

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

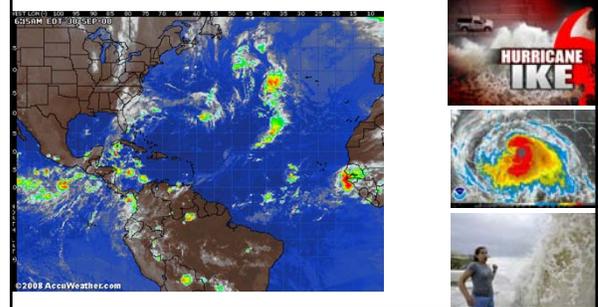
Curtis J. Bonk, Professor, Indiana University
President, CourseShare, LLC
cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>



Who does e-learning benefit besides dogs and cats?



Those in a hurricane...





February 21, 2012
Rethinking Learning with Salman Khan
 Stanford Graduate School of Business

<http://www.youtube.com/watch?v=Wvj68nQa5w>
 Khan Academy Founder Finds Simplicity Appeals in Online Education Experimentation
<http://www.gsb.stanford.edu/news/headlines/sal-khan-academy.html>
 Let's use video to reinvent education, TED, March 2011
http://www.ted.com/talks/salman_khan_let_s_use_video_to_reinvent_education.html




February 19, 2012
Flipped Classrooms? Chronicle of HE

http://chronicle.com/article/How-Flipping-the-Classroom/130857?cid=pm&utm_source=pm&utm_medium=en

February 19, 2012
How 'Flipping' the Classroom Can Improve the Traditional Lecture



Benjamin Bruckman for The Chronicle

Andrew Martin's teaching techniques get students out of their seats during his class on evolutionary biology at the U. of Colorado at Boulder. Some students enjoy the "flipped" lectures that require them to help one another understand the material. Others resent being forced to work in groups.
 By Dawn Rennett

April 12, 2011
NCTM Conference, Free Online Degrees; Integration of Science, Mathematics, and Reflective Teaching (iSMART)
 University of Houston

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



Jen Chauvot and Mimi Lee, Univ of Houston



April 29, 2012
Open Education's Wide World of Possibilities, Chronicle of Higher Education, Katherine Mangan

http://chronicle.com/article/Open-Education's-Wide-World-of-Possibilities/131672?cid=at&utm_source=at&utm_medium=en

The Digital Campus

April 29, 2012
Open Education's Wide World of Possibilities



Chronicle of Higher Education

Head Strong: The Brian (right) grew up herding yaks in Tibet. His new leads education projects in his home region and studies M.Ed. and master's thesis online through Yale U.'s open classes.
 By Katherine Mangan

April 29, 2012
'Supersizing' the College Classroom: How One Instructor Teaches 2,670 Students
 Chronicle of Higher Education, Marc Parry
<http://chronicle.com/article/Slide-Show-Technology-for/131711/>

April 29, 2012
'Supersizing' the College Classroom: How One Instructor Teaches 2,670 Students



John Boyer teaches a mega-class in current events at Virginia Tech in person—and holds online office hours using Ustream.

May 2, 2012
MIT and Harvard announce edX
EdX: The Future of Online Education is Now

<http://www.edxonline.org/about.html>
<http://www.youtube.com/watch?v=SA6ELDIRRU>



MIT and Harvard announce edX



June 25, 2012
Massive Open Online Courses (MOOCs)
A Conversation With Bill Gates About the Future of Higher Education, Chronicle of HE, Jeffrey R. Young
http://chronicle.com/article/A-Conversation-With-Bill-Gates/132591?cid=ak&utm_source=ak&utm_medium=em

On the Meaning of MOOC's
Two thoughts I only have a high school degree. I'm a professional athlete.*



Q: You have been interested in education for quite a while. I was looking back at your 1995 book, *The Road Ahead*, and you laid out a vision of education and how it could be transformed with technology. It seems like some of that vision is still only just emerging, so many years later. Did it take longer than you thought it would?

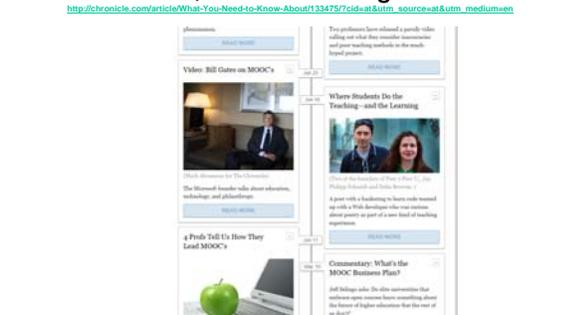
August 8, 2012
Holy Apostles To Offer Massive Open Online Courses, Cromwell, CT
<http://campustechnology.com/articles/2012/08/08/holy-apostles-to-offer-massive-open-online-courses.aspx>

Holy Apostles To Offer Massive Open Online Courses
 By Mike Hohensivik • 20/08/12

Holy Apostles College and Seminary will begin to offer massive open online course (MOOC) programming through a partnership with Edvance360 and the Catholic Distance Learning Network involving two certification programs for the fall 2012 semester.



August 20, 2012
MOOC Timeline: What You Need to Know About MOOC's, Chronicle of Higher Education
http://chronicle.com/article/What-You-Need-to-Know-About-MOOCs/133475?cid=ak&utm_source=ak&utm_medium=em



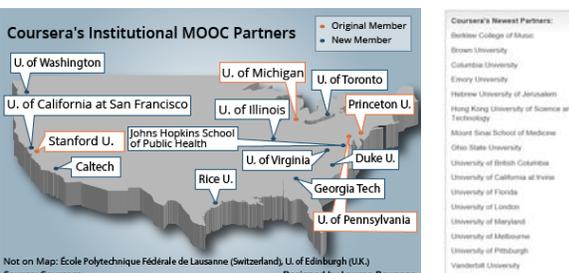
August 31, 2012
Newt and the MOOC
Inside Higher Ed, Paul Fain
<http://www.insidehighered.com/news/2012/08/31/newt-runs-kaplan-platform-gop-connection>



July 17, 2012
(Expanded Sept 19, 2012)
Into the Fray, Steve Kolowich, Inside Higher Ed
<http://www.insidehighered.com/news/2012/07/17/iva-and-11-others-become-latest-plan-moocs#ixzz20uq2X6W>

Coursera's Institutional MOOC Partners

- Original Member
- New Member



Not on Map: Ecole Polytechnique Fédérale de Lausanne (Switzerland), U. of Edinburgh (UK)
 Source: Coursera
 Designed by Lauren Rouppas

October 1, 2012: MOOC Students
4 Massive Open Online Courses and How They Work, Ben Gose, Chronicle of HE
<http://chronicle.com/blogs/techtherapy/2012/10/03/episode-09-what-wearable-computers-could-mean-for-campuses/>



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

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

<http://chronicle.com/blogs/techtherapy/2012/10/03/episode-99-what-wearable-computers-could-mean-for-campuses/>



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

October 22, 2012
Chuck Severance in Seoul

<http://www.youtube.com/watch?v=nHaPvqU4MrM>



October 27, 2012
Chuck Severance (U Michigan/Coursera) in
Barcelona

<http://www.youtube.com/watch?v=JzNHvmSv8TI>



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

<http://www.nytimes.com/2012/11/04/education/edtech/moocs-ignites-mainstream-courses-are-multiplying-at-a-rapid-pace.html?pagewanted=all>



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).

November 13, 2012
College credit for online courses gains
momentum. USA Today, Mary Beth Marklein,

<http://www.usatoday.com/story/news/nation/2012/11/13/mooc-on-board-with-online-education-trend-of-moocs/1113079/>



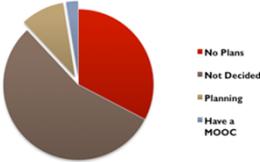
December 3, 2012
Top Ed-Tech Trends of 2012:
MOOCs, Hack Education, Audrey Waters

<http://www.hackeducation.com/2012/12/03/top-ed-tech-trends-of-2012-moocs/>



January 8, 2013
Changing Course: Ten Years of Tracking Online Education in the United States, Elaine Allen and Jeff Seaman, Sloan-C & Babson Survey Research Group
<http://www.pearsoneditionsolutions.com/assets/downloads/sloanc/changing-course-survey.pdf>

Plans for MOOCs - 2012



- No Plans
- Not Decided
- Planning
- Have a MOOC

BABSON Survey Research Group
PEARSON SLOAN-C

January 8, 2013
Changing Course: Ten Years of Tracking Online Education in the United States, Elaine Allen and Jeff Seaman, Sloan-C & Babson Survey Research Group
<http://www.pearsoneditionsolutions.com/assets/downloads/sloanc/changing-course-survey.pdf>

What are Chief Academic Officers planning for MOOCs in 2012?



32.7%	55.4%	12%
No plans	Not decided	Have or planning a MOOC

BABSON Survey Research Group
PEARSON SLOAN-C



I am not Content!!!



September/October, 2012
The Siege of Academy
Washington Monthly, Kevin Carey,
http://www.washingtonmonthly.com/magazine/septemberoctober_2012/features/_its_three_o'clock_in_09371.php?page=all

Washington MONTHLY
 The Magazine | Blog | College Guide | About Us | Archives | Advertise
 Table of Contents | Cover Photo

Features
 September/October 2012
 The Siege of Academe

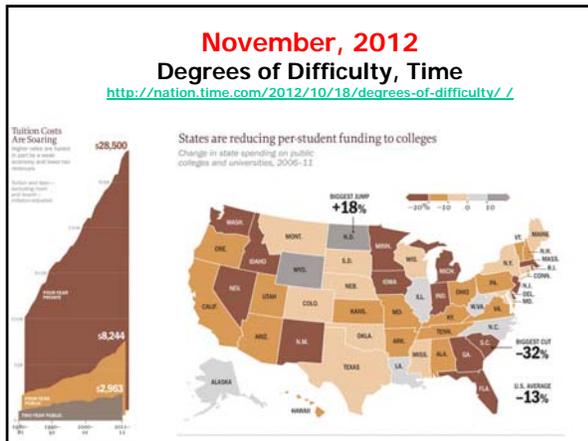


October 11, 2012
MOOC and you're out of a job: uni business models in danger, Mark Gregory, The Conversation, Australia
<http://theconversation.edu.au/mooc-and-youre-out-of-a-job-uni-business-models-in-danger-9738>

THE CONVERSATION



Academics and universities might need to be careful of what they wish for with free online education.



May 24, 2010

Author Nicholas Carr, The Web Shatters Focus, Rewires Brains, Wired

http://www.wired.com/magazine/2010/05/ff_nicholas_carr/

Author Nicholas Carr: The Web Shatters Focus, Rewires Brains



TUESDAY, MAY 17, 2011

15 reasons to BAN pens and pencils from the classroom, Donald Clark, Plan B

<http://donaldclarkplanb.blogspot.com/2011/05/7-reasons-to-ban-pens-and-pencils-from.html>

DONALD CLARK PLAN B
WHAT IS PLAN B? NOT PLAN A!

TUESDAY, MAY 17, 2011
15 reasons to BAN pens and pencils from the classroom

Too easy to ban



Question:

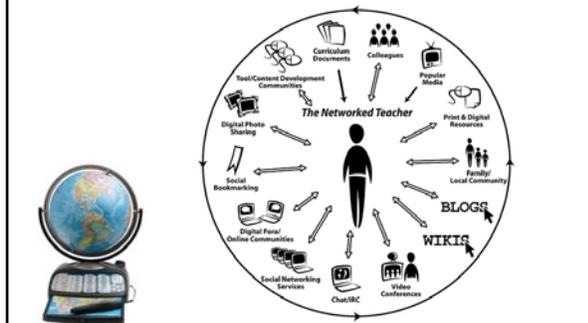
What is the Web?

- 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!

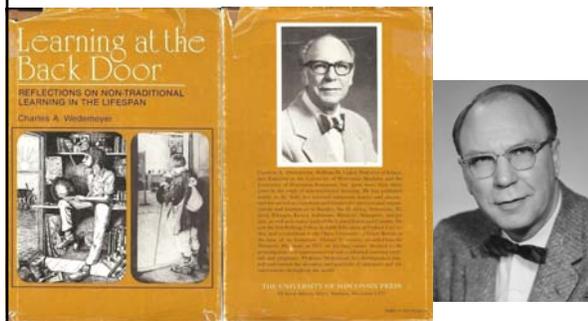
The Web of Learning



We are entering a jumping off point...

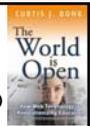


Charles Wedemeyer, University of Wisconsin

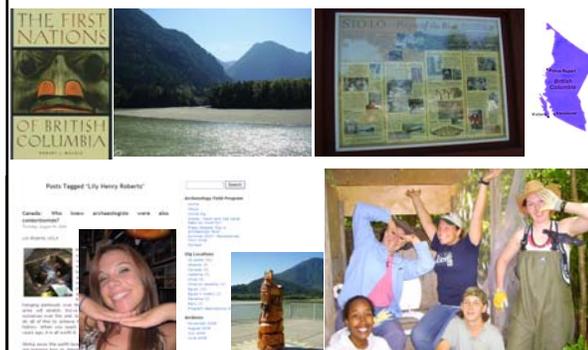


Framework #1: WE-ALL-LEARN: Ten Forces that Opened the Learning World

- **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**ea-time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)



I'm an Armchair Indiana Jones...



Audience Participation!

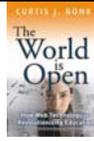
1. WE

2. ALL

3. LEARN!!!

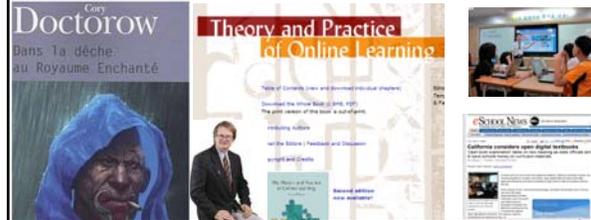
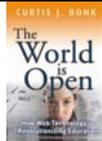


Triple Learning Technology Convergence of "WE-ALL-LEARN"



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.

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!!!



E-Book Readers

January 28, 2011: Amazon: Kindle Books Finally Eclipse Paperbacks, Doug Aamoth
March 2, 2011: Why Amazon would be smart to give away the Kindle, March 4, 2011, CNN Tech, Amy Gahrn



Whether a surge in e-book sales can be sustained and what effect it could have on traditional bookstores remains to be seen.

August 3, 2011

Inkling opens textbooks on the iPad USA Today, Jefferson Graham

Some \$4.5 billion worth of textbooks were sold in 2010, (Assoc. of American Pub). Digital textbooks = 3% of sales in 2011 and growing to 44% by 2017.

Inkling opens textbooks on the iPad



Worldreader, August 22, 2011

What Makes Ed Tech Successful in the Developing World?, ReadWriteWeb, David Risher

http://www.readwriteweb.com/archives/what_makes_educational_technology_successful_in_th.php
<http://www.worldreader.org/>



January 29, 2012

Apple's new electronic textbook initiative just another chapter in a developing story, Herald Times, Mike Leonard

http://www.heraldtimesonline.com/stories/2012/01/29/news_apples-new-electronic-textbook-initiative-just-another-chapter-in-story.sto?print=1



March 24, 2012

In South Korean classrooms, digital textbook revolution meets some resistance, Washington Post

http://www.washingtonpost.com/world/asia_pacific/in-south-korean-classrooms-digital-textbook-revolution-meets-some-resistance/2012/03/21/gI0axiNGYS_story.html?wpisrc=emailtoafriend

In South Korean classrooms, digital textbook revolution meets some resistance



December 14, 2012

The Shift to Digitizing Classrooms and How Institutions Can Play a Part, Nik Osborne, The Evollution

http://www.evolution.com/distance_learning/article-the-shift-to-digitizing-classrooms-and-how-institutions-can-play-a-part/

AUDIO | The Shift to Digitizing Classrooms and How Institutions Can Play a Part

By Nik Osborne, Chief of Staff, Indiana University

Like Share

The following interview is with Nik Osborne, the Chief of Staff for the Vice President for Information Technology at Indiana University. At the recent EDUCAUSE conference, Osborne spoke on the importance of moving to online resources to lower costs for students. In this interview, Osborne discusses the advantages of the emerging digitized classroom resources, explains what some of the barriers to their use are and shares his thoughts on how institutions can ensure they are part of the pricing process for emerging technologies.



Emerging technologies are going to replace traditional textbooks when it comes to classroom resources in the near future, but institutions need to ensure they are part of the process when it comes to determining pricing models.

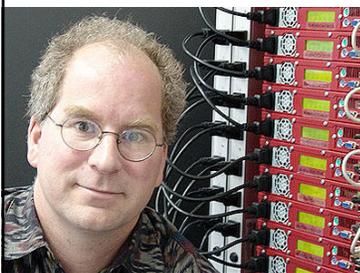
January 9, 2013

McGraw-Hill upgrades the digital textbook, Eli Blumenthal, USA Today

<http://www.usatoday.com/story/technology/2013/01/09/mcgraw-hill-digital-textbook-ces/1820473/>



Brewster Kahle, the Internet Archive



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



Aaron Swartz, Open Library

At age 14, he was a co-author of the RSS 1.0 specification.

January 12, 2013

Internet Activist, a Creator of RSS, Is Dead at 26, Apparently a Suicide, NY Times

John Schwartz

http://www.nytimes.com/2013/01/13/technology/aaron-swartz-internet-activist-dies-at-26.html?pagewanted=all&_r=1&...

January 12, 2013

RIP, Aaron Swartz, Boing Boing, Cory Doctorow

John Schwartz

<http://boingboing.net/2013/01/12/rip-aaron-swartz.html>

January 16, 2013

Carmen Ortiz and Stephen Heymann: accountability for prosecutorial abuse

Glenn Greenwald, The Guardian

<http://www.guardian.co.uk/comments/2013/jan/16/artis-heymann-swartz-accountability-abuse>

Aaron Swartz: husband of prosecutor criticises internet activist's family

Carmen Ortiz and Stephen Heymann: accountability for prosecutorial abuse

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/>

- eCampus News - <http://www.ecn.ca>

Free digital textbooks surge in popularity

Posted by Sarah Langmead On January 22, 2013 @ 7:07 am in [Controlling costs, eBooks and eReaders](#), [eBooks](#)

As college textbook prices continue to climb, a free alternative to 70 more than half of U.S. colleges are taking advantage.

Publicly launched this past August, BoundlessTM produces digital text reading material in at least 18 subject areas. Boundless primarily us government resources, and other free learning sites.

Experts in multiple academic fields review gathered content and org needs. Students enter their assigned textbook title into Boundless' visual graphics.

Boundless offers students digital textbooks with reputable content—free of charge.

Boundless

<https://www.boundless.com/>

Save Money. Learn Faster.
Ace the class without breaking the bank.

Get your free textbook

As seen in:

Opener #2. E-Learning and Blended Learning

May 5, 2012

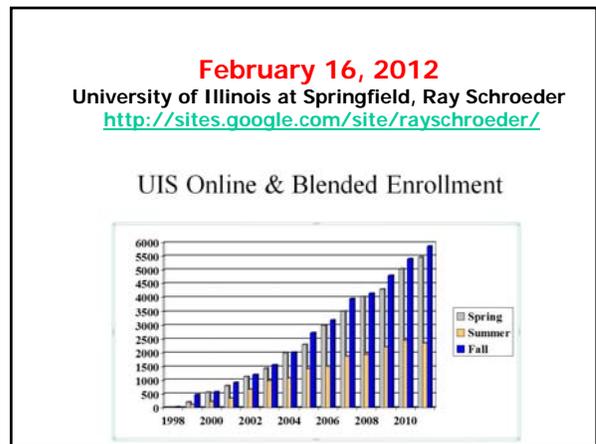
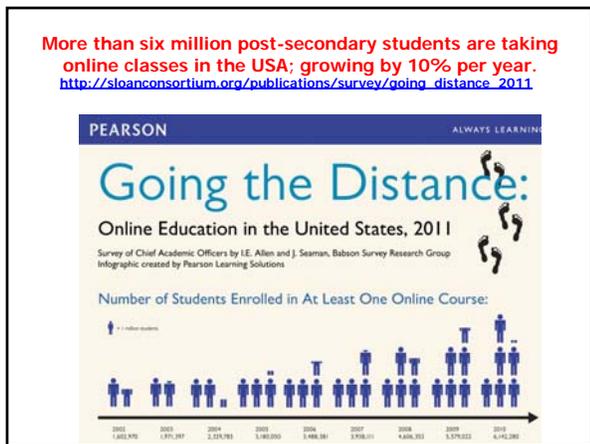
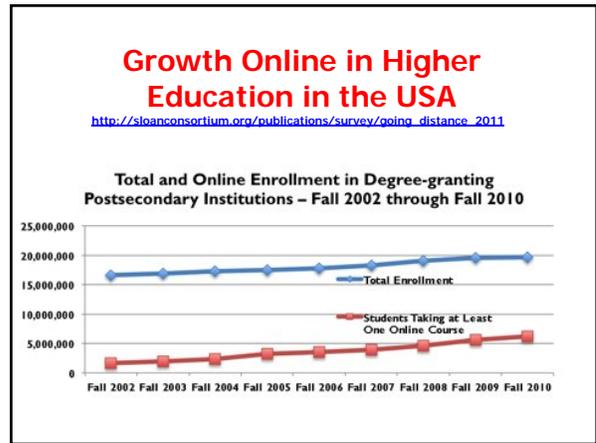
Shaq earns doctorate degree

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

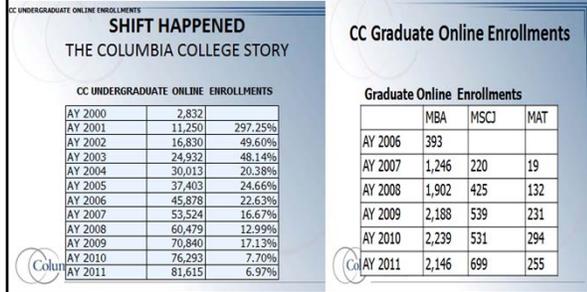
January 15, 2013

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.htm>



January 22, 2012
Online Enrollments 2000-2011;
 Columbia College, Missouri, Arlin Epperson,
aeperson@ccis.edu

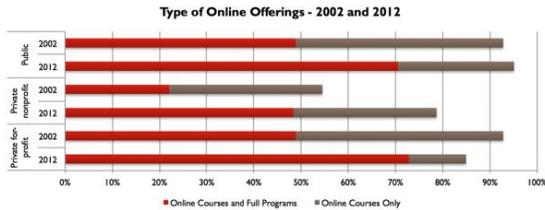


January 8, 2013
Growth for Online Learning
 Inside Higher Education, *Doug Lederman*
<http://www.insidehighered.com/news/2013/01/08/survey-finds-online-enrollment-slow-continues-growth>

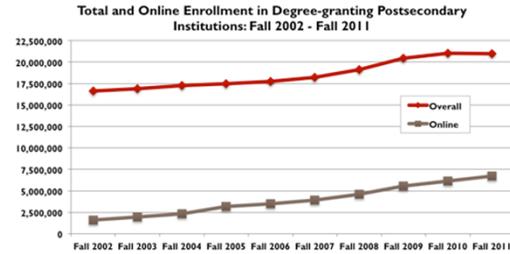
Online Enrollments, 2002-2011

Year	Students Taking at Least 1 Online Course	Increase Over Previous Year	% Increase
2002	1,602,970	n/a	n/a
2003	1,971,397	368,427	23.0%
2004	2,329,783	358,386	18.2
2005	3,180,050	850,267	36.5
2006	3,488,381	308,331	9.7
2007	3,938,111	449,730	12.9
2008	4,606,353	668,242	16.9
2009	5,579,022	972,669	21.1
2010	6,142,280	563,258	10.1
2011	6,714,792	572,512	9.3

January 8, 2013
Growth for Online Learning
 Inside Higher Education, *Doug Lederman*
<http://www.insidehighered.com/news/2013/01/08/survey-finds-online-enrollments-slow-continues-growth>

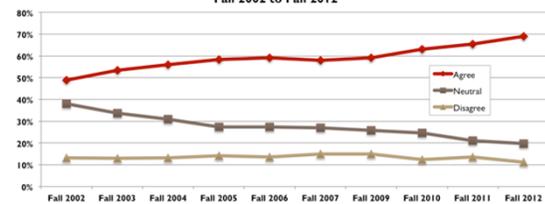


Changing Course: Ten Years of Tracking Online Education in the United States
 January 8, 2013, Elaine Allen and Jeff Seaman,
 Sloan-C & Babson Survey Research Group
http://sloanconsortium.org/publications/survey/changing_course_2012
<http://babson.edu/newsroom/2013/01/08/survey-finds-online-enrollments-slow-continues-growth>
<http://www.insidehighered.com/news/2013/01/08/survey-finds-online-enrollments-slow-continues-growth>

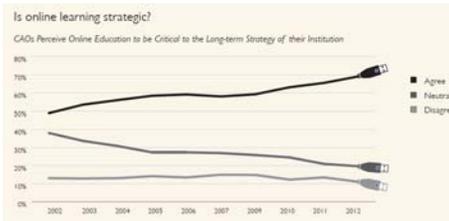


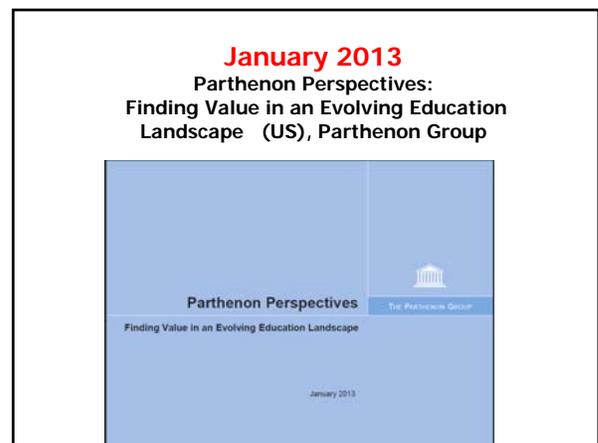
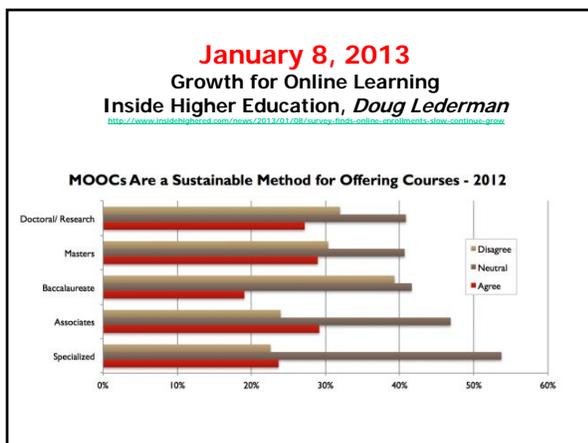
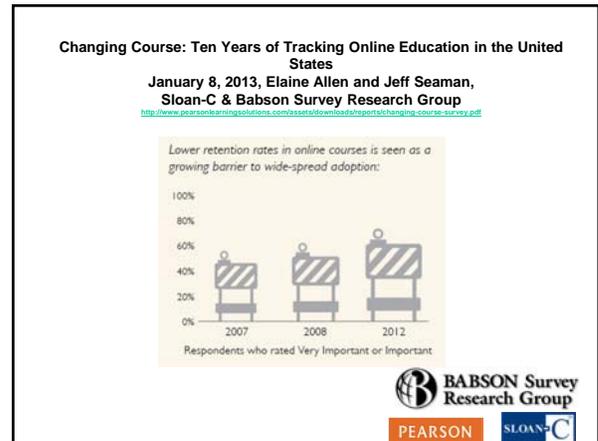
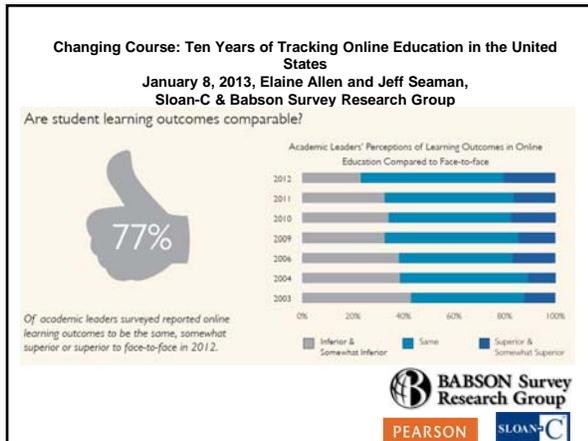
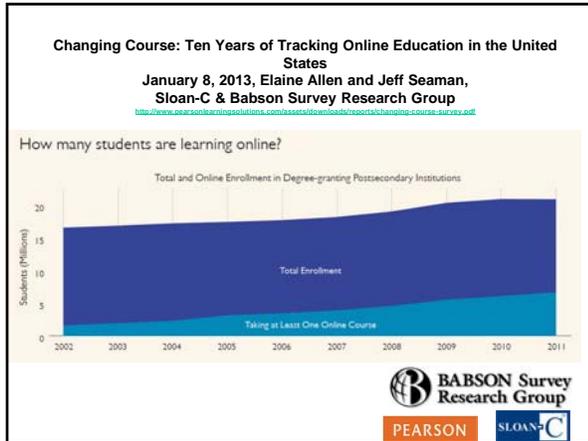
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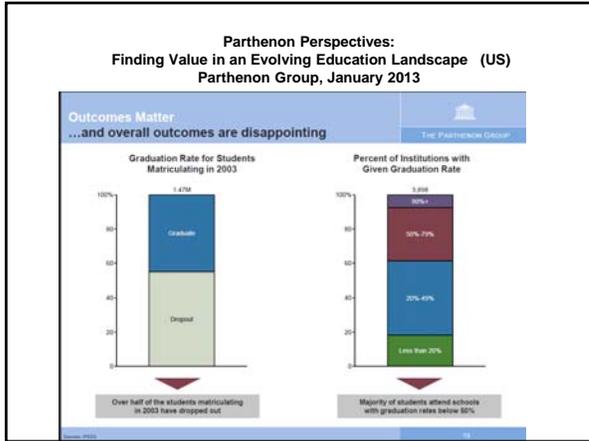
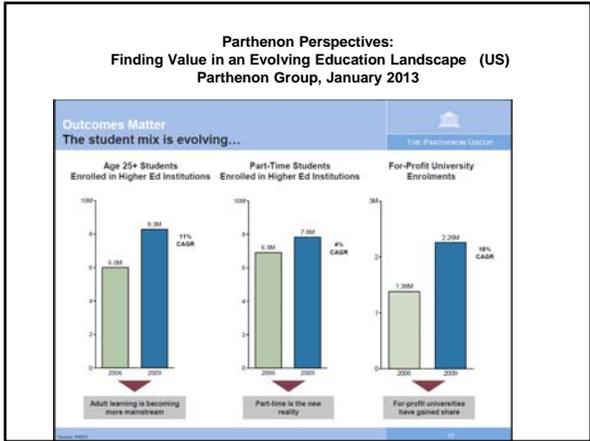
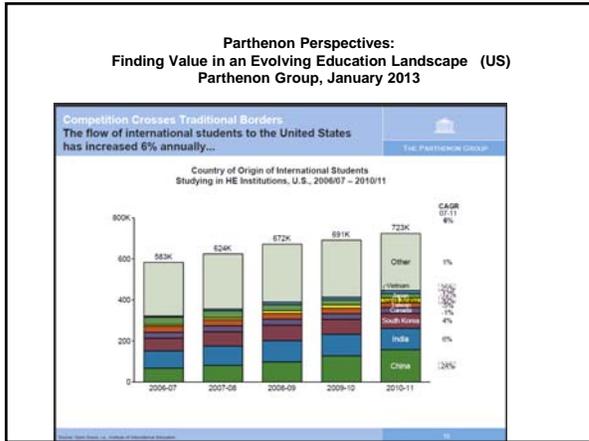
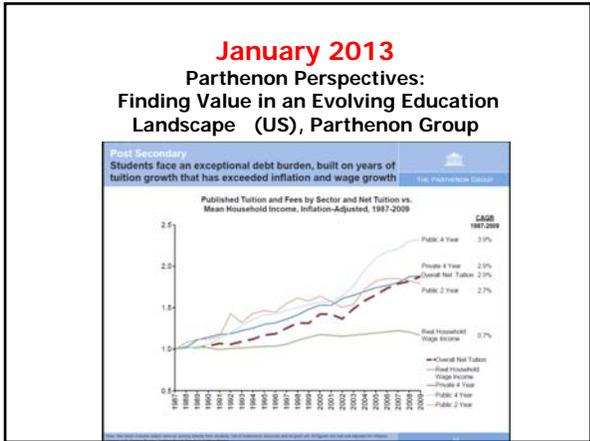
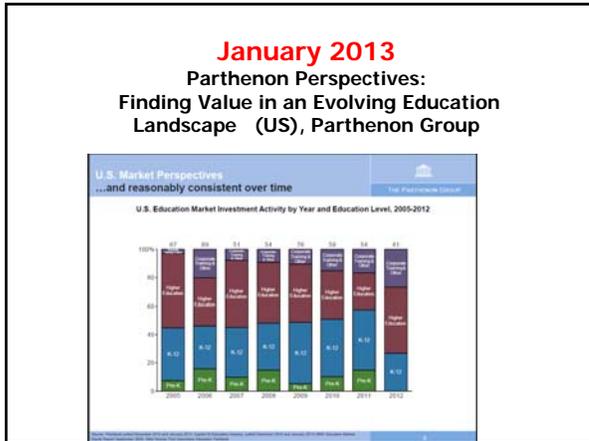
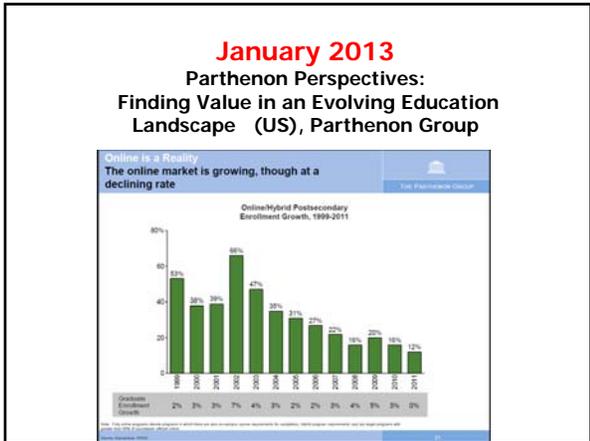
Online Education is Critical to the Long-term Strategy of my Institution - Fall 2002 to Fall 2012

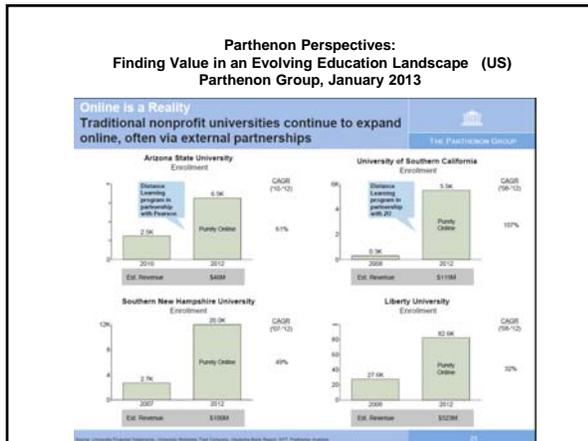
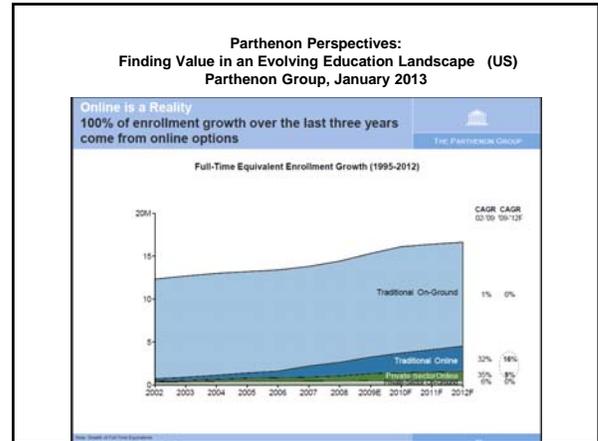
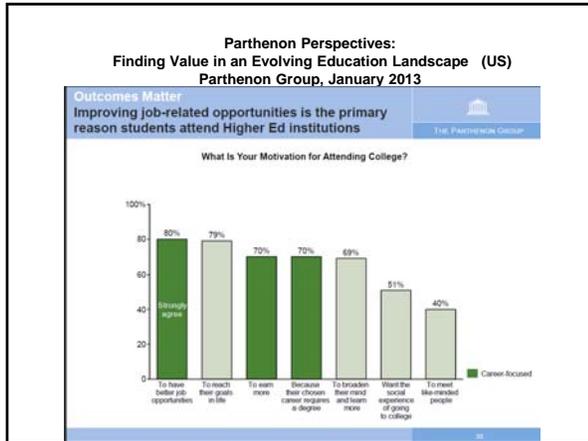


Changing Course: Ten Years of Tracking Online Education in the United States
 January 8, 2013, Elaine Allen and Jeff Seaman,
 Sloan-C & Babson Survey Research Group
<http://www.pearsonlearningolutions.com/assets/downloads/reports/changing-course-survey.pdf>









Opener #3. Availability of Open Source and Free Software Moodle

(June 3, 2012: 58 million users in 216 countries, 67,162 sites, 6.2 million courses)

The Learning World is Open

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

The Learning World is Open

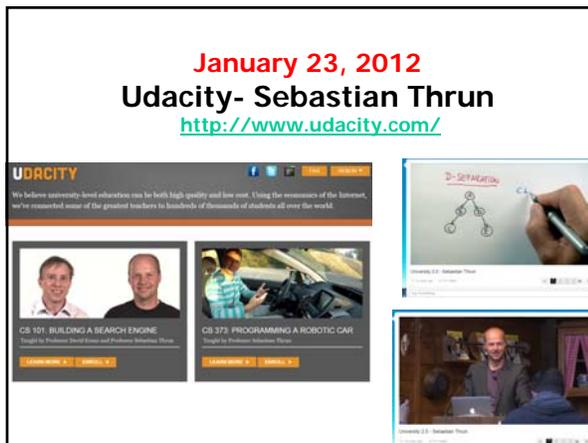
August 2, 2011
Massive Open Online Courses (MOOC) and Graded Free OCW,
 Stanford U. Offers Free Online Course in Artificial Intelligence, Jie Jenny Zou, Chronicle of Higher Education (over 135,000 sign up as of August 27)
<http://www.ai-class.com/>



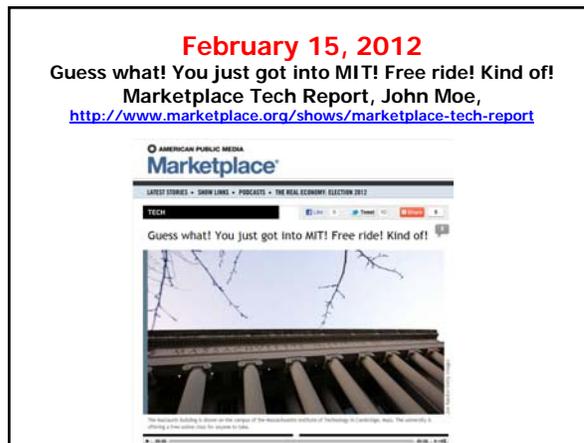
September 15, 2011, Graded Free OCW
Welcome to Stanford Engineering, Everywhere (SEE) <http://see.stanford.edu/>
 A computer and an Internet connection are all you need. View lecture videos, access reading lists and other course handouts, take quizzes and tests, and communicate with other SEE students, all at your convenience.



January 23, 2012
Udacity- Sebastian Thrun
<http://www.udacity.com/>



February 15, 2012
Guess what! You just got into MIT! Free ride! Kind of!
Marketplace Tech Report, John Moe,
<http://www.marketplace.org/shows/marketplace-tech-report>



February 16, 2012
Ray Schroeder, U of Illinois at Springfield Guest Speaker on Open Education Movement
<http://breeze.iu.edu/p94lec5su62/>



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 Watters. 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 *o'Reilly*.

Badges for Online Learning

e.g., Khan Academy

<http://www.khanacademy.org/badges/view>

The screenshot shows the MacArthur Digital Media & Learning Competition website. It features a 'Badges for Lifelong Learning' section with a flowchart illustrating the process: 'Badge Content and Programs' leads to 'Badge Design and Test', which leads to 'Matchmaking and Final'. The website also includes a 'Press Release' section and a 'Badges for Lifelong Learning' section with a 'Badges for Lifelong Learning' button.

April 18, 2012

Coursera

Online-Education Start-Up Teams With Top-Ranked Universities to Offer Free Courses,

[\(https://www.coursera.org/\)](https://www.coursera.org/)

The screenshot shows the Coursera website. It features a video player with a woman reading a book. Below the video player are logos for Princeton University, Stanford University, and Penn. The website also includes a 'Learn.' section and a 'Watch Our Video' button.

April 25, 2012

MIT+K-12

Making Video to Make a Difference

<http://k12videos.mit.edu/>

The screenshot shows the Pixel Engineering website. It features a video player with a hand holding a camera lens. Below the video player is a list of videos with titles like 'Introduction to Video' and 'Advanced Video'. The website also includes a 'Pixel Engineering' logo and a 'CREATING' button.

November 18, 2012

Video Streaming

MOCs Gaining Popularity, But New Frontier For Scaling Up Online Classes Is Course Credit,

Huffington Post (College), Justin Pope

<http://www.usatoday.com/story/news/nation/2012/11/18/more-on-board-with-online-education-trend-of-mocs/1713070/>

The screenshot shows a video player with a man in a white shirt standing in front of a green screen. The video player includes a play button and a progress bar.

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

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.



The screenshot shows a video player with a man in a white shirt standing in front of a green screen. The video player includes a play button and a progress bar.

December 31, 2012

Dead Sea Scrolls

<http://www.deadseascrolls.org/en/explorer-the-archives>

http://www.deadseascrolls.org/en/explorer-the-archives/search?site=en/Cherashan_Cave_4

The screenshot shows the Dead Sea Scrolls Digital Library website. It features a video player with a scroll of text. Below the video player is a list of scrolls with titles like 'The 'Levy Dead Sea Scrolls' Digitization Project'. The website also includes a 'The Learning World is Open' logo and a 'Watch Our Video' button.

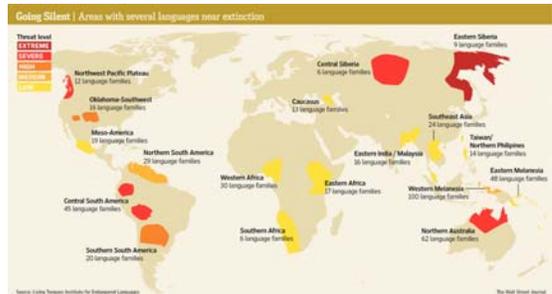
February 18, 2002
Talking Dictionaries for Rare Languages
 The Wall Street Journal
<http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3DVideo>

Talking the Talk, for Posterity
 Oral Online Dictionaries Help Preserve Languages, Cultures Muted by Modernity

Article Video Interactive Graphics Comments (12)



Talking the Talk, for Posterity
Oral Online Dictionaries Help Preserve Languages, Cultures Muted by Modernity, The Wall Street Journal, February 18, 2002
<http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3DInteractive>



April 3, 2012
Google Art Project, NBC Nightly News
<http://www.msnbc.msn.com/id/3032619/vp/46945508#46945508>



September 2011
Online Encyclopedias
 (e.g, the Encyclopedia of Life, Encyclopedia of Earth, etc.)
<http://www.eoearth.org/> <http://eol.org/>

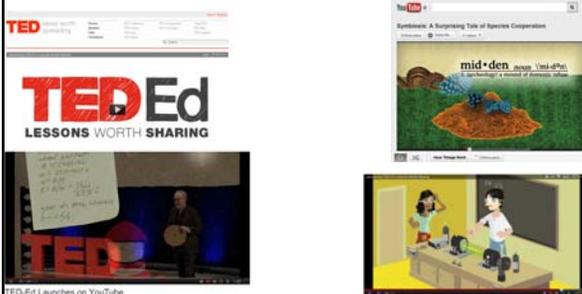


How about rich video portals?
 Most of the Websites below did not exist 5 or 10 years ago.

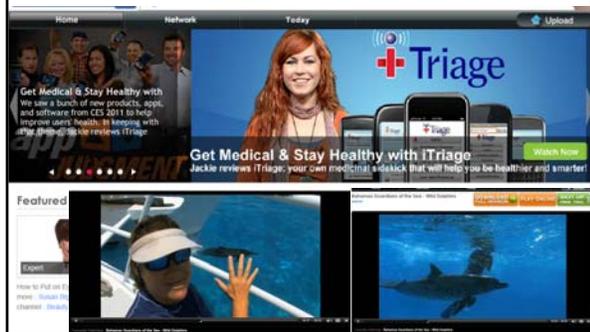
1. BBC News Video and Audio
2. CNN.com Video
3. MSNBC.com
4. Google Video, Yahoo Video
5. Current TV
6. Fora TV
7. MIT World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explore, Global Pulse, Latin Pulse
11. Howcast, Big Think, WonderHowTo, Explo.TV, NASA TV, ClipChef, TV Lesson, BookTV, Edutopia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



March 13, 2012
Educational Videos: TED-Ed
<http://education.ted.com/>



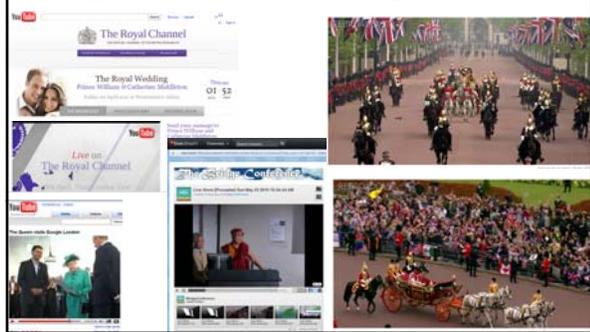
**TV Lesson
(expert videos)**



**July 22, 2011
GETideas Channel, Cisco (Education Thought Leader Series uploaded to YouTube)**
<http://www.youtube.com/user/GETideas#g/u>



**April 29, 2011
(e.g., YouTube and the Royal Channel)**



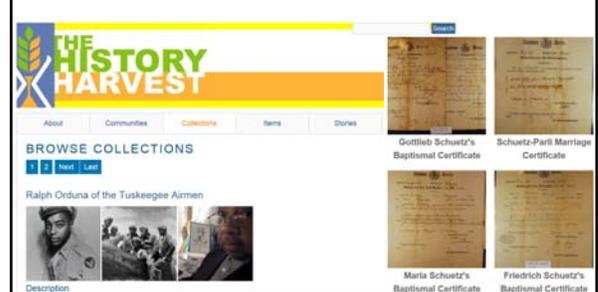
**October 2010, The V-PORTAL (Bonk, IU)
"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL,
TravelinEdMan (27 free/open YouTube videos)**
<http://www.youtube.com/user/TravelinEdMan>



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



**December 21, 2012
Community Oral Histories
(e.g., The History Harvest)**
<http://historyharvest.unl.edu/collections>



May 23, 2012

Scoop It!; *Online Video in Education*
Stephen Bright, eLearning Designer, Waikato Centre for eLearning
<http://www.scoop.it/t/online-video-in-education>



GROVO (short technology videos)
<http://www.grovo.com/social-media>



October 2011 (E-learn Conference)

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=5p/f/12/kJULC0jsqdA>



April 1, 2012

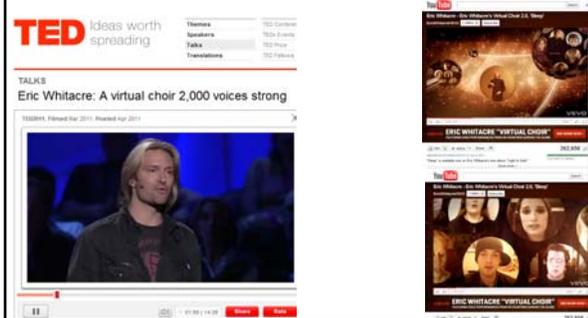
Dinosaurs and Origins of Humans, Brian J. Ford,
Microbiologist, Cambridge, UK

<http://www.youtube.com/user/tellymonitor#p/u/1/1hGeApsKiasr>
Origin of Humans: <http://www.youtube.com/user/tellymonitor#p/u/2/sWVnVEd18cU>
Tellymonitor's Channel: <http://www.youtube.com/user/tellymonitor>
BBC programs omit living cells: <http://www.youtube.com/watch?v=rDnTh6Cx6Y>
Secret Weapons: <http://www.youtube.com/user/tellymonitor#p/u/>
Dinosaurs (Laboratory News, April 1, 2012): <http://www.labnews.co.uk/news/prehistoric-revolution/>



April 6, 2011

Eric Whitacre: A virtual choir 2,000 voices strong
<http://www.youtube.com/watch?v=6WhWDCw3Mng>

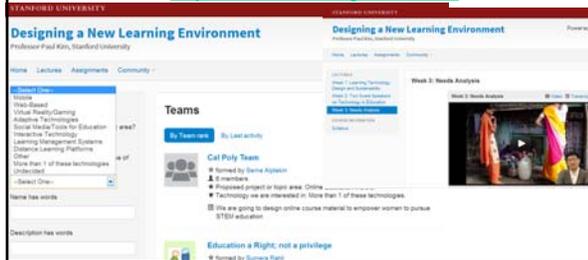


Opener #7. Electronic
Collaboration and Interaction
(synchronous & asynchronous;
Leonardo Tosi, project manager in the
ICT and education area of the INDIRE



October 28, 2012
Online Teams
Paul Km, Stanford:

17,380 students. I haven't met f2f. I am shocked to see students from places where Internet is very limited. You will find students from even Zanzibar!!! Many teams are formed and they meet f2f in the region where they live.
<http://venture-lab.org/education/>



November & December 2012
Guest Speakers
Designing a New Learning Environment
Professor Paul Kim, Stanford University

<http://venture-lab.org/education/lectures/45>



March 20, 2012
Georgetown Learning Initiatives
Soliya Connect

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



January 14, 2011
South African teens get virtual mentoring from all over the world, By Danielle Berger, CNN

<http://www.cnn.com/2011/LIVING/01/13/cnnheroes.stokes/index.html?hpt=T2>



February 8, 2012
On-Demand Videoconferencing with Experts
(e.g., Peter Smith, VP, Kaplan University)



June 29, 2011 and July 6, 2012
Google+ Hangouts and Facebook Video calling

http://www.youtube.com/watch?v=KL9jFv6TA&annotation_id=annotation_389852&feature=ui



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

The Learning World is Open

April/May 2011
 Dr. Monica Rankin's class
 UT Dallas, Cuban Revolution
<http://www.youtube.com/watch?v=ocQMf1kPo98>

December 24, 2010: Social Networking Gaming
CityVille 16.8 million daily users, *FarmVille*'s 16.4 million. *CityVille* 61.7 million monthly users, *FarmVille* 56.8 million users. Mashable.
 "CityVille" Is Now Bigger than "FarmVille"

Augmented Reality, May 17, 2011:
 USA Today, Edward Baig, Augmented reality has potential to reshape our lives.
 (e.g., ZooBurst, Craig Kapp, NYU, pop-up books)
 Verity Tan, Recollections from R685, Fall 2011, <http://vimeo.com/33090590/>

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

The Learning World is Open

15m people/month mobile in India
 40,000/week Rwanda
 60,000 earthlings/hour

February 2012
 SMILE: Stanford Mobile Inquiry-based Learning Environment

October 5, 2011

Apple co-founder Steve Jobs dies, USA Today

<http://www.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1>
http://www.cnn.com/2011/10/05/us/obit-steve-jobs/index.html?ref=BN1&hpt=hp_11



March 13, 2011

iPad Apps for Calculus, Math, Biology, etc. Chronicle of HE, Ben Wieder

http://chronicle.com/article/iPads-for-College-Classrooms-/12668173id=at&utm_source=at&utm_medium=en



At Pepperdine U. Timothy Lucas, an assistant professor of mathematics, shows a class how to use iPads for calculus. Linda Johnson, an assistant professor of biology at Chatham U., for her plant-physiology

August 18, 2011

HowStuffWorks, iPhone App, USA Today, Marc Saltzman



May 4, 2012

"Top Gear presenter James May meets his virtual self", BBC

http://news.bbc.co.uk/2/hi/programmes/click_online/9718563.stm



Judy 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

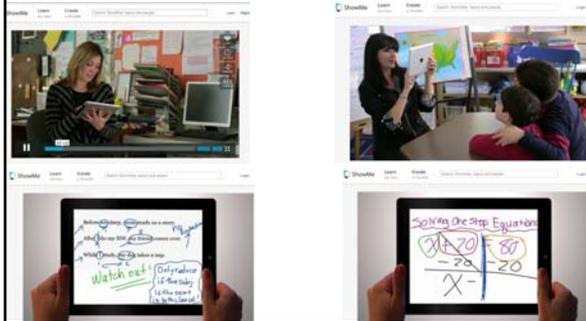
Sources: Nielsen, eMarketer, Forrester, Apple

Cell phone culture: How cultural differences affect mobile use, CNN, Naomi Canton, September 28, 2012

Cell phone culture: How cultural differences affect mobile use



Lessons on iPad (e.g., ShowMe: <http://www.showme.com/>)

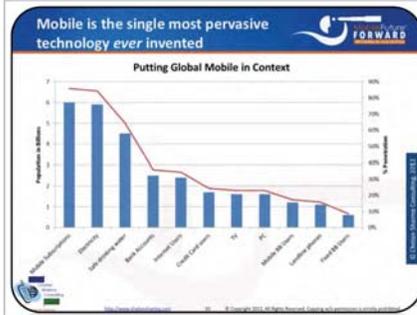


User-Designed E-Books. Sept 18, 2012 How to turn Wikipedia into an e-book, John D. Sutter

http://www.cnn.com/2012/09/18/tech/mobile/wikipedia-e-book/index.html?hp_hp_13



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



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

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



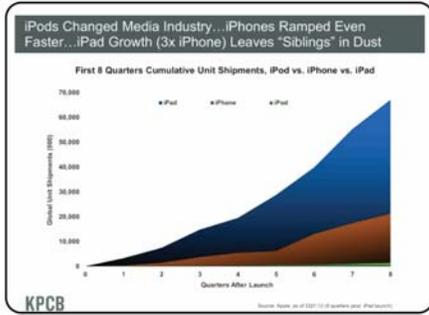
10 Terrific iPad Apps for Toddlers, August 2, 2012, Mashable, Allegra Tepper



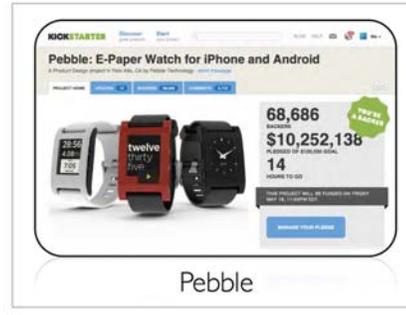
10 Terrific iPad Apps for Toddlers, August 2, 2012, Mashable, Allegra Tepper



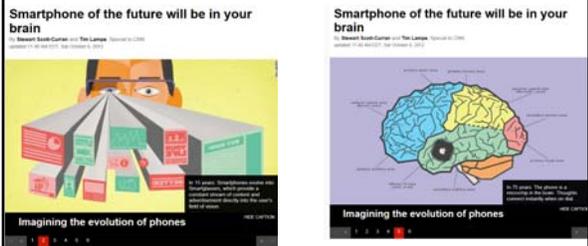
Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012



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



Smartphone of the future will be in your brain, CNN, Stewart Scott-Curran and Tim Lampe, October 6, 2012
<http://www.cnn.com/2012/10/06/tech/smartphone-zombie-apocalypse/index.html>



Readers: Are we headed for a smartphone zombie apocalypse?, CNN, Nicole Saidi, October 4, 2012
http://www.cnn.com/2012/10/03/tech/smartphone-zombie-apocalypse-comments/index.html?article_id=184



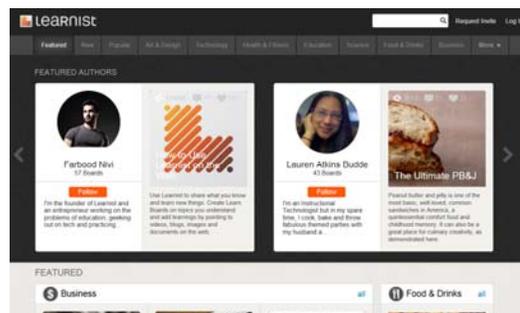
Opener #10. Networks of Personalized Learning (Blogs, Podcasts, MySpace, Flickr, and RSS)



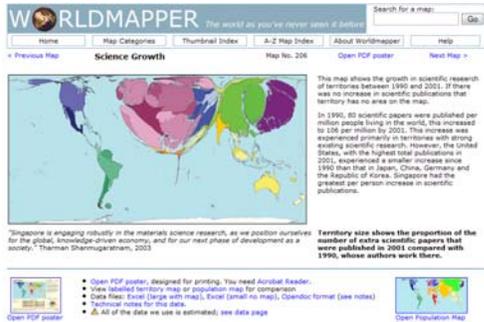
The Samsung DualView TL225

Student Expertise (e.g., Learnist)

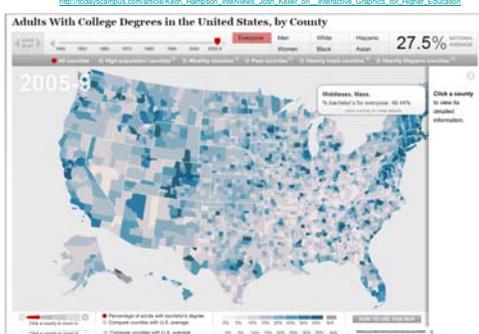
<http://learni.st/category/featured#/category/featured>



World Trends and Indices (e.g. Worldmapper)



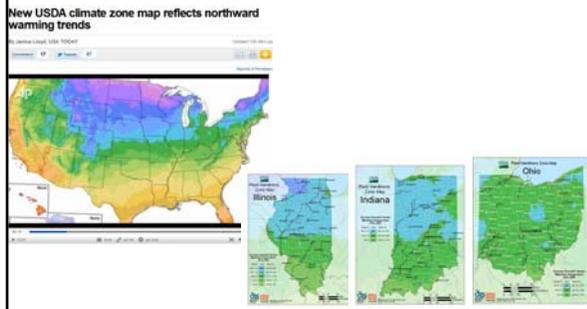
Interactive Maps (adults with college degrees by county, May 7, 2012)



Interactive Maps

(e.g., New USDA climate zone map reflects northward warming trends, By Janice Lloyd, USA TODAY, January 26, 2012)

<http://www.usatoday.com/news/nation/environment/story/2012-01-26/USDA-climate-zone-map/52787142/1>



May 4, 2012

Flexible displays bend what's possible for computers, Jon Swartz, USA Today

http://mediagallery.usatoday.com/Flexible+screen+displays/G3657_A12064



Components of the wrist-worn display prototype developed at HP Labs are shown in this illustration. When completed, the device will incorporate a working flexible display powered by solar cells.

Online Language Learning

January 27, 2010 and Feb 5, 2010: The Web Way to Learn a Language, NY Times, ERIC A. TAUB (e.g., EnglishCentral, iTalki, Palabea, Babbel)

Learn Italian on Your Terms!

Sign Up Now!

30 free lessons & 476 conversations. Take the tour >

Listen Review Practice Reinforce

December 16, 2010 Introducing Word Lens

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

Introducing Word Lens

Word Lens - iPhone App

3,807,753

Word Lens - http://itunes.apple.com/app/word-lens/id313402020

download now on the App Store, and purchase language packs when you need them!

May 7, 2012
Google+ Hangouts On Air: broadcast your conversation to the world

<http://googleblog.blogspot.com/2012/05/google-hangouts-on-air-broadcast-your.html>

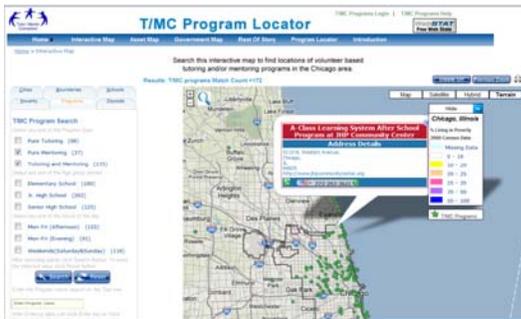


June 3, 2012
Webheads discussion about MOOC



June 3, 2012
Tutor/Mentor Connection (Chicago)

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

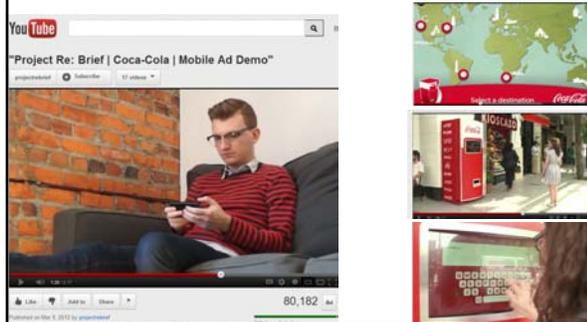


April 7, 2011
Expert Tutors as Mobile Apps (e.g., Tutor.com)



May 8, 2012
"Project Re: Brief | Coca-Cola | Mobile Ad Demo"

<http://www.youtube.com/watch?v=45Z-GevoYB8&feature=relmfu>



Decisions for this Open Ed World...

- **Technology & Administrator Decisions:**
 - What do to about OER, open sources, 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!!!

