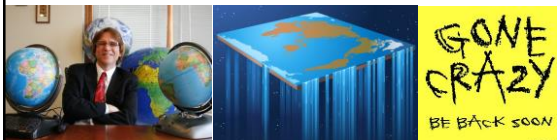


The Flat World Swung Open: How Web Technology Is Revolutionizing Education

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



Audience Poll #1: Has learning technology ever transformed your life.



1728: 1st correspondence course advertised Boston
(learn shorthand from Caleb Phillips thru weekly mailed lessons)

1728-1990s – Generally postal system based
1930s – phonograph and radio
1950s and 1960s – television
1970s and 1980s – VHS tapes
1980s and 1990s – DVD



February 26, 2013
**Tablets Rock On: Education Tech
Through The Ages, Information Week,
The First Correspondence Course**
(University of London, External Program, 1858)
<http://www.informationweek.com/education/leadership/educational-technology-across-the-ages/240149241>

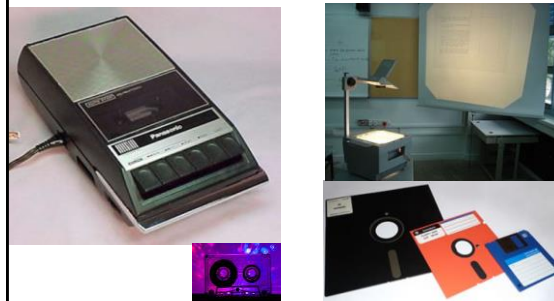


William Rainey Harper, first president of the
University of Chicago, developed the concept of
extended education. Research Univ. had satellite
colleges of education in the wider community.

In 1892, he also encouraged the concept of correspondence
school courses to further promote education, an idea that was
put into practice by Columbia University.



May 10, 2013
10 ed-tech tools of the 70s, 80s, and 90s
eSchool News, Meris Stansbury
<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



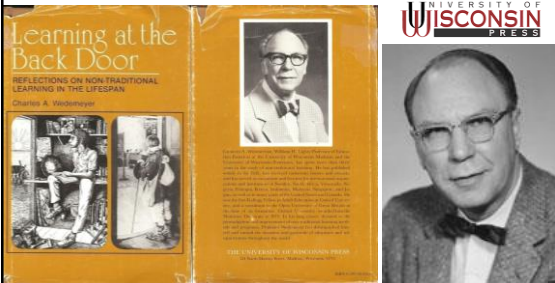
Looking to the Past...



Life as an accountant/CPA in a high tech company in the 1980s...



Took Correspondence & TV Courses (thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)



Knowledge Navigator (1987) Apple Computer

<http://www.youtube.com/watch?v=hb4Asf6wEoc>



Fast Forward 25+ Years... "Anyone can now learn anything from anyone at any time."



February 26, 2013 Free Tablets for Everyone?

<http://www.informationweek.com/education/leadership/educational-technology-across-the-ages/240149241>



Actually Technology is Almost Free...

DECCAN HERALD LABOR DAY SALE 50% ON A TIM

Monday 24 September 2012
www.deccanherald.com

Home | News | New Delhi | Business | Supplement | Sports | Entertainment

The truth about India's \$35 computer

By Praveen K. Rai

Here we go again! India's Human Resource Development Minister Kapil Sibal has "launched" a \$35 computer, evidently a "stream project" of his. The launch event, Union-based device looks (that's right, but we know little about how it works.



It emerged from a dilapidated project with a list of features adding up to \$47, a price that the minister needs to bring down to \$35 to have "forward inclusive education". It promises Internet and PDF reader, a 3.2G memory USB, Open Office, and multimedia content viewers and editors.

Will it die a quick death within this year, or is a parallel government-funded one over the road? I'll be watching.

DataWind Prepared \$20 Tablet Computer for Indian Market

Jan 30, 2013 4:15 AM EST

A Canada-based company believes it can revolutionize education in India by rolling out a \$20 tablet computer.

What can you buy for \$20? A lunch for two? A new shirt? A few groceries? For India's 220 million schoolchildren, \$20 may soon buy a tablet computer.



February 20, 2013 Star Trek-like holodeck may be closer to reality than you think

Matt Hartley, Financial Post, Canada

http://business.financialpost.com/2013/02/20/star-trek-like-holodeck-may-be-closer-to-reality-than-you-think/?_sa=0546-d98

Star Trek-like holodeck may be closer to reality than you think

MATT HARTLEY | LONDON BY PAUL

View from Matt Hartley | @mhartley



The Next Generation is Here!



May 20, 2013 The New Greatest Generation: Why Millennials will Save Us All, Time, Joel Stein

<http://www.time.com/time/magazine/article/0,9171,2143001,00.html>



November, 2012 Degrees of Difficulty, Time

<http://nation.time.com/2012/10/18/degrees-of-difficulty/>

Student debt loads are increasing

Percentage with debt

46%

1993

66%

2011

Average debt (2011 dollars)

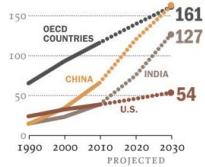
\$14,500

\$26,600

The default rate was 5.6% in 1999. In 2010 it was 9.1%

Having fewer degrees threatens our global competitiveness

People in the workforce with a college degree



September/October, 2012 The Siege of Academy

Washington Monthly, Kevin Carey

http://www.washingtonmonthly.com/magazine/septemberoctober_2012/franchise_01a_memo_00604_0059373.php?page=all

Washington Monthly

The Magazine | News | College Guide | About Us | Archives | Advertise

Free to Access | View Article

Features

September/October 2012

The Siege of Academe



**Learning is Changing
New Technologies =
New Delivery Methods...**



Audience Polls #2:

- I. Who remembers where they were when they found out that Steve Jobs passed away?**
- II. Who remembers what they were doing on the day that John F. Kennedy was shot?**
- III. Who remembers what they were doing on 911?**
- IV. Who remembers what they were doing on 441?**



Charles Vest (April 4, 2001)

<http://web.mit.edu/newsoffice/2001/ocw.html>

"This is about something bigger than MIT. I hope other universities will see us as educational leaders in this arena, and we very much hope that OpenCourseWare will draw other universities to do the same. We would be delighted if -- over time -- we have a world wide web of knowledge that raises the quality of learning -- and ultimately, the quality of life -- around the globe."



OCW Circuits and Electronics

<http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-002-circuits-and-electronics-spring-2007/>



I. Learning is More Open

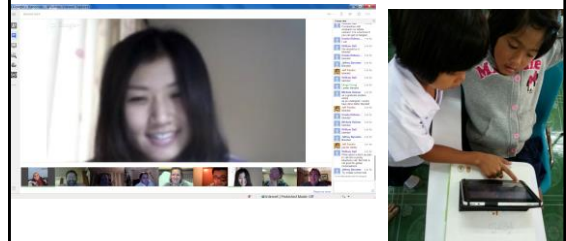
(80-Year-Old WGU Texas Grad Keeps His Promise, November 30, 2012, Reeve Hamilton, Texas Tribune)

THE TEXAS TRIBUNE
An 80-Year-Old Graduate With an Online Marketing Degree Kept His Promise



II. Learning also is More Collaborative

**Collaboration and Discussion in Google Hangouts or with iPad, Jan. 28, 2013
(Carrie Gong from Beijing Normal University)**



III. Learning is More Mobile

Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

	Beijing 2008	London 2012
Smartphones	139.3 million	657 million
Facebook	90 million	901 million
Twitter	< 1 million	300 million
Tweets / day	1.1 million	140 million
Tablets	0	54.8 million
App store downloads	300+ million	25+ billion

Sources: Nielsen, eMarketer, Forrester, Apple



IV. Learning is More Video-Based

Adora Svitak, WFP Youth Representative - 2013 ECOSOC Youth Forum, March 27, 2013



V. Learning is More Social

Facebook reaches one billion users, CNN Money, Aaron Smith, October 4, 2012



VI. Learning is More Personal

iPotty Aims To Entertain Toddlers During Toilet Training, Mashable, Kate Freeman (January 10, 2013)

<http://mashable.com/2013/01/10/ipotty/>



VII. Learning is More Modifiable

Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013

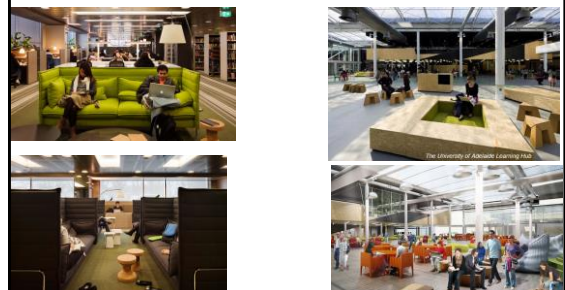
<http://www.universitybusiness.com/article/inside-look-learning-spaces>



VIII. Learning is More Comfortable

Design for Students, with Students, "Hub Central", the \$42 million University of Adelaide learning hub opened in October 2011, May 8, 2012, Mike Roberts

<http://designbuildsource.com.au/design-for-students-with-students>

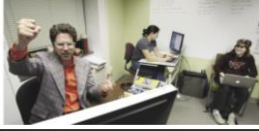


IX. Learning is More Massive April 16, 2013 (NovoEd)

New MOOC Provider Says It Fosters Peer Interaction
Chronicle of Higher Education, Jake New
<http://www.chronicle.com>

April 16, 2013

'Supersizing' the College Classroom: How One Instructor Teaches 2,670 Students



NovoED

Learn. Collaborate. Innovate.



Stanford ONLINE

Designing A New Learning Environment

Stanford University

Stanford University

Stanford University



January 23, 2013: The Bush MOOC Party? Academic Partnerships Launches MOOC2Degree Initiative

Free, Open Online Courses As A First Step Toward A Degree
<http://www.mooc2degree.com/>

MOOC2DEGREE™

ABOUT US | PRESS ROOM | CONTACT US



Free, Open Online Courses As A First Step Toward A Degree

MOOC2Degree can help you achieve your academic goals, giving you the opportunity to try online learning for free. Academic Partnerships is collaborating with many of its 60 public university partners to launch the MOOC2Degree initiative which provides you with free, open online courses that lead to a degree credit as a first step toward your degree.



PROGRESSIVE
BULL MOOSE
PARTY



BULL MOOSE
PARTY



October 1, 2012: MOOC Students 4 Massive Open Online Courses and How They Work, Ben Gose, Chronicle of HE

<http://chronicle.com/blogs/techtherapy/2012/10/01/episode-99-what-wearable-computers-could-mean-for-campuses/>



Krissa Swain, of Knoxville, Tenn., is taking "Operations Management" online to help develop her management skills.



Rajeev Bajpai, an airline pilot based in Mumbai, took an online computer-science course to gain programming skills.

October 27, 2012

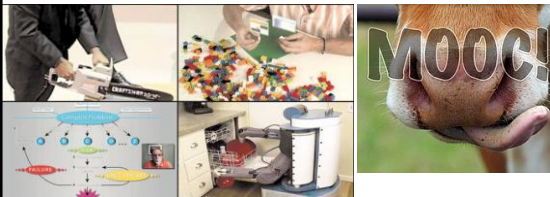
Travel for Office Hours

Chuck Severance, (U Michigan/Coursera) in Barcelona
<http://www.youtube.com/watch?v=3zNHvmsv8TI>



November 2, 2012 The Year of the MOOC, New York Times, Laura Pappano,

http://www.nytimes.com/2012/11/04/education/online/massive-open-online-courses-are-multiplying-at-a-rapid-pace.html?_r=1&hp



Clockwise, from top left: an online course in circuits and electronics with an M.I.T. professor (edX); statistics, Stanford (Udacity); machine learning, Stanford (Coursera); organic chemistry, University of Illinois, Urbana (Coursera).

April 20, 2013 Two Cheers for Web U! A. J. Jacobs, New York Times

http://www.nytimes.com/2013/04/21/opinion/a-j-jacobs-weighing-the-massive-advantages.html?pagewanted=all&_r=1&mc_cid=418

OPINION

Two Cheers for Web U!



May 6, 2013

**Faculty Backlash Grows Against Online Partnerships
Chronicle of Higher Education, Steve Kolowich**

<http://chronicle.com/article/Faculty-Backlash-Grows-Against/139049/>

Comments (89)

May 6, 2013
Faculty Backlash Grows Against Online Partnerships



Michael Sandel, a Harvard professor, taught an online course that San Jose State U. asked its philosophy professors to use in place of their own instruction. They said no.

By Steve Kolowich

June 19, 2013

**2013 is "The Year of the Anti-MOOC"
George Siemens, UW-Madison Summit**

<http://globalhighered.wordpress.com/european-mooc-in-global-context/>

European MOOCs in Global Context

Workshop

20-22 JUNE 2013 | IN MADISON | EDUCATION HOUSE

CO-CHAIRING LECTURE: EUROPEAN MOOCs & THEIR GLOBAL IMPACT

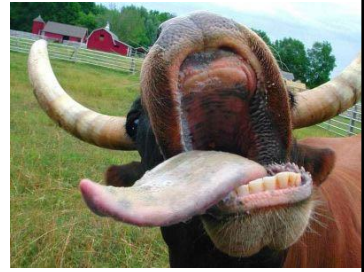
George Siemens

Workshop 19 June 2013 9:00-12:00 am

Workshop 20 June 2013 9:00-12:00 am

Workshop 21 June 2013 9:00-12:00 am

Workshop 22 June 2013 9:00-12:00 am



August 8, 2013

**The MOOC 'Revolution' May Not Be as Disruptive as Some Had Imagined
Steve Kolowich, Chronicle of Higher Ed**

http://chronicle.com/article/MOOCs-May-Not-Be-So-Disruptive/140965/2?id=at&utm_source=at&utm_medium=en

August 8, 2013

The MOOC 'Revolution' May Not Be as Disruptive as Some Had Imagined

By Steve Kolowich



"A median where only self-motivated, high-achieving people sign up, and the success rate is 10 percent, doesn't shake me quite yet as a solution to the problems of higher education," says Sebastian Thrun, of Udacity.

In California, the MOOC revolution came to a halt unceremoniously.

Sen. Darrell Steinberg, the leader of the State Senate, quietly decided to put his online-education bill on the back burner last month. The bill, introduced with fanfare in March, originally aimed to push public universities

August 19, 2013

**Feminist Anti-MOOC
Scott Jaschik, Inside Higher Ed**

<http://www.insidehighered.com/news/2013/08/19/feminist-professors-create-alternative-moocs>

News TOPICS TEACHING AND LEARNING

Feminist Anti-MOOC

August 19, 2013
by Scott Jaschik

At first glance, "Feminism and Technology" sounds like another massive open online open course. The course will involve video components, and will be available online to anyone, with no charge. There are paths to credit, and it's fine for students to take the course without seeking credit. An international student body is expected.

But don't look for this course in any MOOC catalog. "Feminism and Technology" is trying to take a few MOOC elements, but then to change them in ways consistent with feminist pedagogy to create a distributed open collaborative course or DOCC (pronounced "dock").

Essay on what MOOCs are missing to truly transform higher education

Essay on a contradiction facing MOOCs and their

X. Learning is More Ubiquitous

Flexible displays bend what's possible for computers,
Jon Swartz, USA Today (May 4, 2012)



XI. Learning is More Instantaneous

April 9, 2013

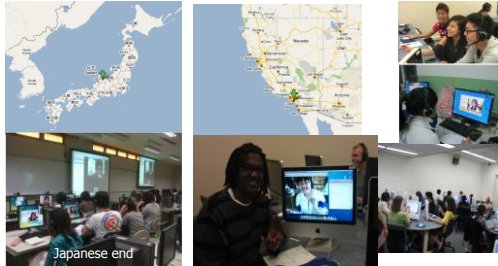
HER Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.fiercebiotech.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



XII. Learning is More Global UC Irvine (2013 report)

Example 3: Fundamentals of Japanese

Dr. Hideomi Riggs, Fall 2012 & Winter 2013, Tech-enhanced: [EEE AdvancedWabooze \(Dreamweaver\)](#),
[Skype](#) video conferencing tool, [Active Learning](#), Format: 5 - 1A lectures (24 students maximum); 3 - 2A lectures (24 students maximum); 2 - 3A lectures (24 students maximum)



Japanese end

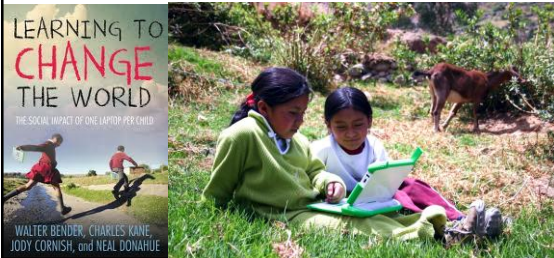
February 22, 2013 NASA's spacey Google+ Hangout shows off zero-G antics – and cats!

http://comcast.abcnews.com/_news/2013/02/22/13507588-nasa-spacey-google-hangout-shows-off-zero-g-antics-and-cats/



Learning is Changing the World (Book Review: Ed Tech Mag, May-June 2013)

Walter Bender, Charles Kane, Jody Cornish, and Neal Donahue (2012). *Learning to Change the World: The Social Impact of One Laptop Per Child*. NY: Palgrave Macmillan.



April 15, 2013 World will soon be "Webified" Google boss: Entire world will be online by 2020, Doug Gross, CNN

http://www.cnn.com/2013/04/15/tech/web/eric.schmidt:internet/index.html?hpt=hp_13



Google Wi-Fi from the Sky, Steven Levy, pp. 126-131, Wired, September 2013

<http://www.wired.com/gadgetlab/2013/08/googlex-project-loon/>



Google X chief Astro Teller (left) and Project Loon's first leader, Rich DeVaul, holding the system's ground-based antennas.

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!

The Web of Learning



Blogging Field Archeology Research (e.g., Lily Henry Roberts, UCLA digging in Hope, BC, Stó:lō First Nation people from 12,000 years ago)



Virtual High School Learning by Boat (e.g., Bridey Fennell and her family sailing and learning in the Caribbean)



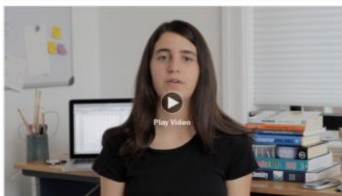
It is very open! (at least in Norway & the Philippines)



Why I spent 10th grade online. Sophia Pink, Washington Post, August 23, 2013

<http://www.washingtonpost.com/entertainment/why-i-spent-10th-grade-online/2013/08/22/?hpid=hp%3Aentertainment%3Ahomepage%2Fstory&hpid=hp%3Aentertainment%3Ahomepage%2Fstory>

Why I spent 10th grade online



Video: Sophia Pink describes how she finished 10th grade online and why she's choosing to go back to the classroom.

By Sophia Pink, Published: August 22. [Email the writer](#)



Honk If You Love Someone, Sophia Pink, January 1, 2013

<http://www.youtube.com/watch?v=1DwY1Zmk82xo&feature=youtu.be>



Honk If You Love Someone

Sophia Pink

53,625

Published on Jan 1, 2013

Are You Feeling Sleepy?, Sophia Pink, April 30, 2013

https://www.youtube.com/watch?v=950TLoFg_38&feature=youtu.be



We are entering a jumping off point...



Framework #1: 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!

WE

ALL

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.



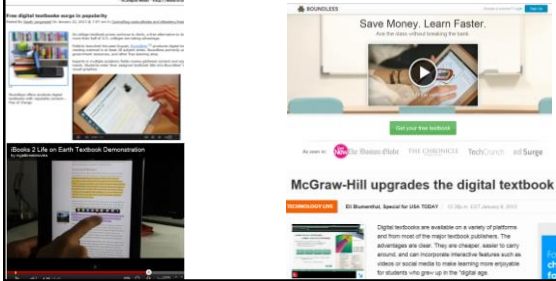
Opener #1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)



January 22, 2013

Free digital textbooks surge in popularity, Sarah Langmead, Assistant Editor, eCampus News,

<http://www.ecampusnews.com/featured/featured-on-ecampus-news/free-digital-textbooks-surge-in-popularity/>



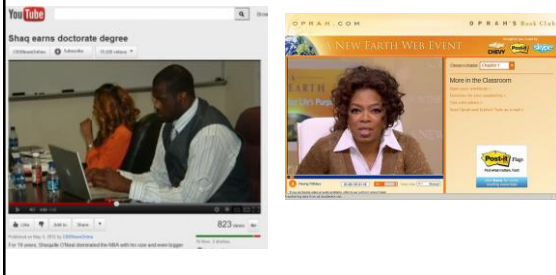
OpenStax College

(OpenStax College offers students free textbooks that meet scope and sequence requirements for most courses. These are peer-reviewed texts written by professional content developers.)

<http://openstaxcollege.org/>



Opener #2. E-Learning and Blended Learning



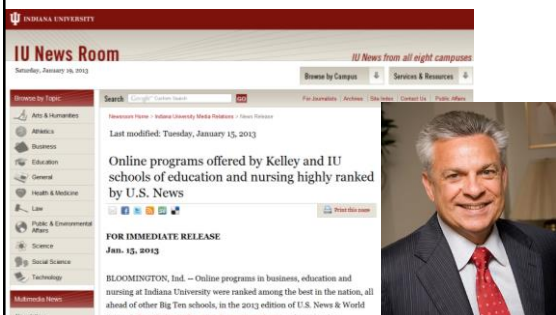
E LEARNING



January 15, 2013

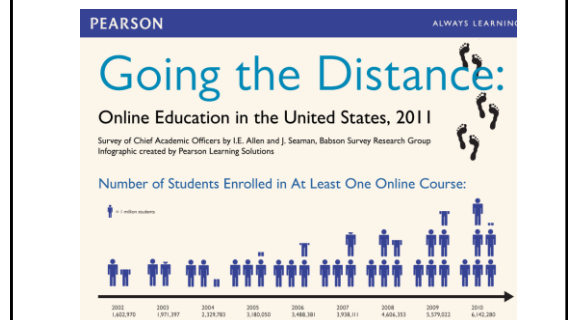
Online programs offered by Kelley and IU schools of education and nursing highly ranked by U.S. News, IU News Room

<http://newsinfo.iu.edu/news/page/normal/23687.html>



More than six million post-secondary students are taking online classes in the USA; growing by 10% per year.

http://sloanconsortium.org/publications/survey/going_distance_2011



August 5, 2013
Free Online Higher Education: 5 Best MOOCs
 By **Kannan Sankaran, Epoch Times**
<http://www.theepochtimes.com/n3/229640-5-best-moocs-for-free-online-higher-education/>
 MOOC at UPenn; Recession Fuels Explosion of Online Learning
<http://www.youtube.com/watch?v=52rFIM40I5w>

August 18, 2013
Virtual U: Master's Degree Is New Frontier of Study Online
 Tamar Lewin, The New York Times
http://www.nytimes.com/2013/08/18/education/masters-degree-is-new-frontier-of-study-online.html?_r=0

August 19, 2013
Entrepreneurship Curriculum
 NovoEd, Amin Saberi
<https://novoed.com/courses/entrepreneurship>

Opener #3. Availability of Open Source and Free Software Moodle
 (July 18, 2013: 72 million users in 237 countries, 84,518 sites, 7.6 million courses)

Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from Harvard Edx, MITx, CORE, OOPS)

OOPS OOPS
 Opensource Opensourceware Prototype System
 開放式課程計劃
www.twocou.net
www.oops.net

Saylor.org
<http://www.saylor.org/>
RedHoop
<http://redhoop.org/>

February 16, 2012

Online Badges and Certifications from OER University of Illinois at Springfield, Ray Schroeder <https://sites.google.com/site/opencontinuinged/>

Badges and other alternative certifications

Some sample badges:



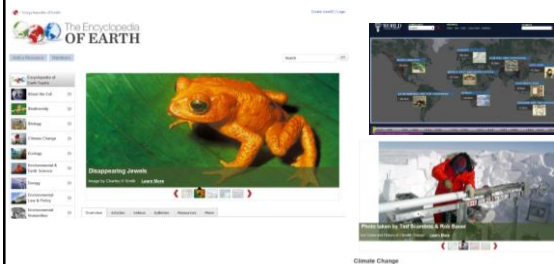
How Will Mozilla's Open Badges Project Affect Higher Ed? by Audrey Walters, Hack [Higher] Education - Inside Higher Ed
The Open Badges Project is a recognition that "learning looks very different today than traditionally imagined. Legitimate and interest-driven learning occurs through a multitude of channels outside of formal education, and yet much of that learning does not "count" in today's world. There is to demonstrate that learning and transfer it across contexts or use it for real results," Mozilla's Eric Knight told me in an interview for [TEDxUIC](#).

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

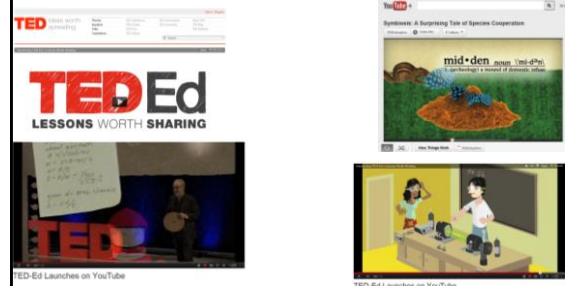
<http://www.deadseascrolls.org/#explore-the-archive>
http://www.deadseascrolls.org/#explore-the-archive?search=ra-site_en%20Qumran_Cave_4
<http://www.deadseascrolls.org/#home>



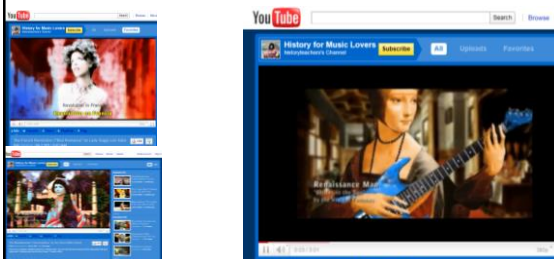
Online Encyclopedias (e.g, the Encyclopedia of Earth: <http://www.eoearth.org/>) http://en.wikipedia.org/wiki/Encyclopedia_of_Earth



Educational Videos: TED-Ed <http://education.ted.com/>



History for Music Lovers, Washington Post The French Revolution ("Bad Romance" by Lady Gaga) Trojan Way ("Tainted Love" by Soft Cell) Charlemagne ("Call Me" by Blondie) <http://www.youtube.com/user/historyteachers?blend=6&ob=5&pr/r2/kJULC0jsgdA>



October 2010, The V-PORTAL (Bonk, IU) "Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos) <http://www.youtube.com/user/TravelinEdMan>

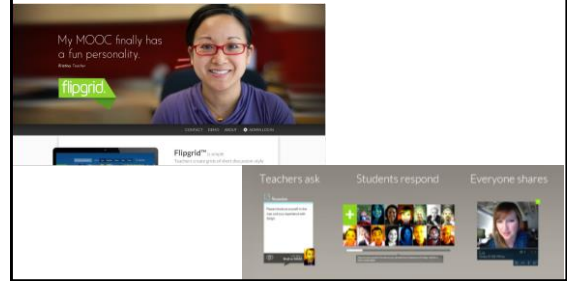


Opener #6. Learner Participation in Open Information Communities
(e.g., Slashdot, Digg, Wikipedia, YouTube)



Flipgrid (video discussions)

<http://flipgrid.com/info/>



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

Soliya Connect

<http://gli.georgetown.edu/#soliya>

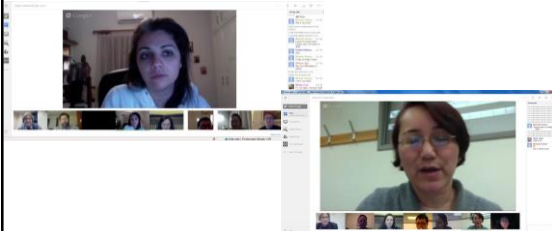


February 26, 2013
Tablets Rock On: Education Tech Through The Ages, Information Week

<http://www.informationweek.com/education/leadership/educational-technology-across-the-ages/240149241>



Google Hangouts
Class Sync Collaboration and Discussion
(Spring, 2013)



April 15, 2013

Guest Speakers

Sara de Freitas and Jim Hensman (<https://connect.iu.edu/p2ie1yx6z6x/>)
Jay Cross (<https://connect.iu.edu/p4bytsorcnh/>)



Combining Asynchronous and Synchronous Events (flipping classes)



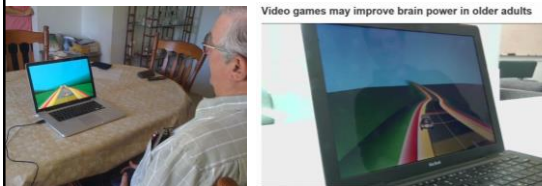
Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)



September 5, 2013

Video games may improve brain power in older adults

<http://www.usatoday.com/story/news/nation/2013/09/04/video-games-brain-power-dementia/2762523/>

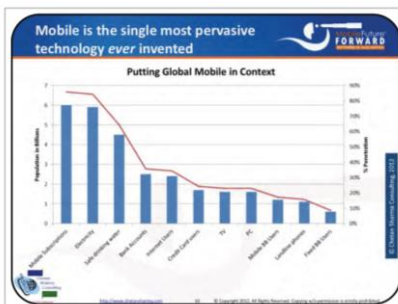


Opener #9. Real-Time Mobility and Portability (e.g., iPhone, low cost wireless devices)

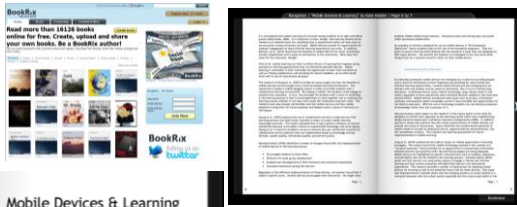
60,000 earthlings/hour get mobile



Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

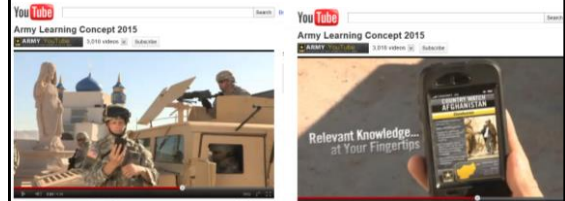


Uploading Mobile Books (e.g., BookRix, <http://www.bookrix.com/>)



Mobile Devices & Learning
How mobile devices are re-shaping the field of education
by Ken Bricker

Military Mobile Learning (See: the U.S. Army Learning Concept for 2015). <http://www.youtube.com/watch?v=KD9NGAV3-3k> (4:26 minutes)



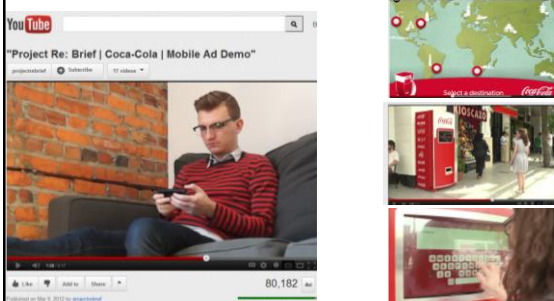
Mobile Video Connections to Experts and Friends



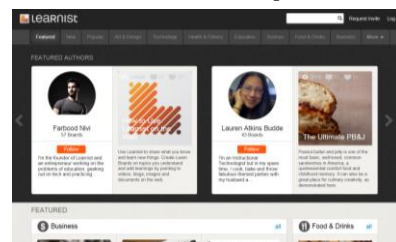
Expert Access from Our Watches



Smartphones and Mobile Learning.



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



September 4, 2013
First impression: Galaxy Gear - welcome to wearable computing, USA Today, Edward Baig,

<http://www.usatoday.com/story/tech/innovation/2013/09/04/first-impression-galaxy-gear-welcome-to-wearable-computing>



The Samsung Galaxy Gear smartwatch



December 16, 2010
Introducing Word Lens

<http://www.youtube.com/watch?v=h2OfQdYrHRs>



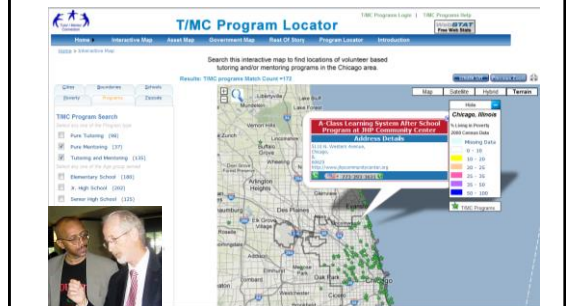
May 22, 2013
Video Walls of Experts (IQ Wall)
Indiana University unveils high-tech classroom
The Herald-Times, Mike Leonard

<http://www.indianaconsumerquest.net/main.asp?sectionID=313&SubSectionID=338&ArticleID=6990>



June 3, 2012
Tutor/Mentor Connection (Chicago)

<http://www.tutormentorprogramlocator.net/InteractiveMap.aspx>



September 5, 2013
Do you really want personalized feedback???

<http://www.usatoday.com/story/news/nation/2013/09/04/video-games-brain-power-dementia/2263523/>

Video games may improve brain power in older adults



Wait, we are not done yet!



What about the Instructor in the Open World?



Ashley is a steamroller



1. Instructor as Credit Manager



2. Instructor as Camp Commander



3. Instructor as Court Room Judge



4. Instructor as Cat Herder

<http://www.youtube.com/watch?v=PkZyqITMvp8>



5. Instructor as Casino Operator



6. Instructor as Counselor



7. Instructor as Consultant



8. Instructor as Conductor



9. Instructor as Course Ambassador



10. Instructor as Curator



11. Instructor as Concierge



12. Instructor as Camping Trip Guide



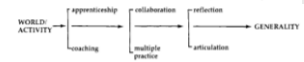
13. Instructor as Cultivator



Instruction as a Cognitive Apprenticeship



FIGURE 3
Students' Progress from Embedded Activity to Generality



Finally... Decisions for this Open Ed World:

- **Technology & Administrator Decisions:**
 - What do to about OER, open source, E-books, mobile, etc.?
- **Instructional Designer & Trainer decisions:**
 - Act as Concierge, Counselor, Course facilitator, Credit manager?
- **Formal Learner & Informal Lrnr decisions:**
 - Should I attend traditional university or create your own degree path?
 - How to report use of OER on resumes?

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: <http://worldisopen.com/>



WE

ALL

LEARN!!!



OOPS
Open Online Platform System
開放式學習系統

