

I am Not Content: The Future of Education Must Come Today

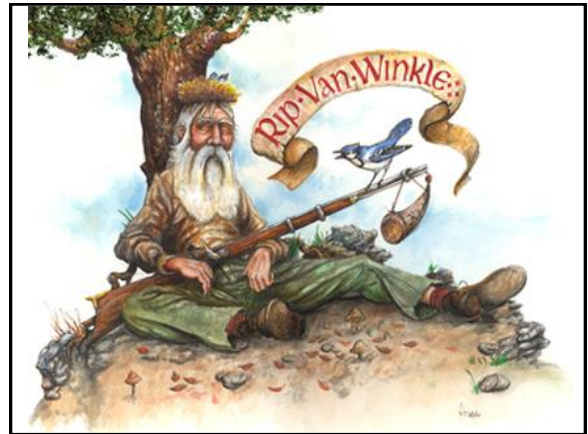
Curtis J. Bonk, Professor, Indiana University
 cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>



(Circa Confucius 551–479 BCE)



Academos Plato Circa 428–347 BCE



Poll:
**Read any books on
 creativity or innovation
 lately?**



1. Creativity, Inc.

Ed Catmull, President of Pixar Animation
 and Disney Animation

<http://www.creativityincbook.com/>



2. Big Magic: Creative Living Beyond Fear (2015)

Elizabeth Gilbert

<http://www.elizabethgilbert.com/>

https://www.ted.com/talks/elizabeth_gilbert_success_failure_and_the_drive_to_keep_creating?language=en

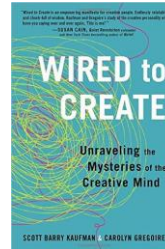


3. Wired to Create: Unraveling the Mysteries of the Creative Mind (2015)

Scott Barry Kaufman & Carolyn Gregoire

<http://www.amazon.co.uk/Wired-Create-Unraveling-Mysteries-Creative/dp/0393741109>

<http://www.scientificamerican.com/article/how-to-cultivate-your-creativity-book-excerpt/>

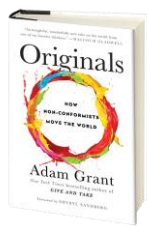


4. Originals: How Non-Conformists Move the World (2016)

Adam Grant

<http://www.adamgrant.com/2016/03/04/c149/>

Pinkcast 2. Advice from Adam Grant: Look for "disagreeable givers"
(March 2, 2016)



5. The Innovators:

How a group of hackers, geniuses, and geeks
created the digital revolution. New York: Simon
& Schuster.

Walter Isaacson (2014)

<http://books.simonschuster.com/The-Innovators/Walter-Isaacson/9781476708699>



More Recent Innovation
I am happy!
and...
My minions are happy!



June 17, 2015

**With Its Invention, This Bengaluru-Based Startup
Could Beat Google and Facebook, Kirti Sharma,**

<http://www.indianweb2.com/2015/11/17/saankhya-labs-pruthvi-chip/>

	White Space	Wireless (WiFi)	Satellite	Cellular (4G)
Uplink Capex for building network	Low	High	Low	High
Time to build the network	Short	Long	Short	Short
Spectrum or licensing Cost	Low	Long	High	Very High
Network downtime	Low	Free	High(Rains)	Low
Network Congestion	Low	Low	Low	High
Data Speed	Medium	Very High	Low(UpLink)	High
Network Connection	Dedicated	Medium	Shared	Shared

Table comparing the variou



January 13, 2016

As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam, Paul Basken, Chronicle of Higher Education

<http://chronicle.com/article/As-an-Open-Access-Megajournal-Cedes-Some-Ground-a-Movement-Gathers-Ste/234899>

As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam



Open Access Makes Steady Gains

Year*	All published research articles	Articles published in fully open-access format	Percentage
2008	2,086,373	97,132	4.6%
2009	2,123,313	113,155	5.3%
2010	2,086,077	136,588	6.5%
2011	2,196,708	152,995	7.0%
2012	2,382,264	176,562	7.4%
2013	2,498,916	207,024	8.3%
2014	2,376,804	229,517	9.7%
2015	2,614,708	234,238	12%

Source: Thomson Reuters Web of Science database of scientific journal articles. [Get the data](#)

January 15, 2016

Wikipedia at 15 Scott McLeod, Inside Higher Ed

https://www.insidehighered.com/news/2016/01/15/wikipedia-15th-anniversary?utm_source=inside+higher+ed&utm_campaign=4d9248982-00020160115&utm_medium=email&utm_term=0_16b0d6421-64b248982-127262461



Wikipedia at 15



Celebrate or hate it as you will, writes Scott McLeod, Wikipedia has metamorphosed from its beginnings as a gangly cultural interloper into the de facto reference work of first resort.

January 15, 2016
by Scott McLeod

Wikipedia came into the world 15 years ago today — and, man, what an ugly baby. The first snapshot of it in the Internet Archive is from late March of 2001, when Wikipedia was already 10 weeks old. At that point, it claimed to have more than 3,000 pages, with an expressed hope of reaching

January 20, 2016

Udemy: "Get cozy with a class"

udemy@email.udemy.com

January 20, 2016

Universities tap growth of craft beer, offer classes, Chicago Tribune

<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>

Chicago Tribune

Universities tap growth of craft beer, offer classes



February 17, 2016

World's Cheapest Smartphone at \$3.67

<https://m.facebook.com/jasheef/launches?laid=526...in...%26e>
<https://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-rs-251-40402>



March 2, 2016

Obama to headline SXSW technology conference

Gregory Korte, USA Today (March 12 and 16)

<http://www.usatoday.com/story/news/politics/2016/03/02/obama-headline-sxsw-technology-conference/81204886/>

USA TODAY

Obama to headline SXSW technology conference

Gregory Korte, USA TODAY



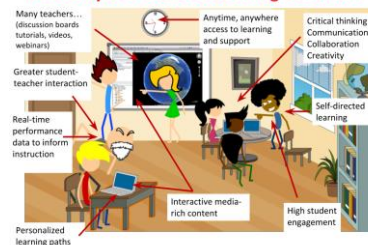
WASHINGTON — President Obama will attend the South by Southwest Interactive conference in Austin, Texas, next week, calling on the tech-savvy audience to put technology to work on getting more people involved in politics and fighting climate change.

At the conference, Obama will sit down with Texas Tribune Editor-in-Chief Evan Smith March 11 for a conversation about civic engagement, the White House and conference organizers said Wednesday. First lady Michelle Obama will also attend to discuss her Let Girls Learn initiative, which aims to help girls around the world who don't have access to formal schooling.

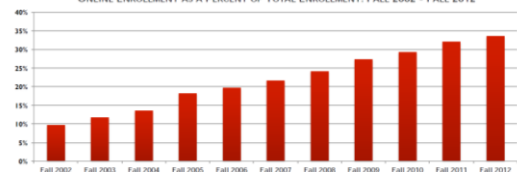


March 14, 2016**Behind a Computer's Surprise Victory,
Hints of Global Economic Upheaval****Paul Basken, The Chronicle of Higher Education**<http://www.chronicle.com/article/Behind-a-Computer's-Surprise-Victory-Hints-of-Global-Economic-Upheaval/239847>
<http://www.usatoday.com/story/tech/2016/03/14/robots-and-robots-geminoids/81789714/>**Behind a Computer's Surprise Victory,
Hints of Global Economic Upheaval**

Forget the robots — here come the geminoids!

**March 15, 2016****Siri's Inventor Ponders
a Giant Brain in the Sky****Marco della Cava, USA Today (Chicago Sun Times)**(...entrepreneur Dag Kittlaus who developed the Siri...) Later this year, he will unveil Viv, an open source and cloud-based personal assistant that will allow humans "to talk to the Internet" and have the Internet talk back.
<http://www.usatoday.com/story/tech/news/2016/03/15/siri-inventor-ponders-a-giant-brain-in-the-sky/81789714/>**SIRI'S
INVENTOR
PONDERS 'A
GIANT BRAIN
IN THE SKY'**Looking back, Siri's success...
He with Siri's success...
about that with learning...
control questions...This calling these two in...
ground to two looking...
giant in Siri's invento...
that the two men in...
human mind space for...
idea.While no person was in...
vision as the Siri...
only a giant robot that...
the Siri-inventor...
invented Siri...
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a Siri with personal...
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the Siri robot...
the Siri robot...The Siri robot...
the Siri robot...
the Siri robot...
the Siri robot...
the Siri robot...
the Siri robot...**So much innovation!****But I am not Content!!!****Why Not Content?****Reason #1: We're still needing to
define what "Blended Learning" is...****Anatomy of a Blended Learning Classroom****Why Not Content?****Reason #2: Acceptance and use of e-learning, MOOCs, etc. still seen as unusual...****February 5, 2015****Learning is More Online****2014 Survey of Online Learning****Grade Level: Tracking Online Education in the United States, 2014, Online Learning Consortium (formerly Sloan-C), by I. Elaine Allen and Jeff Seaman**
<http://www.onlinelearningconsortium.com/reports/gradelevel.pdf>
<http://edition.cnn.com/videos/business/2015/03/11/wbt-yale-offers-online-degree-2u-ceo.cnn>

ONLINE ENROLLMENT AS A PERCENT OF TOTAL ENROLLMENT: FALL 2002 - FALL 2012



Why Not Content?

Reason #3: Back to square one with MOOCs...(i.e., the resistance movement has reemerged)



Overcoming the Resistance Movement



Why Not Content?

Reason #4: The pervasive need for success stories...



November 18, 2015

Focused Ga. Mom Completes College Exam While in Labor, Fox 5, Atlanta

<http://www.foxsatlanta.com/news/50990044-story>



Photos provided to FOX 5 News by Tammeline Collins.

October 30, 2015

Migrants get help through German online university

Mihret Yohannes and Jabeen Bhatti, Special for USA TODAY, USA Today
<http://www.usatoday.com/story/news/world/2015/10/29/migrants-get-help-through-german-online-university/74472260/>
 "Kiron (University) relies on existing "mass open online courses," or MOOCs, and works with eight academics from Harvard and MIT to create a two-year course of study. This will provide many refugees with credits that can transfer to 35 traditional, brick-and-mortar universities across Europe that are partners with Kiron."



January 7, 2016

Google Cardboard saves baby's life
CNN, Elizabeth Cohen

<http://www.cnn.com/2016/01/07/health/google-cardboard-baby-saved/index.html>



April 20, 2015

250 MOOCs and Counting: One Man's Educational Journey, Chronicle of Higher Education

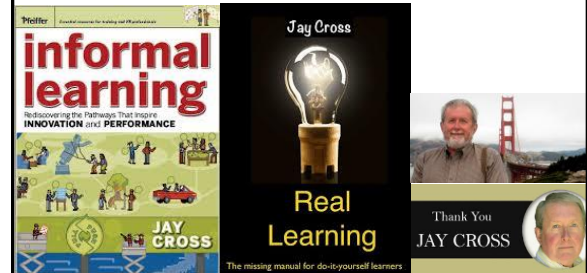
<http://chronicle.com/article/250-MOOCsCounting-One/229397/?cid=at>
If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.



Jima Ngei: "I had this unrelenting fear that this miracle of free access might evaporate soon."

Why Not Content?

Reason #5: The continuing emphasis on formal over informal (and "real") learning



Why Not Content?

Reason #6: The new "Four Horsemen" of the Apocalypse: Quality, Copyright, Plagiarism, and Assessment...



January 5, 2016

Use Of MOOCs And Online Education Is Exploding: Here's Why

Josh Bersin, Forbes

<http://www.forbes.com/sites/joshbersin/2016/01/05/use-of-moocs-and-online-education-is-exploding-heres-why/#29bacda1708>

Now that we have all this great content available, the big trend is the availability of **credentials** – tests and accreditation you can receive for a fee. Most of the MOOC providers now offer such credentials (there are over 100) and they include tools like Nanodegrees (Udacity), Credentials of Readiness (Harvard), XSeries (EdX), and many more. It's not yet clear how well these credentials will be recognized by employers, but that's where this market is going.

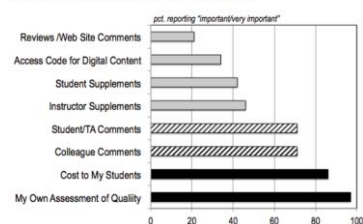
In the corporate space, video-based self-study courses are exploding everywhere. Providers like Udemy, SkillSoft, Lynda (LinkedIn), Grovo, and BigThink are now exploding with expert content. Other companies with professional education include SkillShare, Pluralsight, General Assembly, Flogg, Iversity, and many others. Most of these companies focus on technical education – software skills, IT systems, and other technical topics.

February 21, 2016

No Rush to 'Go Digital', Carl Straumsheim, Inside Higher Ed

https://www.insidehighered.com/news/2016/02/22/study-faculty-members-skeptical-digital-course-materials-unfamiliar-oer?utm_source=Inside+Higher+Ed&utm_campaign=194526da11-DNU20160222&utm_medium=email&utm_term=0_1fcb04421-194526da11-197362401

What Factors Influence Faculty Decisions About Course Materials?



March 15, 2016

Panel: Ditch Grades Now, Focus on Student Learning
David Nagel, THE Journal

Teaching with Technology

Panel: Ditch Grades Now, Focus on Student Learning

By David Nagel | 03/15/16

Teach without grades. Teach without tests. Teach without homework. That's the message from a growing number of educators who are not only advocating but actually making substantial changes in their classroom practices by eliminating grades and scores entirely.

Why Not Content?

Reason #7: People assume digital and virtual will replace all...



Why Not Content?

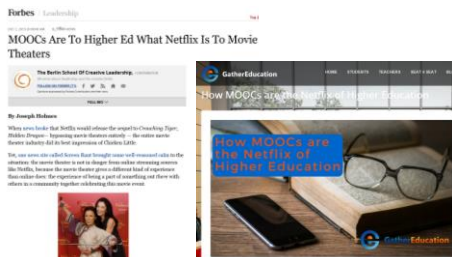
Reason #8: The Lack of the 3 R's: Respect, Resources, and Recognition...



December 7, 2015 MOOCs Are To Higher Ed What Netflix Is To Movie Theaters

Forbes, Joseph Holmes

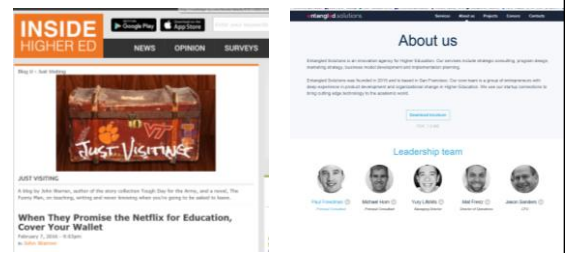
<http://www.forbes.com/sites/josephholmes/2015/12/07/moocs-are-to-higher-ed-what-netflix-is-to-movie-theaters/#7f2b6a126f72>
<http://www.gathereducation.com/blog/2015/12/07/moocs-are-the-netflix-of-higher-education/>



February 7, 2016 When They Promise the Netflix for Education, Cover Your Wallet

Inside Higher Ed, John Warner

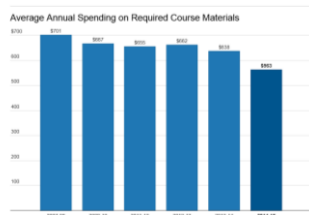
<https://www.insidehighered.com/blog/2016/02/07/when-they-promise-the-netflix-for-education-cover-your-wallet>
<https://www.insidehighered.com/blog/2016/02/07/when-they-promise-the-netflix-for-education-cover-your-wallet>



February 25, 2016 Students Are Spending Less on Textbooks, but That's Not All Good

Phil Hill. The Chronicle of Higher Education

<http://chronicle.com/article/Students-Are-Spending-Less-on-Textbooks-But-That-s-Not-All-Good/2417116538461>
<http://chronicle.com/article/Students-Are-Spending-Less-on-Textbooks-But-That-s-Not-All-Good/2417116538461>



Why Not Content?

Reason #9: Endless barrage of learning technology news...



Poll: Read Any Research Lately? October 25, 2014



OER Evidence Report 2013-2014

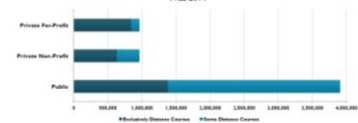
Building Understanding
of Open Education



February 2016 Online Report Card – Tracking Online Education in the United States

Babson Survey Research Group and co-sponsored by the Online Learning Consortium (OLC), Pearson, StudyPortals, WCET and Tyton Partners
<http://onlinelearningconsortium.org/read/online-report-card-tracking-online-education-united-states-2015/>
<http://onlinelearningsurvey.com/reports/online-reportcard.pdf>

ENROLLMENT OF STUDENTS TAKING AT LEAST ONE COURSE AT A DISTANCE
Fall 2014

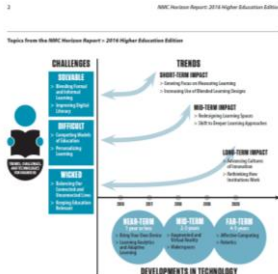


There is variation in the proportion of students taking "At Least One" course at a distance by sector:

- 27% of public institution students took at least one distance course.
- 23% of private non-profit students took at least one distance course.
- 40% of private for-profit students took at least one distance course.

February 2016 NMC Horizon Report > 2016 Higher Education Edition

<http://www.nmc.org/publication/nmc-horizon-report-2016-higher-education-edition/>
<http://cdn.nmc.org/media/2016-nmc-horizon-report-he-EN.pdf>



Why Not Content? Reason #10: Too many tweakers... and not enough bold vision!

THE CHRONICLE OF HIGHER EDUCATION

3 Takeaways From the SXSWedu Conference

By Leslie Brinkman and Jeffrey A. Young | March 12, 2015

Digital education and other work that sits in "pre-market" the college experience more all the while in the 2010s, education has not made... along with... at times when we're seeing that college here so far failed to adequately reflect... and when those institutions are being used to teach students, as it often is.

The first day event, an outline of the... people inside the education sector and... the horizon, brought together more... and participants from all walks of... education, teachers and professors... administration and public leaders, and... and not only equity.



Rosemarie Foulger, one of the students, who transferred to Minerva this year from the University of Birmingham, in England... said she was somewhat disappointed by the lack of boldness she heard from speakers or attendees. "No one was going far enough in higher ed," she said. They "seemed to be making tweaks."

Therefore, I am not content!
Are you?



We are entering a jumping off point...

(South University of Science and Technology of
China, Wednesday June 10, 2015)



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



Poll: Remember what technology you used to own?



Fast Forward 30+ Years... "Anyone can now learn anything from anyone at any time."



Thirty Ways Learning is Changing... (i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)

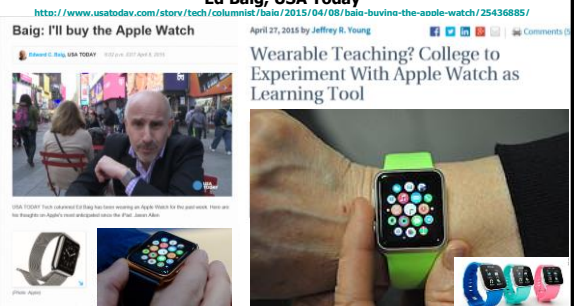


I. Learning is More Mobile (e.g., mobile courses on smartphone) April 2, 2015

Review: Samsung rises to challenge with Galaxy S6 and S6 Edge



April 9, 2015 I'll Buy the Apple Watch Ed Baig, USA Today



May 14, 2015

Smartphone separation anxiety: How bad is your nomophobia?

Today Health, Meghan Holohan

<http://www.today.com/health/smartphone-separation-anxiety-how-bad-yours-120786>

Smartphone separation anxiety: How bad is your nomophobia?

Smartphone separation anxiety: How bad is your nomophobia?

It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- (no mobile phone phobia) and researchers have found a way to evaluate how severe a person's nomophobia really is.

It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- (no mobile phone phobia) and researchers have found a way to evaluate how severe a person's nomophobia really is.

**March 2, 2015**

Beware the smartphone zombies blindly wandering around Hong Kong, Mark Sharp, South China Morning Post

<http://www.scmp.com/lifestyle/technology/article/1725001/smartphone-zombies-are-putting-your-life-and-theirs-danger>

Beware the smartphone zombies blindly wandering around Hong Kong

Distraction walking, as the experts call it, is a growing menace in the MTR and on the streets of Hong Kong. Experience elsewhere shows it can be deadly.

Mark Sharp
Tech-@McGill.ca

PUBLISHED: March 02, 2015
UPDATED: March 02, 2015



The MTR has warned that commuters checking their phones are not paying adequate attention to safety concerns. Photo: Reuters Ltd.

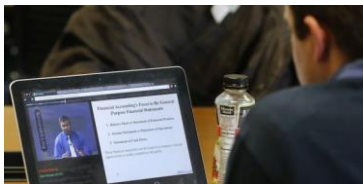
The zombies are everywhere. They wander the streets, absorbing traffic and MTR cautions. Heads down and oblivious to the world around them.

II. Learning is More Flipped

January 7, 2015

When a Flipped-Classroom Pioneer Hands Off His Video Lectures, This Is What Happens, Jeffrey R. Young, The Chronicle of Higher Education

<http://chronicle.com/article/When-a-Flipped-Classroom-Pioneer-Hands-Off-His-Video-Lectures/131032/>



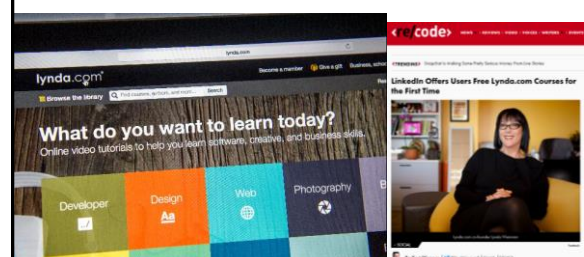
A student watches a video of Norman Nemrow's accounting class. Mr. Nemrow started the video lectures nearly 15 years ago at Brigham Young U. He is now retired, but students still watch him on the screen.

III. Learning is More Video-Based

June 16, 2015

Lynda.com Excel Training, IU
Acquired for \$1.5 Billion, April 23, 2015

<http://www.lynda.com/Excel-tutorials/Excel-2010-Essential-Training/61219-2.html>



IV. Learning is More Visual

September 22, 2014

110 Foot Engagement,
Elliott Masie's Learning 2014

<http://www.learning2014.com/index.php/item/110-foot-screen-engagement.html>



V. Learning is More Touch Sensored

October 16, 2013

Corporate Classrooms: Adapting to Change
Chief Learning Officer, Frank Kalman

<http://www.chmedia.com/articles/corporate-classroom-adapting-to-change>

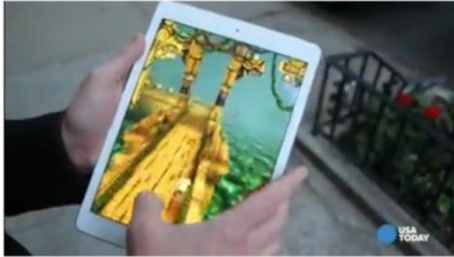


VI. Learning is More Game-Based

October 21, 2014

Sexy iPad Air 2 is fabulous but not a must upgrade, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2014/10/21/ipad-air-2-features-tablet-is-not-must-upgrade/12568295/>



VII. Learning is More Immersive

April 2, 2015

The Quest to Put More Reality in Virtual Reality,
Review: Samsung rises to challenge with Galaxy S6 and S6 Edge, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2015/03/31/samsung-rises-to-challenge-with-galaxy-s6-s6edge/79727752/>



Review: Samsung rises to challenge with Galaxy S6 and S6 Edge



NextVR crewmembers set up their virtual reality cameras at an NBA game, allowing viewers of the live event to see the game from a variety of positions in the arena.

July 23, 2015

Meet Osterhout and its \$2,700 AR glasses

June 10, 2015

Augmented reality promises 'superpowers', and people are listening
The USA Today, Marco della Cava

<http://www.usatoday.com/story/tech/2015/07/25/meet-osterhout-and-its-2700-ar-glasses/3662866/>
<http://www.usatoday.com/story/tech/2015/06/09/tech-wipe-outlights-out-approach/34374683/>



Letsee is an AR app from a South Korea consumers to scan a product and see reviews instantly overlaid overtop.



March 2, 2016

10 AR/VR sets that take you to another world

USA Today, Marco della Cava

<http://www.usatoday.com/story/tech/news/2016/02/20/vr-what-gears-here-and-whats-coming/81112842/>



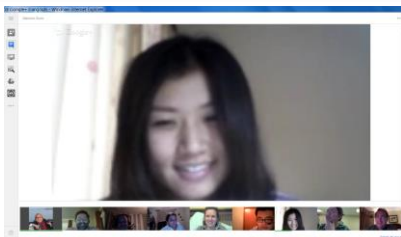
Samsung Gear VR offers a virtual reality experience anchored to an Android smartphone.

VIII. Learning also is More Collaborative

March 26, 2014

Flat Connections: Welcome to Flat Connections - Learning about the world, with the world
<http://www.flatconnections.com/>

Global Collaboration Projects that Go Way Beyond Skype

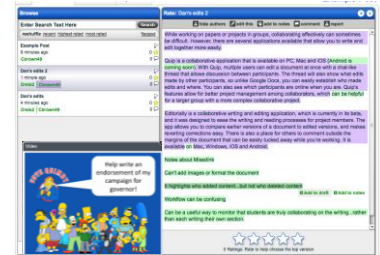


October 7, 2013

6 collaborative writing applications for group projects or papers, Casey Brown, Elon University

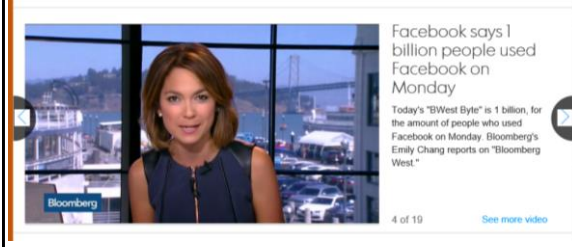
<http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/>

MeetingWords, Google Docs, NowComment, MixedInk
(http://www.mixedink.com/#/_how_it_works)



September 1, 2015 IX. Learning is More Social

Facebook says 1 billion people used Facebook on Monday, USA Today
<http://www.usatoday.com/tech/>



X. Learning is More Adventurous May 7, 2015

Aaron Doering, Chasing Seals, TEDx
<http://chasingseals.com/>
<https://twitter.com/chasingseals>



XI. Learning is More Direct from Experts February 2, 2015

Here Comes Professor Everybody: The 'sharing economy' meets higher education, Chronicle of Higher Education, Jeffrey R. Young
<http://chronicle.com/article/Here-Comes-Professor-Everybody/151445?cid=at>



January 19, 2015 XII. Learning is More Synchronous (International Open Badges Extravaganza) European Meeting in Zoom, November 2015)



XIII. Learning is More Digital October 23, 2014

New Amazon Kindle is a Voyage into eReader luxury, USA Today, Edward C. Baig
<http://www.usatoday.com/story/tech/columnist/baig/2014/10/23/amazon-kindle-voyage-into-e-reader-luxury/7781252>



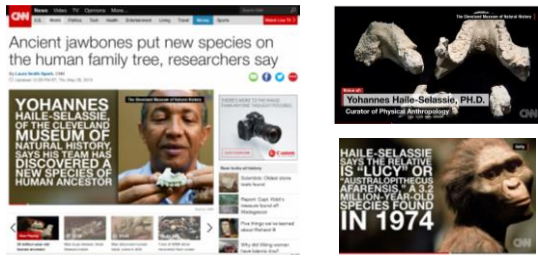
XIV. Learning is More Blended March 22, 2015

Madagascar marvel:
Divers find fossils of extinct giant lemurs
Daisy Carrington, for CNN, March 22, 2015
<http://www.cnn.com/2015/03/19/africa/underwater-fossil-lemur-graveyard-madagascar/index.html>



May 28, 2015 (Immediate, Digital, and Resource Rich)

Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN
<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>



May 28, 2015

New species from Ethiopia further expands Middle Pliocene hominin diversity, Nature

<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>
<http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html>



XV. Learning is More Informal June 29, 2015

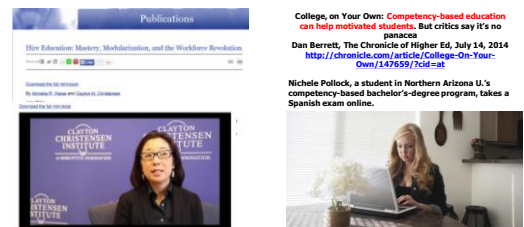
Is Facebook the next frontier for online learning?

Christine Greenhow; greenhow@msu.edu, Andy Henion
<http://msutoday.msu.edu/news/2015/is-facebook-the-next-frontier-for-online-learning/>



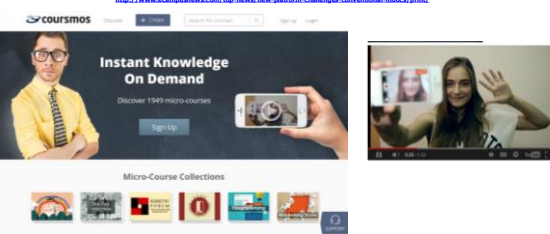
XVI. Learning is More Competency-Based July 31, 2014

Hire Education: Mastery, Modularization, and the Workforce Revolution, Michelle R. Weise and Clayton M. Christensen, The Christensen Institute
<http://www.christenseninstitute.org/publications/hire/>



XVII. Learning is More On Demand May 5, 2014

Mobile MOOCs: New platform challenges conventional MOOCs
 eCampus News (<https://coursmos.com/>)
<http://www.ecampusnews.com/top-moocs/new-platform-challenges-conventional-moocs/print/>



XVIII. Learning is More Hands-On February 2, 2015

Makey Makey and the Kano
<http://makeymakey.com/>
<https://vimeo.com/60307041>



March 2, 2016 XIX. Learning is More Personal

Florida lawmakers push personalized learning

Leslie Postal, Orlando Sentinel (eSchool News)

<http://www.orlandosentinel.com/story/news/education/2016/03/02/competency-based-education-florida-state-schools-20160212-story.html>

Florida lawmakers push personalized learning



A growing number of schools are backing an effort that helps align learning to an individual student's



Learning is More Personal

Localization and Translation of Open Content

Coursera, Global Translator Community, Chronicle of Higher Education
<https://www.coursera.org/about/translate>

Coursera Seeks to Create a 'Global Translator Community'

Bring a great education to the world.
Join the **Global Translator Community**.

[Sign Up](#)

The Global Translator Community (GTC) is a community of volunteers and partner organizations working to make great educational content accessible across geographic and linguistic boundaries. GTC participants work together to translate top courses on Coursera into their native languages.

[Join the GTC >](#)

[Meet our translators >](#)



XX. Learning is More Communal

April 30, 2014

New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int'l Partners, Coursera Learning Hubs

<https://www.coursera.org/about/programs/learningHubs>

<http://blog.coursera.org/post/84322385012/new-learning-hubs-locations-hosted-by-the-new-york>



XXI. Learning is More Online

June 15, 2014

Starbucks offers workers 2 years of free college, CNN Money, Gregory Wallace (from Arizona State online programs)

http://money.cnn.com/2014/06/15/news/economy/starbucks-schultz-education/index.html?hpt=hp_12

<http://www.nytimes.com/2014/06/16/us/starbucks-to-provide-free-college-education-to-thousands-of-workers.html>

Why Free Online Classes Are Still the Future of Education



Getting a College Degree, With Help From Starbucks



XII. 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>



XIII. Learning is More Comfortable

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



XIV. Learning is More Ubiquitous September 23, 2014

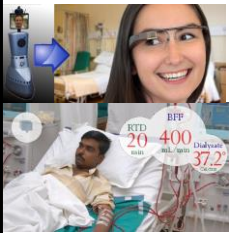
Elliott Masie's (i-Beacon; [Bluetooth low energy proximity sensing](http://www.learning2014.com/index.php/learning-trends-and-challenges-webinar.html))
<http://www.learning2014.com/index.php/learning-trends-and-challenges-webinar.html>

On September 23, 2014 Elliott Masie hosted a webinar discussing Learning Trends and Challenges in 2014. Below is the video from this dialogue.



XV. 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-apple-health-glass-pokemon-shine-rife-microsoft-learning/1979112/>
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.hercmobilehealthcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



XVI. Learning is More Free August 5, 2014

OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal
<http://thejournal.com/articles/2014/08/05/openstax-aims-to-bring-free-digital-textbooks-to-high-schools.aspx>

New mobile app helps a Cambridge press offer free digital monographs even to those without computers



ROBERT GUTTY
Screen savers: books can now be read on almost any mobile phone



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>



XXVII. Learning is More Self-Directed February 2013

TED Talks

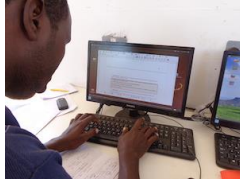
(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html



XXVIII. Learning is More Global May 26, 2015

Exploring by the Seat of Our Pants
National Geographic, Jessica Shea

<http://blog.education.nationalgeographic.com/2015/05/26/exploring-by-the-seat-of-our-pants/>



Two men living in Dadaab, a refugee camp in Kenya, would watch lecture videos and take online quizzes at a nearby United Nations compound. (InZone)

XIX. Learning is More Open (December 2, 2014)

Nature, Openwords, etc.

<http://www.openwords.com/>

<https://www.facebook.com/Openwords>



March 14, 2016 XXX. Learning is More Modular How Nanodegrees Are Disrupting Higher Education

John Waters, Campus Technology

<http://campustechnology.com/articles/2015/08/06/how-nanodegrees-are-disrupting-higher-education.aspx>

How Nanodegrees Are Disrupting Higher Education
New "nanodegree" online certification programs are changing the educational landscape in selective in-college industries.

By John K. Waters 08/02/15



Google

Autodesk

Intuit

at&t

cloudra

cadence

NVIDIA

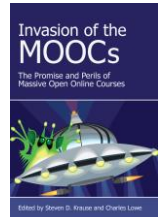
FINANCIALACADEMY



XXX. Learning is More Massive

Sample Course: Open Knowledge:
Changing the Global Course of Learning
September 2, 2014 to December 12, 2014, Stanford

<https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about#>
Softcover (\$30): http://www.parlorpress.com/invasion_of_the_moocs
Free (PDF): http://www.parlorpress.com/pdf/invasion_of_the_moocs.pdf



Global Health Initiatives October 7, 2014

Online Mooc courses deliver Ebola health
advice, BBC News, Sean Coughlan

<http://www.bbc.com/news/education-29521360>

<http://www.advancelearning.com/why-wait-for-others-to-fight-ebola>



WHY WAIT FOR OTHERS TO FIGHT
EBOLA?

Disinfecting a room in Monrovia, Liberia: Online courses are providing health advice to fight Ebola.

May 26, 2015

Edtech and MOOC Times in China

Michael Trucano On Tue, 05/12/2015, EduTech
<https://blogs.worldbank.org/edutech/edutech-and-mooc-times-china>

Edtech and MOOC Times in China

SUBMITTED BY MICHAEL TRUCANO ON TUE, 05/12/2015

1 Share 1 Tweet 1 8+ 0



June 26, 2015

In China, Where Everything is a MOOC,
Education Week, Justin Reich, HarvardX Research Fellow
http://blogs.edweek.org/edweek/edtechresearcher/2015/06/in_china_where_everything_is_a_mooc.html?ref=264759497

The most memorable line from my recent visit to China was this: "We have 12 million K-12 teachers in China who need to receive this particular in-service training, so we started with a group of about 200,000."



Employee to Employee Training
G2g (Googler to Googler) Training
Seven Ways to Corporate MOOC, Udemy blog,
December 23, 2013, Shannon Hughes
<https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/>

Classes range from management and public speaking, to parenting and mountain climbing.

HERE'S A GOOGLE PERK ANY COMPANY CAN IMITATE:
EMPLOYEE-TO-EMPLOYEE LEARNING

GOOGLE OFFERS OWNERS HANDS-ON TRAINING VALUABLE SKILLS AND CLASSES AS WELL AS OPPORTUNITIES AND CAREER ADVISORS AND WORKSHEETS FOR EMPLOYEES TO LEARN FROM EACH OTHER AND FROM THE COMPANY.

BY SHANN HUGHES



Let's Review:
Learning is Changing...

(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)



Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge.



Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

Things are heating up!

<http://routledge-ny.com/books/details/9781138807419/>

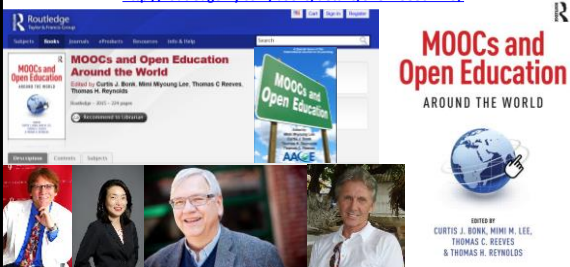


MOOCs and Open Education Around the Word

By Bonk, Lee, Reeves, & Reynolds

Bonk Raffle...Book Raffle:
MOOCs and Open Education
Around the World

<http://routledge-ny.com/books/details/9781138807419/>



Any Comments or Questions?

Slides at: TrainingShare.com

Papers: PublicationShare.com

Book: <http://tec-variety.com/>

Email: curt@worldisopen.com

