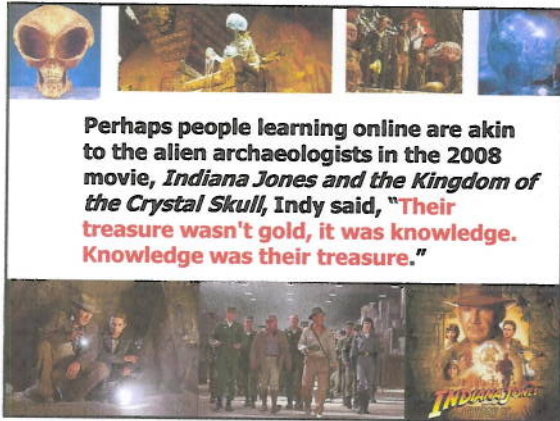
Her last blog entry Wednesday night said she had encountered heavy rough weather. "The wind is increasing the pitch up. It is back and forth 20 knots and I am expecting that by midnight tonight I could have 30-50 knots with gusts to 55 to 1 km off the ship before it washes onto me," she wrote on her blog.

Sunderland, who lives in Thousand Oaks, Calif., left

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

Discovery News


Archaeologist David Thomas, of La Trobe University, Australia, has discovered a new site in the Amazon rainforest. The site is a large, rectangular structure made of mud and stone. It is believed to be a pre-Columbian site. Thomas says the site is one of the largest and most complex pre-Columbian sites ever discovered in the Amazon. The site is located in the state of Mato Grosso, Brazil. It is about 100 miles from the nearest town. The site is a large, rectangular structure made of mud and stone. It is believed to be a pre-Columbian site. Thomas says the site is one of the largest and most complex pre-Columbian sites ever discovered in the Amazon. The site is located in the state of Mato Grosso, Brazil. It is about 100 miles from the nearest town.



Perhaps people learning online are akin to the alien archaeologists in the 2008 movie, *Indiana Jones and the Kingdom of the Crystal Skull*, Indy said, "Their treasure wasn't gold, it was knowledge. Knowledge was their treasure."

### 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!!!**



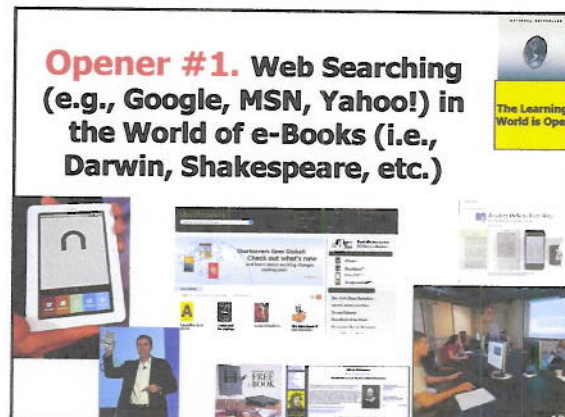

### Triple Learning Technology Convergence of "WE-ALL-LEARN"

1. **Pipes:** The availability of tools and infrastructure for learning.
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.


Yonsei University, Seoul, Korea

### 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 and now the Blio**  
 (a free e-book platform to run on any device)



**Seton Hill University, 2,100 students. All fulltime students get an iPad and Incoming freshmen will also receive a 13-inch MacBook laptop, April 2010.**

**An iPad for Everyone**  
 Seton Hill University will give a new Apple iPad to every full-time student in fall 2010.



**Does iPad have the magic to bring people together?**  
 Marco R. della Cava, USA TODAY, June 7, 2010

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**Does iPad have the magic to bring people together?**



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

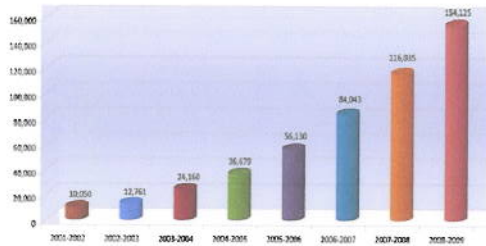
The Learning World is Open



**Letter from Bill Gates about online learning (January, 2010)**  
<http://www.gatesfoundation.org/annual-letter/2010/Pages/education-learning-online.aspx>



**Florida Virtual School, 71,000 unique students**  
 This is half credit completions, which means all included have successfully completed a half credit enrollment (June 2, 2010)



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



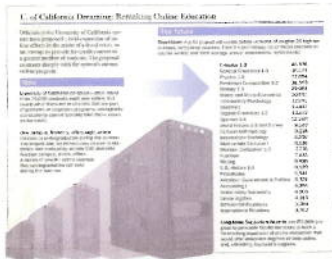
**Adora Svitak, age 12, World's Youngest Teacher**



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



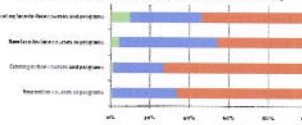
**U. Of California System Proposing Online Ed**  
 Chronicle of HE, May 14, 2010, Josh Keller and Marc Perry  
 "The university plans to spend about \$250,000 on each course. It hopes to raise the money from external sources like foundations or major donors."



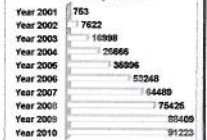
**TOTAL AND ONLINE ENROLLMENT IN DEGREE-GRANTING POSTSECONDARY INSTITUTIONS - FALL 2002 THROUGH FALL 2008**

Year	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	16,611,710	NA	1,602,070	NA	9.6%
Fall 2003	16,911,481	1.8%	1,971,397	23.0%	11.7%
Fall 2004	17,272,043	2.1%	2,349,783	18.2%	13.5%
Fall 2005	17,487,481	1.2%	3,180,050	36.5%	18.2%
Fall 2006	17,58,872	1.0%	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%

**IMPACT OF THE ECONOMY: CHANGES IN THE DEMAND FOR COURSES AND PROGRAMS - Fall 2009**




**Open U of Malaysia, March 25, 2010**



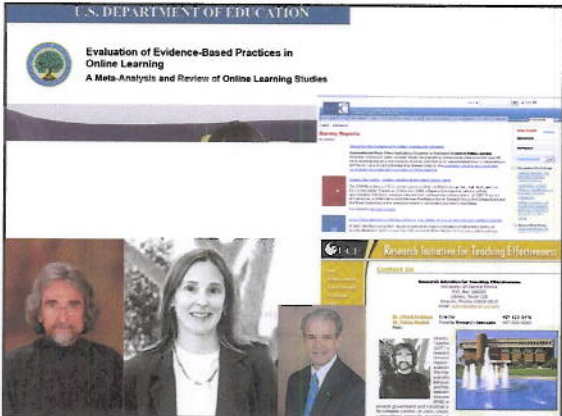
**Mexico's Monterrey Tech Pushes E-Learning, as Some Worry It Won't Solve Region's Burgeoning Need**  
 June 16, 2010, Chronicle of Higher Ed, Marion Lloyd

**"A decade ago, only one in 50 Mexicans had access to the Internet. Today that figure is one in four, a staggering cultural transformation that is fueling a boom in online degree programs in the country."**  
**Monterrey Institute of Technology and Higher Education...has allowed it to reach more than 35,000 new students**



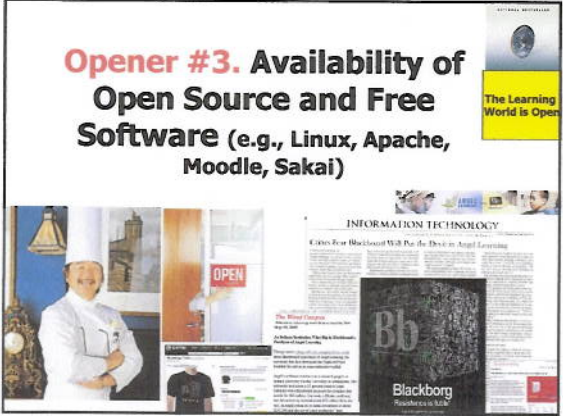
U.S. DEPARTMENT OF EDUCATION

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

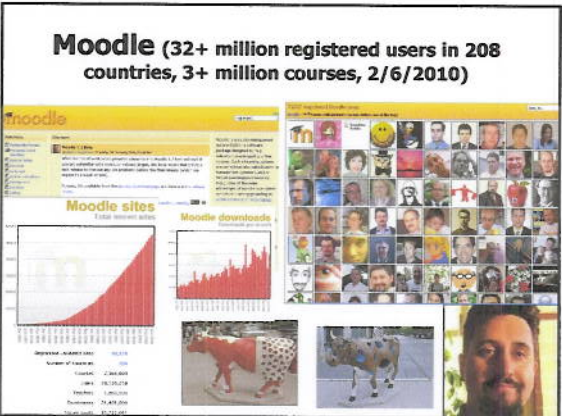


**Opener #3. Availability of Open Source and Free Software (e.g., Linux, Apache, Moodle, Sakai)**

The Learning World is Open



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



**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  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Etc. Traditional Textbooks

We Remix Open Textbooks!



**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: Opensource Opencourseware Prototype System  
The Foundation of Fantasy Culture and Arts

開放式課程計劃

### Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

Tufts OpenCourseWare

ICP200 Pathophysiology of Infectious Diseases, Fall 2004/2005

JOHNS HOPKINS OPEN COURSEWARE

JOHNS HOPKINS: The History of Public Health

### National Repository for Online Courses (NROC) Commons

COMMONS

JOHNS HOPKINS OPEN COURSEWARE

ICP200 Pathophysiology of Infectious Diseases, Fall 2004/2005

### 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

Israel: Entrepreneur Plans a Free Global University That Will Be Online Only

Technology Review

Israel starts 1st nation free online university

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

The Learning World is Open

A Single Group Helps Trigger an Online-Publishing Explosion

The Public Knowledge Project, a nonprofit group, estimates that the online-publishing software it offers free has given rise to more than 5,000 open-access academic journals around the world. Below is their geographic distribution, by continent, as of last month.

Continent	Count
North America	2,343
Europe	1,115
South America	1,517

### Elliott Masie, Learning Trends, March 2, 2010

**"The introduction of video into almost every aspect of our learning and work tasks is profound and "disrupting." As designers, we must experiment with these formats – looking for evidence and appropriate use cases and examples of when not to use video."**

**Video blogs, Webinars, Webcasts, capture conference keynotes, flipcams, etc.**



**How about rich video portals?  
Most of the Websites below did not exist 5  
or 10 years ago.**

1. BBC News Video and Audio
2. CNN.com Video
3. MSNBC.com
4. Google Video, Yahoo Video
5. Current TV
6. Fora TV
7. MIT World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explore, Global Pulse, Latin Pulse
11. Howcast, Big Think, WonderHowTo, Explo.TV, NASA TV, ClipChef, TV Lesson, BookTV, Edutopia videos, MonkeySee, doFlick, the Research Channel, iVideosong

**Link TV: Global Link of World  
Educators (GLOWE)**



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



**College 2.0: More Professors Could Share  
Lectures Online. But Should They?,  
Chronicle of HE, Jeffrey R. Young, March 7, 2010**

**"The latest Campus Computing Survey,  
which gathers data on classroom  
technology nationwide, found that 28  
percent of colleges have a strategic plan to  
provide coursecasting equipment, and 35  
percent more are working on a plan now."**



**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)**



### Human Brain Dissected Today in a Live Webcast, Chronicle of Higher Education, December 02, 2009, 01:00 PM ET

[http://chronicle.com/2009/12/02/Human-Brain-Dissected-Today-in/9053/?id=pm&utm\\_source=pm&utm\\_medium=en](http://chronicle.com/2009/12/02/Human-Brain-Dissected-Today-in/9053/?id=pm&utm_source=pm&utm_medium=en)

**THE CHRONICLE**  
of Higher Education

Thursday, December 3, 2009

HOME NEWS OPINION & IDEAS FACTS & FIGURES TOPICS

Faculty Administration Technology Community Colleges International Special Reports

**Tweed**  
Home News Tweed

December 02, 2009 01:00 PM ET

**Human Brain Dissected Today in a Live Webcast**

In 1962, Henry Dexter Molaison agreed to undergo experimental brain surgery in hopes of erasing the epileptic seizures and tics that had plagued him since age six. The neurosurgeon William Scoville, at Harvard Medical in Connecticut, removed not most of Molaison's hippocampus.

"The seizure largely stopped," writes Scott LaFee in the *New York Times*. "But so too did his ability to form new memories, though he could recall parts of his life before the surgery, a condition called *severe anterograde amnesia*."

### The Complete Works of Charles Darwin

*Charles Darwin*  
The Complete Works of Charles Darwin Online  
(Publications, Manuscripts, Documents & Credits) Search

Contributors and Acknowledgements

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 Dr. **Carolee Chelack**  
 Contributors of introductions:  
 Dr. Robert Bates

### 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 HISTORY OF HUMANITY**

**THE GREAT PLAGUE**

**THE GREAT FIRE**

**CHARLES DICKENS**

**ERASMUS DARWIN**

**MARY WOLLSTONECRAFT SHELLEY**

**ROBERT BROWNING**

**JOHN STUART MILL**

**RALPH WALDO EMERSON**

**ELIZABETH BARRETT BROWNING**

**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/8381425.stm>

**Audio slideshow: 350 years of discovery**

The world's oldest science academy, The Royal Society in London, is marking its 350th anniversary celebrations by making the online the most comprehensive archive of the world's scientific papers.

Original papers by Sir Isaac Newton, Sir Robert Boyle, and Benjamin Franklin are being made available online. The work of some of the most prominent scientists, such as the chemist John Dalton, and the physicist James Clerk Maxwell, are also being made available online.

**ACCOMPT**  
of the REVENUE, and Labours  
of the  
**INGENIOUS**  
IN MANY PARTS  
CONSIDERABLE

**350**

The Royal Society puts historic papers online

### 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**

**MERLOT**

**Connexions**

**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

**flatworld**  
KNOWLEDGE

A bit of me...

This is me...

The Learning World is Open

## Wikis: Wikipedia and Wikibooks

The image shows the Wikipedia homepage with various language options listed: English, Deutsch, Français, Nederlands, Español, Deutsch, Polski, Italiano, Português, and Pycckий. A globe is centered on the page, and there are two photographs of men, likely related to the Wikimedia Foundation.

## Conference to Conference (You Ustreamed my Ustream: Now that's a Twitter of an Idea)

The image shows a Ustream live stream interface with multiple video feeds. One feed shows a woman speaking, and another shows a man. The interface includes a chat window and various controls.

## Shared Online Video (e.g., YouTube and the Royal Channel)

The image shows a YouTube video player displaying a video from 'THE ROYAL CHANNEL'. The video title is 'The Queen visits Google London'. The video shows the Queen and Prince Charles at a Google event.

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

[http://current.com/items/77146082\\_african\\_school\\_dream](http://current.com/items/77146082_african_school_dream)

The image shows a Current TV live stream interface. The main video shows a school classroom with students. There are several smaller video thumbnails and a 'VOTED VIEWER-CREATED CONTENT' section.

## Participatory E-Books

The image is a collage of e-book covers. The most prominent one is 'THE FUTURE OF THE INTERNET AND HOW TO STOP IT' by Jonathan Zittrain. Other covers include 'OPENING UP EDUCATION' and 'The Wealth of Networks'.

## Scribd: Documents on Web

(<http://www.scribd.com/>; 50 million unique visitors per month, 10's of millions of documents, April 2010)

The image shows the Scribd website interface. It features a search bar, navigation links, and a section for 'Publish Yourself Online'. There is also a photograph of two men standing in front of a Scribd banner.

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

The Learning World is Open

## Flat Classrooms Project and Global Nomads Group

## Synchronous Conferencing Presentations

## 7 Tips for Building Collaborative Learning Spaces, Campus Technology, Matt Villano, June 2010

7 TIPS FOR BUILDING COLLABORATIVE LEARNING SPACES

Technology and design can work together to maximize the effectiveness of new learning environments. By Matt Villano

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

October 21, 2009

The Next Generation of Videoconferencing

Footage courtesy of USC Institute for Creative Technologies

Researchers at the University of Southern California and the University of Saint Chapel MIT are creating new tools that may soon let people attend videoconferencing

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

The Learning World is Open

## Second Life

(business, law, education, English, medicine)

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

The Learning  
World is Open

## 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/indiaconomytelecom](http://news.yahoo.com/s/afp/20090308/bs_afp/indiaconomytelecom)

## "A" is for App, Anya Kamenetz, Fast Company, April 2010

## OLPC, Marvell Join Forces, Announce sub-\$100 Tablet by December 2010

May 27th, 2010 by Mike Prospero

## Social Networking Gaming (e.g., Farmville)

For social networks, it's game on, USA Today, Jon Swartz, Thursday October 15, 2009

Force is with new GPS units

June 9, 2010

**TwitterPeek: Restricted to Twitter.**

**WikiReader: Updating can be a pain.**

### Museum of London's Streetmuseum App Puts Historic Photos in Perspective

Written by Chris Cameron, June 1, 2010

"Hundreds of images from the Museum of London's extensive collections showcase both everyday and momentous occasions in London's history, from the Great Fire of 1666 to the swinging sixties"

iPhone Screenshots

MUSEUM OF LONDON

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

The Learning World is Open

September 30, 2009  
the Samsung DualView TL225

### Some Papers Are Uploaded to Bangalore to Be Graded, Chronicle of Higher Education, April 4, 2010, Audrey Williams June

Lori Whisenant, who teaches business law and ethics at the U. of Houston, has outsourced the grading of students' papers to a private company.

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

**Growth of social networking sites**

Social networking site users (as a percentage of total internet population)

Month	Percentage
August '08	61.6%
August '09	77%

**SOCIAL NETWORKING**

Top social networking sites

Total unique visitors in August (5am-5pm, work, colleges)

Facebook.com	92.2 million
MySpace sites	64.2 million
Twitter.com	20.8 million
Orkut.com	17.4 million
Classmate.com sites	13.9 million
Bebo.com (part of list)	12.1 million
MyLife.com sites	11.4 million
Windows Live Profile	10.3 million

### 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 **Hotseat** for the professor and guest speakers are projected for all the students to see.

## Social Learning Unleashed

Chief Learning Officer, April 2010

Driving greater collaboration: **With 17,000 internal blogs and 53,000 employees on Social Blue**, IBM's version of Facebook, and **500,000 participants** in the company crowdsourcing jams, IBM's social media usage has become big business. As of 2008, IBM's jams identified **10 incubator businesses** with the potential of reaching \$100 million.



## 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



## Decisions for this Open Ed World?

- **Technology and Admin Folks:**
  - What do to about OER, open sources, E-books, mobile, etc.?
- **Instructor decisions:**
  - Act as Concierge, Counselor, Course facilitator, Credit manager?
- **Students decisions:**
  - Should I attend traditional university or create your own degree path?
  - How to report use of OER on resumes?



- 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](http://TrainingShare.com)  
Papers: [PublicationShare.com](http://PublicationShare.com)  
Book: <http://worldisopen.com/>

The World is Open.  
What happens then?

WE

ALL

LEARN!!!

