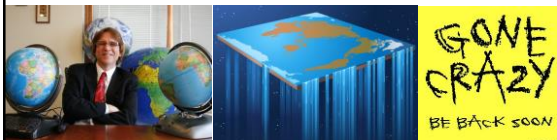


The Flat World Swung Open: How Web Technology Is Revolutionizing Education

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>

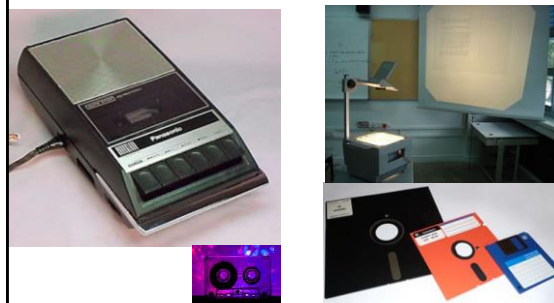


William Rainey Harper, first president of the
University of Chicago, developed the concept of
extended education. Research Univ. had satellite
colleges of education in the wider community.

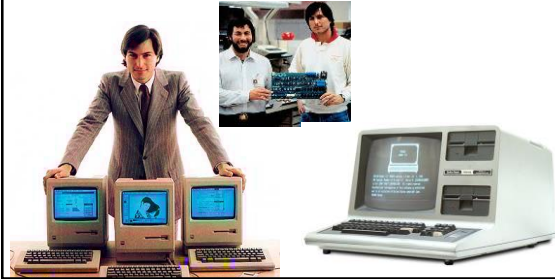
In 1892, he also encouraged the concept of correspondence
school courses to further promote education, an idea that was
put into practice by Columbia University.



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/>



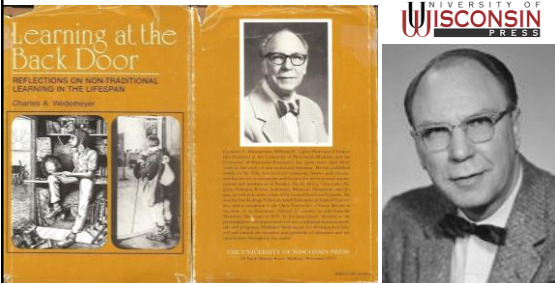
Looking to the Past...



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

Friday 4th September 2012
www.deccanherald.com Updated at 2:19 AM IST

Home | News | New Delhi | Business | Supplement | Sports | Entertainment
It's time to learn... | Smartphone ends last night drought in US | Open... | Politics | Africa

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 iPad-inspired, but we know little about how it works.

It emerged from a dilapidated project with a lot of national waiting 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, 8 GB memory, USB, Open Office, and multimedia content viewers and editors.

Will it do a quick death within this year or a painful government-funded one over the road? I had

DataWind Prepared \$20 Tablet Computer for Indian Market

Jan 30, 2013 6:15 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.




June 19, 2013 More data storage? Here's how to fit 1,000 terabytes on a DVD, The Conversation

<http://theconversation.com/more-data-storage-heres-how-to-fit-1-000-terabytes-on-a-dvd-15306>

More data storage? Here's how to fit 1,000 terabytes on a DVD

19 June 2013, 10:56 AM EDT



The rise in a world where digital information is exploding. Some 90% of the world's data

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/?_ga=546-d86f

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

READY REARLY: CHANCE TO PLAY? from Star Trek: @StarTrek




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>

TIME ME ME ME GENERATION

THE NEW GREATEST GENERATION
WHY MILLENNIALS WILL SAVE US ALL



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

Prehistoric Googling




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/>

OER Commons

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

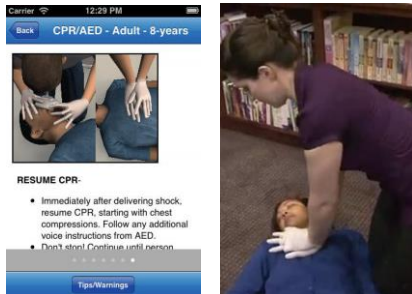
I. Learning is More Open

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

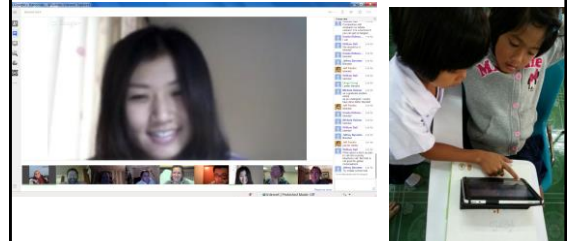
II. Learning is More Online

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

Blended or Fully Online?



III. Learning is More Collaborative Collaboration and Discussion in Google Hangouts or with iPad, Jan. 28, 2013 (Carrie Gong from Beijing Normal University)



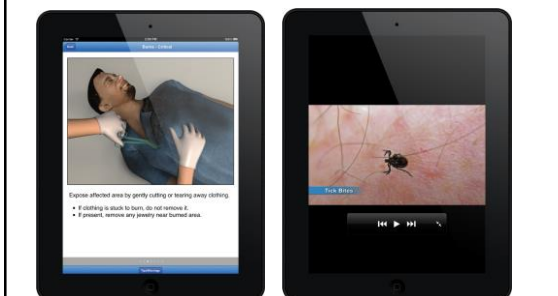
IV. Learning is More Mobile Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012



V. Learning is More Video-Based Adora Svitak, WFP Youth Representative - 2013 ECOSOC Youth Forum, March 27, 2013 CPR saves a young boy's life, May 24, 2012, Kristine Rice <http://www.hcl.com/Blog/3663580/CPR-saves-a-young-boys-life>



Safety and Health Videos



VI. Learning is More Social Facebook reaches one billion users, CNN Money, Aaron Smith, October 4, 2012



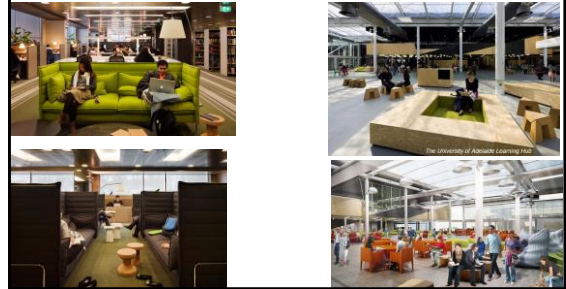
VII. Learning is More Modifiable

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

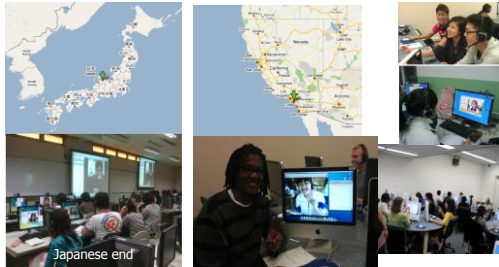
Design for Students, with Students, "Hub Central", the \$42 million University of Adelaide learning hub opened in October 2011, May 8, 2012, Mike Roberts
<http://designbuildsource.com.au/design-for-students-with-students>



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

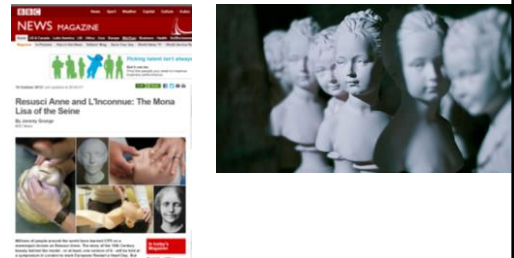
Example 3: Fundamentals of Japanese

Dr. Hidemi Riggs, Fall 2012 & Winter 2013, Tech-enhanced: [IEEE AdvancedWebSpace \(Doomswayer\)](#), Skype video conferencing tool, Active Learning, Format: 5 - 12a lectures (24 students maximum); 3 - 2a lectures (24 students maximum); 2 - 3A lectures (24 students maximum)



Learning is More Global...

Resusci Anne and L'Inconnue: The Mona Lisa of the Seine, October 15, 2013, BBC News, Jeremy Grange



X. Learning is More Instantaneous

April 9, 2013

HER Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today
<http://www.usatoday.com/story/tech/2013/04/09/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>
 (i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.fiercehealthcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



XI. 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/>



Bill Gates' classroom of the future

Gates: How to make digital classrooms work

XII. Learning is More Ubiquitous

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

Sony SmartWatch

XIII. Learning is More Massive

April 16, 2013 (NovoEd)

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

April 16, 2013
"Super-sizing" the College Classroom: How One Instructor Teaches 2,670 Students

NovoED
Learn. Collaborate. Innovate.

Stanford ONLINE
Designing A New Learning Environment

MOOCs on Safety

<http://www.mooc-list.com/tags/safety>
<https://www.coursera.org/course/healthcaresafety>

COURSERA

THE SCIENCE OF SAFETY IN HEALTHCARE

Dr. Cheryl Goodspeed, Minneapolis, MN, MPH, PhD, FAHA and Dr. Peter J. Pronovost, MD, PhD, FCCM

This course will introduce the basic principles of the science of safety in healthcare. Course content will include an overview of the healthcare delivery system, including human error as well as the healthcare environment in general.

MOOC List

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-computer-could-mean-for-campus/>

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.

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 for an online learning for Free. Academic Partnerships is collaborating with many of its 40 public-private partners to launch the MOOC2Degree initiative which provides you with free, open online courses that lead to academic credit as a first step toward your degree.

PROGRESSIVE BULL MOOSE PARTY

BULL MOOSE PARTY

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

http://www.nytimes.com/2012/11/04/education/edlife/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).

June 19, 2013
2013 is "The Year of the Anti-MOOC"
George Siemens, UW-Madison Summit

<http://globalhighered.wordpress.com/european-mooc-is-global-content/>



Max 6, 2013
 Faculty Backlash Grows Against Online Partnerships
 Michael Sautel, a Harvard professor, taught an online course that Sam Jans-Stein II, asked his philosophy professors to use in place of their own instruction. They said no.
 By Steve Kolowich

February 24, 2013
Big (MOOC) Data, Inside Higher Education,
Dayna Catropa

<http://www.insidehighered.com/blogs/strateday/big-mooc-data>

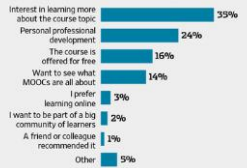


October 8, 2013
An Early Report Card on Massive Open
Online Courses, Geoffrey A. Fowler, WSJ Online

http://online.wsj.com/article/SB10001424027932637296645799349884738972.html?mod=product_20MOOC&mod=PRNT%26articleTab%26introduction
http://online.wsj.com/article/SB10001424027932637296645799349884738972.html?mod=product_20MOOC&mod=PRNT%26articleTab%26introduction

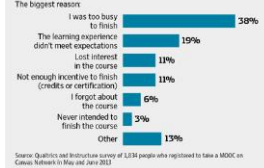
Signing On

Surveyed students said their main reason for taking a course was:



Logging Off

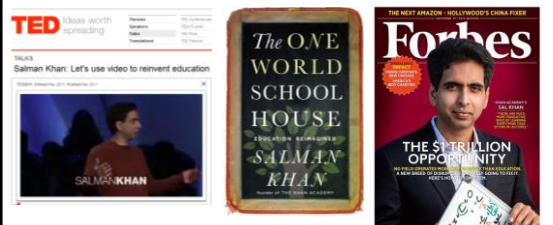
Forty-four percent of those surveyed said they didn't finish their course. The biggest reasons:



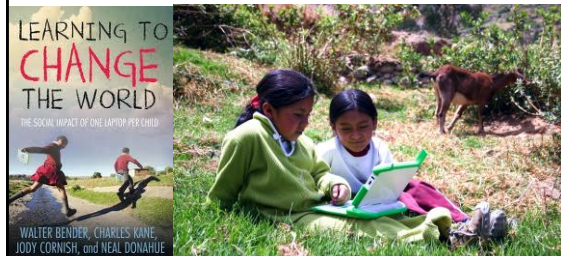
Source: Quantic and Instruction survey of 1,274 people who registered to take a MOOC in Canvas Network in May and June 2013.



XIV. Learning is More Flipped
One Man, One Computer, 10 Million Students:
How Khan Academy Is Reinventing Education,
Forbes, November 19, 2013, Michael Noer
<http://www.forbes.com/sites/michaelnoer/2013/11/19/one-man-one-computer-10-million-students-how-khan-academy-is-reinventing-education/>
The One World Schoolhouse (Twelve, Oct. 2, 2012)



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

http://www.nytimes.com/2013/04/21/opinion/jacobs-praising-the-mass-availability-of-education.html?_r=3&mc=cta1&_r=3&mc=cta1&

Two Cheers for Web U!



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 boss: Entire world will be online by 2020



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



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



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.)



Digital Textbooks



McGraw-Hill upgrades the digital textbook

© 2010 McGraw-Hill Education. All rights reserved.

Digital textbooks are available on a variety of platforms and from most of the major textbook publishers. The advantages are clear: They are cheaper, easier to carry around, and can incorporate interactive features such as online social media to make learning more enjoyable for students who grow up in the "digital age."

E-Books on First Aid and CPR

<http://www.e-booksdirectory.com/details.php?ebook=1546>

The screenshot shows a search result for 'First Aid' on an e-book directory. It features a 'DOWNLOAD ON OUR SITE' button, a 'FULL VERSION' button, and a 'LOOK UP THIS TITLE' button. Below the buttons, there are images of e-books and a video player. The video player shows a person performing CPR on a mannequin. The text below the video reads: 'ACCP First Aid Manual. Publisher: DE AGRA, J.J. ISBN: 0768618191 (published 2004) (file type: PDF) (225 pages) (13 MB). The American College of Emergency Physicians has credited an excellent and comprehensive text and manual with treatment and technique expertise. Also to this end, detailed sets, hundreds of photographs to show how to perform from correctly. Featuring important life saving procedures, including rescue breathing, cardiopulmonary resuscitation, treatment for a blocked artery, and other life threatening situations, this book also provides detailed anatomical illustrations and offers treatments for people of any age in any situation.'

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.)

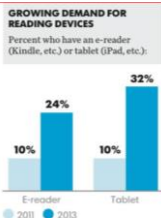
<http://openstaxcollege.org/>

The screenshot shows the OpenStax College website. At the top, it says 'openstax COLLEGE Access. The Future of Education.' Below that, there are logos for 'RICE' and 'RICE'. The main content area features a video player with a laptop displaying a textbook page. The text on the laptop screen reads: 'And one more... SIMPLE ECONOMICS... ADAPT... OR RECOMMEND TEXTS TO OTHER STUDENTS FOR TODAY'S STUDENTS'. Below the video player, there is a 'GOAL' section with the text: 'PROVIDE LOW-COST TEXTBOOKS'. At the bottom, there is a small text block: 'It's innovation in education. And this time it's right. 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. Adopt a book today for a hands-on classroom solution or search for a book that meets your needs. OpenStax College is a not-for-profit organization.' The video player has a play button and a progress bar.

October 7, 2013

Reading habits rapidly going digital, USA Today, Bob Minzesheimer

<http://www.usatoday.com/story/life/books/2013/10/06/e-books-reading/2877471/>



David Delk, his wife Ruthie and son Kyle are all avid fans of e-readers. They each use multiple electronic devices like iPads, Kindles and iPhones.

Source: 2013 Pew Research Center poll, 2013 USA TODAY/Bookline poll of 839 e-reader or tablet owners by Princeton Survey Research Aug. 18-19, 2013.

Opener #2. E-Learning and Blended Learning

The screenshot shows a YouTube video player with the title 'Shaq earns doctorate degree'. The video shows a man in a white shirt and vest sitting at a desk with a laptop. To the right of the video player is a website for 'NEW EARTH WEB EVENT' featuring a woman's portrait and the text 'More in the Classroom'. The YouTube player shows 823 views and a play button.

First Aid CPR Courses Online

The screenshot shows a mobile app interface for 'MEDIC First Aid'. The app has a blue header with the text 'MEDIC First Aid' and a 'Start' button. Below the header, there are four main menu items: 'Emergency Topics Step by Step Procedures for First Aid', 'Essential Reference Videos Video Demonstrations of Essential Skills', 'First Aid Topics Step by Step Procedures for First Aid', and 'Retention Center Tools for good learning'. At the bottom, there is a photo of a group of people in a classroom setting.

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

http://www.washingtonpost.com/online/why-i-spent-10th-grade-online/2013/08/23/?hpid=hp_hp-top-table-main-online%3A1st%3A20130823-story_page&hpid=hp_hp-top-table-main-online%3A1st%3A20130823-story_page

The screenshot shows a YouTube video player with the title 'Why I spent 10th grade online'. The video shows a young woman, Sophia Pink, sitting at a desk and talking. To the right of the video player is a social media post from 'Sophia Pink' with the text 'Why I spent 10th grade online'. The post includes a photo of Sophia Pink and a video player. The video player has a play button and a progress bar.

E LEARNING

THUNDERBIRD
SCHOOL OF GLOBAL EDUCATION

THUNDERBIRD'S HISTORY | INNOVATIVE EDUCATION | RESEARCH & INQUIRY | FACULTY & RESEARCH

Knowledge Network: Faculty & Research

Other logs in the USA from our zone

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>

IU News Room
IU News from all eight campuses

Saturday, January 19, 2013

Search: Google Custom Search

Director by Topic: Arts & Humanities, Athletics, Business, Education, General, Health & Medicine, Law, Public & Environmental Affairs, Science, Social Science, Technology

Last modified: Tuesday, January 15, 2013

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

FOR IMMEDIATE RELEASE
Jan. 15, 2013

BLOOMINGTON, Ind. — Online programs in business, education and nursing at Indiana University were ranked among the best in the nation, all ahead of other Big Ten schools, in the 2013 edition of U.S. News & World

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

PEARSON ALWAYS LEARNING

Going the Distance:
Online Education in the United States, 2011

Survey of Chief Academic Officers by I.E. Allen and J. Seaman, Babson Survey Research Group
 Infographic created by Pearson Learning Solutions

Number of Students Enrolled in At Least One Online Course:

August 5, 2013

MOOC at UPenn; Recession Fuels Explosion of Online Learning, Peter Struck, Professor, UPenn, Mythology class to 54,000 students, AOL News, 1:33 minutes
 Video: <http://on.aol.com/video/recession-fuels-explosion-of-online-learning-517885097>

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

The New York Times

Master's Degree Is New Frontier of Study Online

On the left, the dean of the College of Computing at the Georgia Institute of Technology. The middle photo is for another article in complete format through member site subscription. © 2013 NY Times

August 19, 2013

Entrepreneurship Curriculum
 NovoEd, Amin Saberi
<https://novoted.com/courses/entrepreneurship>

Stanford ONLINE

Technology Entrepreneurship Part 1

Nov 16, 2012 Nov 17, 2012

The Course: This course introduces the fundamentals of technology entrepreneurship, government in Silicon Valley and more (pending) across the world. You will learn the process technology entrepreneurs use to start companies. It includes

The Instructor: Amin Saberi, Stanford University

February 27, 2013 (Inside HE)
Grade My Course (i.e., Yelp for Ed)
<http://www.grademycourse.com/>

The screenshot shows the Grade My Course interface. At the top, it displays the course title 'Introductory Organic Chemistry Part 1' by Jeff Moore. The course has received a 'D+' grade, is labeled as 'Difficulty: HARD', and has a 'Workload: 10 HRS'. A 'Grade This Course' button is visible at the bottom. The site also features a list of other courses and their grades.

October 27, 2012
Travel for Office Hours
 Chuck Severance, (U Michigan/Coursera) in Barcelona
<http://www.youtube.com/watch?v=JzNHvmSv81T>

Two YouTube video thumbnails are shown side-by-side. Both are titled 'Barcelona IHTS Coursera Office Hours (2012-10-27)'. The left thumbnail shows Chuck Severance speaking, and the right thumbnail shows him with a woman in front of a building.

October 16, 2013
MOOC News Item: Zombies!
 'Walking Dead' comes alive in the online classroom, Patrick Ryan, USA Today
<http://www.usatoday.com/story/tech/2013/10/16/mooc-walking-dead/2813151>

The image shows a snippet from an article titled "'Walking Dead' comes alive in the online classroom". It features a photo of a man in a field and a screenshot of a MOOC page for 'Walking Dead'. The article discusses how MOOCs meet the zombie apocalypse.

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)

This block contains a line graph showing 'Total known sites' for Moodle, a screenshot of the Moodle user interface, and a photo of a cow. The graph shows a steady increase in the number of sites over time.

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

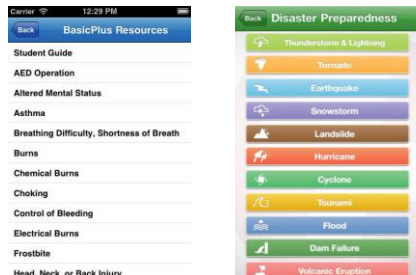
A collage of images related to OpenCourseWare (OCW) and OOPS. It includes a group of people, a person in a red jacket in the snow, and the OOPS logo with the text 'OpenSource OpenCourseware Prototype System' and '開放式課程計劃'.

Online Study Groups Open Study

<http://openstudy.com/>

The image shows the OpenStudy website interface. It features the slogan 'Study Together' and a 'Start Studying' button. The site is described as a place where users can ask questions, give help, and connect with over 100,000 students from 170 countries and 1,000 schools.

Open Educational Resources (OER)



September 16, 2013

Rwandan Degree Program Aims for a 'University in a Box', Chronicle of Higher Education, Megan O'Neil
<http://chronicle.com/article/Rwandan-Degree-Program-Aims/141631/>



Students attend an orientation session at Kepler, a new hybrid program in Kigali, Rwanda, which will use MOOCs and classroom time to help students earn competency-based associate degrees.

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

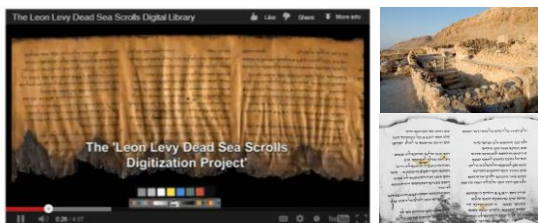
Some sample badges:



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 is occurring 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 edtech.org.

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

<http://www.deadseascrolls.org.il/explore-the-archive>
http://www.deadseascrolls.org.il/explore-the-archive/#search?q=the+en+Qumran+Cave_4
<http://www.deadseascrolls.org.il/home>



Learning Portals, April 3, 2012 Google Art Project, NBC Nightly News

<http://www.msnbc.msn.com/id/3032619/vp/46945508#46945508>

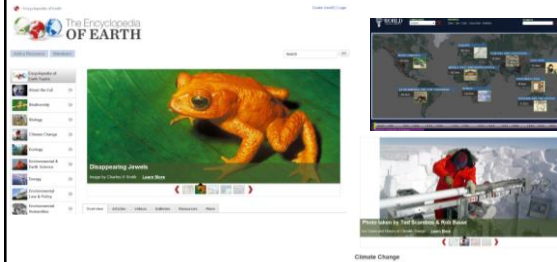


Online Encyclopedias

(e.g, the Encyclopedia of Earth:

<http://www.eoearth.org/>)

http://en.wikipedia.org/wiki/Encyclopedia_of_Earth



Online Videos of Best Practices (HSI Conference)



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)

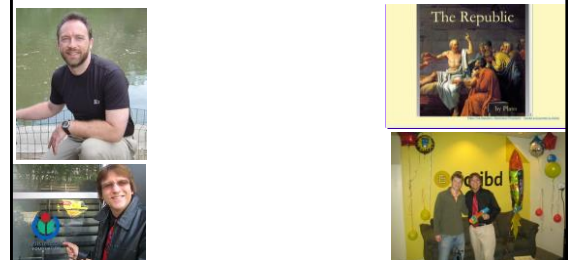
<http://www.youtube.com/user/TravelinEdMan>



Opener #6. Learner Participation in

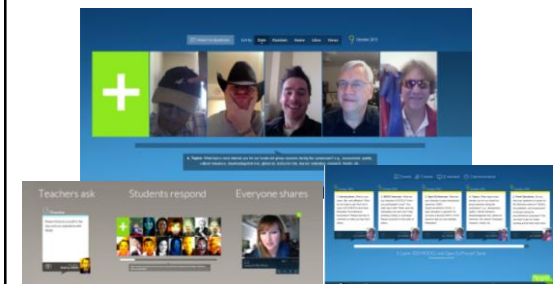
Open Information Communities

(e.g., Slashdot, Digg, Wikipedia, YouTube)



October 16, 2013 Video-Based Discussions (Flipgrid)

<http://flipgrid.com/#b2a9ad31>



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

Soliya Connect

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

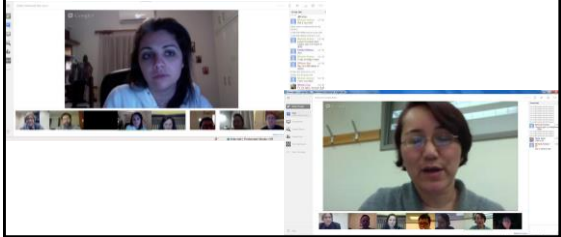


February 26, 2013
Tablets Rock On: Education Tech Through The Ages, Information Week

<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/p4bytsorohh/>)

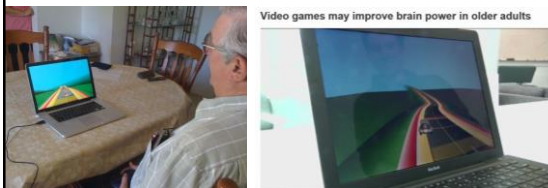


Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

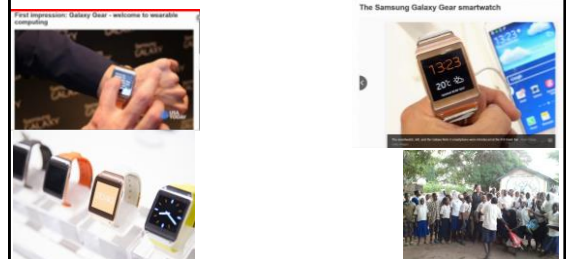


September 5, 2013
Video games may improve brain power in older adults

<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, iPads, smart watches (September 4, 2013))



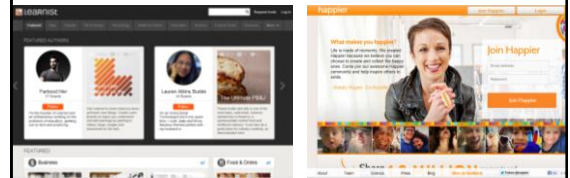
Mobile Video Connections to Experts and Friends



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

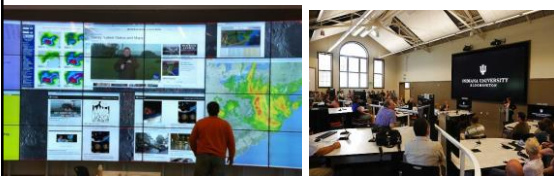


Opener #10. Networks of Personalized Learning (Blogs, Podcasts, Facebook, and RSS feeds, etc.)



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

<http://www.indianaconsumeradvice.com/main.asp?SectionID=3185&ItemID=1354&ArticleID=6980>



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2. Instructor as Consultant



3. Instructor as Conductor



4. Instructor as Course Ambassador



5. Instructor as Curator



6. Instructor as Concierge



7. Instructor as Camping Trip Guide



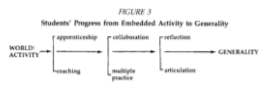
8. Instructor as Cultivator



9. Instructor as Cat Herder?



Instruction as a Cognitive Apprenticeship



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



WE



ALL



LEARN!!!