

Learning is Changing: MOOCs, The Open World, and Beyond

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(Circa Confucius 551–479 BCE)



**Academos
Plato Circa 428–347 BCE**



Poll #1:

**Do you prefer this type of
education--lectures?**

A = Yes

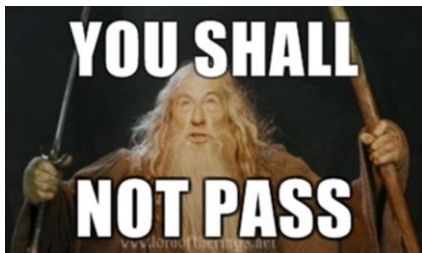
B = No

C = Not sure



Poll #2:

**Do you really remember those
days of the lecture?**



**This is a new age of
learning and instruction...!**



From Instructor as Credit Manager...to...



1. Instructor as Concierge



2. Instructor as Consultant



3. Instructor as Conductor



5. Instructor as Curator



Age of Instructor as Curator, Concierge, Counselor, etc.



Poll #3:
Read any good books lately?



1. Drive: The Surprising Truth About What Motivates Us

Daniel Pink (2009)

Pinkcast 2.

Advice from Adam Grant: Look for "disagreeable givers"



2. Grit: The Power of Passion and Perseverance
Angela Duckworth (2016)



3. Mindset: The New Psychology of Success

Carol Dweck (2006)

<http://mindsetonline.com/index.html>

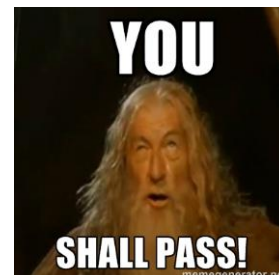
- Growth vs. fixed (i.e., entity) theories of intelligence
- Intelligence is not fixed
- Practice, practice, practice
- Do not blame others
- Learning goals over performance goals
- Asks: What can I learn from this?
- Asks: How can I improve?



4. Creativity, Inc. (2014)
Ed Catmull, President of Pixar Animation and Disney Animation
<http://www.creativityincbook.com/>



Poll #5:
What if you read these books?



Poll #6: Do you remember these computers from the 1980s?



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



Fast Forward 30+ Years...

"Anyone can now learn anything from anyone at any time."



We are entering a jumping off point...

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



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



February 17, 2016

World's Cheapest Smartphone at \$3.67

https://m.facebook.com/hashtag/launched?refid=528..._tn_=%26e
https://m.facebook.com/story.php?story_fbid=101533960012315798&id=102532930797
<http://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-rs-251-40482>



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-is-your-nomophobia-120786>

Smartphone separation anxiety: How bad is your nomophobia?

Smartphone separation anxiety: How bad is your nomophobia?



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

"Distorted walking" as the experts call it, is a growing phenomenon in the MTR and on the streets of Hong Kong. Experience somewhere where it can be deadly.

Mark Sharp
 South China Morning Post



June 22, 2015

Students' Mobile Learning Practices in Higher Education: A Multi-Year Study

Baiyun Chen, Ryan Seilhamer, Luke Bennett and Sue Bauer, EDUCAUSE Review

<http://er.educause.edu/articles/2015/6/students-mobile-learning-practices-in-higher-education-a-multi-year-study>

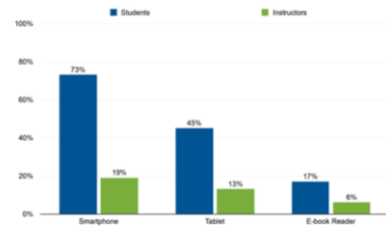


Figure 6. Student usage to instructor requirement of devices for assignments (N=1,181)

January 7, 2015

II. Learning is More Flipped

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/153033/>



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.

March 31, 2016

How Sal Khan Hopes to Remake Education, Jeffrey R. Young, The Chronicle of Higher Education

<http://chronicle.com/article/How-Sal-Khan-Hopes-to-Remake-Education/153033/>
<http://er.educause.edu/articles/2016/3/how-sal-khan-hopes-to-remake-education>

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TECHNOLOGY

How Sal Khan Hopes to Remake Education

By Jeffrey R. Young | MARCH 30, 2016



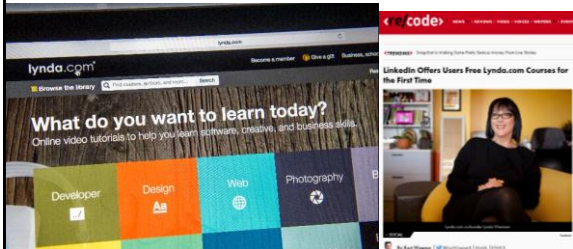
June 16, 2015

III. Learning is More Video-Based

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>



August 31, 2015

Short Educational Video Anchors:

CNN, BBC, TED, TED-Ed, ForATV

BBC One-Minute World News

<http://www.bbc.com/news/business-34105708>



August 5, 2015

Shubham Jaglan Overwhelmed by "Dream" Return Home After Double World Championship

Disha Chopra, NDTV Sports

<http://sports.ndtv.com/golf/news/246591-shubham-jaglan-overwhelmed-by-dream-return-home-after-double-world-championship>

<http://www.ndtv.com/videos/player/news/india-a-golf-prodigy-shubham-jaglan-returns-home-to-hero-a-welcome-377614>



April 5, 2016

Association for the Advancement of Computing in Education (AACE), YouTube Channel



September 22, 2014

IV. Learning is More Visual

110 Foot Engagement,

Elliott Masie's Learning 2014

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

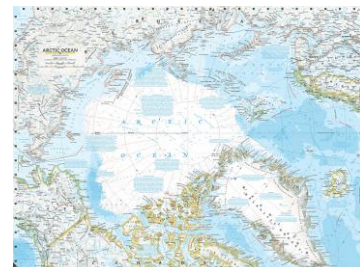


Map Animations

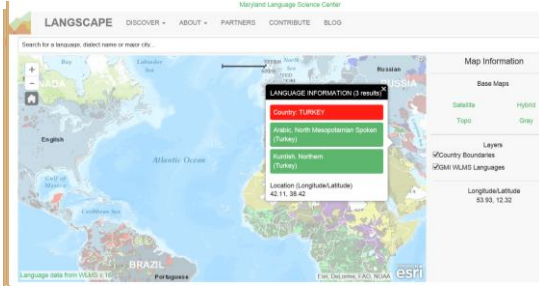
Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice

Christine Dell'Amore, National Geographic, August 3, 2015

<http://www.nationalgeographic.com/2015/08/03/atlas-to-reflect-shrinking-ice/>



March 24, 2015
Maps of Languages
Landscape, Language at Maryland



October 16, 2013
V. Learning is More Touch Sensed
 Corporate Classrooms: Adapting to Change
 Chief Learning Officer, Frank Kalman
<http://www.domeia.com/articles/corporate-classrooms-adapting-to-change>



April 2, 2015
VI. Learning is More Immersive

The Quest to Put More Reality in Virtual Reality,
Review: Samsung rises to challenge with Galaxy S6 and S6 Edge,
Edward Baig, USA Today
www.usatoday.com/story/tech/columnist/baig/2015/03/31/samsung-rises-to-challenge-with-galaxy-s6-s6edge/71



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.

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>

Google Cardboard saves baby's life

By Elizabeth Cohen, CHN Senior Medical Correspondent

Ⓜ Updated 6:08 PM ET, Thu January 7, 2016



July 23, 2015

Meet Osterhout and its \$2,700 AR glasses

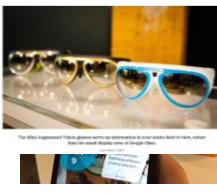
June 10, 2015

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/30627863/>
<http://www.usatoday.com/story/tech/2015/06/09/tech-expo-spotlights-our-augmented-future/28754693/>

http://www.scribd.com/doc/100773027/AMA-2007-07-02-Book-Report-001-Augmented-Transcript-07-24-07



Letsee is an AR app from a South Korean company that allows consumers to scan a product and see a 3D model of it, along with 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/2016/02/29/vr-what-gears-here-and-whats-coming/81112842/>



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

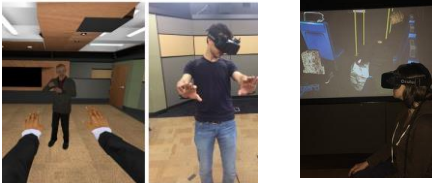


April 10, 2016

Virtual reality tested by NFL as tool to confront racism, sexism

Marco della Cava, USA Today

<http://www.usatoday.com/story/tech/news/2016/04/08/virtual-reality-tested-tool-confront-racism-sexism/82674406/>



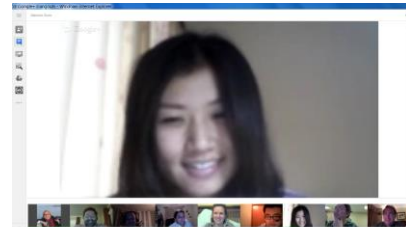
One VR diversity demo places the user in the body of an African-American woman as a white male avatar gets aggressive mere feet away. (In one Stanford VR demo, subjects are made to feel what is like to be homeless, as in this scene where the user is transported into the body of a woman riding the bus with a few possessions.)

March 26, 2014

VII. Learning also is More Collaborative

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

**April 28, 2016**

Shindig, Video Chat Tool

Future Trends Forum
 (with Bryan Alexander)

<https://bryanalexander.org/>

**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

**April 12, 2016**

VIII. Learning is More Social

Zuckerberg criticizes Trump's call for border wall at F8 conference,
 Natalie DiBiasio, USA Today

<http://www.usatoday.com/story/tech/news/2016/04/12/zuckerberg-criticizes-trumps-call-border-wall-f8-conference/82940466>



Facebook says 1 billion people used Facebook on Monday

Today's "West Tyler" is 1 billion, for the amount of people who used Facebook on Monday. Bloomberg's Emily Chang reports on "Bloomberg West."

4 of 19

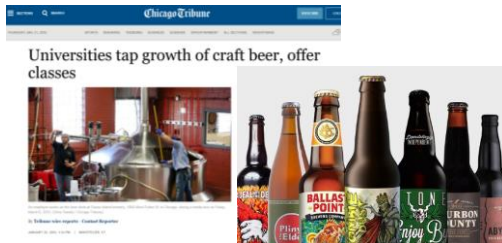
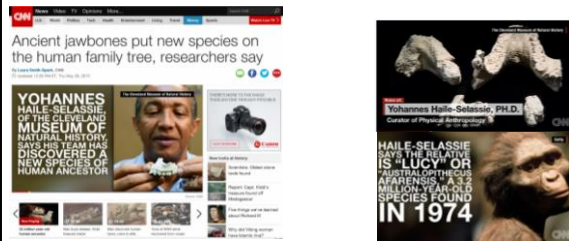
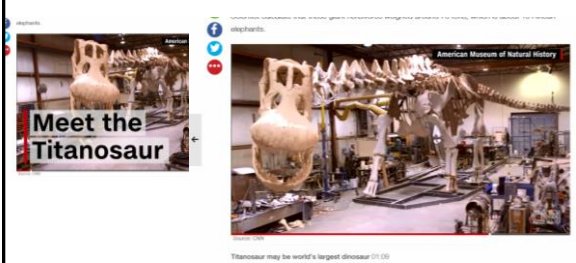
[See more video](#)

June 10, 2015

VIII. Learning is More Social

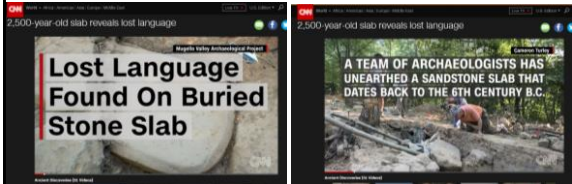
Tencent, Shenzhen, China



January 20, 2016**XIII. Learning is More Blended**
Universities tap growth of craft beer, offer classes, Chicago Tribune<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>**March 22, 2015****XIV. Learning is More Immediate**
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 Science!****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>**April 1, 2016****Learning is More Immediate**
Potential Vikings site in North America spotted from space, Jareen Inman, CNN<http://www.cnn.com/2016/04/01/world/vikings-site-space-irpt/index.html>**January 14, 2016****More Immediate Science...****Move over T. rex, new dinosaur unveiled, Amanda Jackson, CNN**<http://www.cnn.com/2016/01/14/living/titanosaurus-new-dinosaur-on-display-new-york-irpt/>

April 1, 2016 More Immediate Science...

(e.g., 2,500-year-old slab reveals lost language, CNN)
(A team of scientists have uncovered a 2,500-year-old slab that may reveal details about the ancient Etruscan civilization; found in Temple foundation north of Florence, Italy.)
<http://www.cnn.com/video/world/2016/04/01/italy-etruscan-slab-found-orig-vcn.cnn>



May 14, 2016 Mastodon bones offer clues of earliest humans in North America, Faith Karimi, CNN

Abstract: <http://advances.sciencemag.org/content/2/5/e1600375>
Full Article: <http://advances.sciencemag.org/content/2/5/e1600375.full>
Supplemental materials (PDF): <http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1>
PDF: http://advances.sciencemag.org/content/advances/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf



May 13, 2016 Pre-Clovis occupation 14,550 years ago at the Page-Ladson site, Florida, and the peopling of the Americas, Science Advances, Vol 2(5)

Abstract: <http://advances.sciencemag.org/content/2/5/e1600375>
Full Article: <http://advances.sciencemag.org/content/2/5/e1600375.full>
Supplemental materials (PDF): <http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1>
PDF: http://advances.sciencemag.org/content/advances/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf

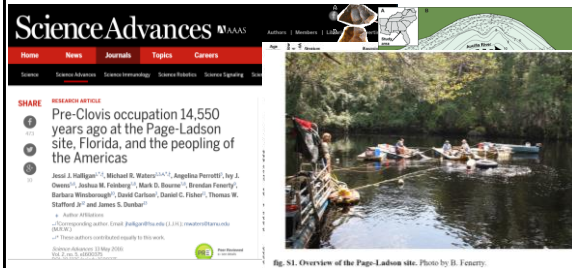


Fig. S1. Overview of the Page-Ladson site. Photo by B. Fenerty.

June 29, 2015 XV. Learning is More Informal

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/>



January 15, 2016 Wikipedia at 15 Scott McLemee, Inside Higher Ed

<https://www.insidehighered.com/digital-learning/article/2016/01/15/wikipedia-at-15>
DOI:10.1155/edu_medium-sma1101m_term=0_16b04421-44924898-197262461



Half-Way Point...(Activity #1) Please Share the Best Two Ideas so Far...



May 10, 2016

XVI. Learning is More Competency-Based

Developing a Flexible Degree

Cathy Sandeen, Inside Higher Ed
<http://chronicle.com/article/College-On-Your-Own/147659/?cid=at>

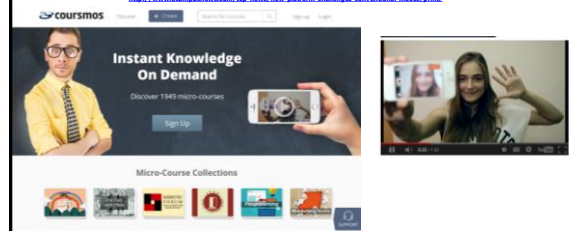


College, on Your Own: Competency-based education can help motivated students.
 Nichele Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.

**May 5, 2014**

XVII. Learning is More On Demand

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

**February 2, 2015**

XVIII. Learning is More Hands-On

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

**March 7, 2016**

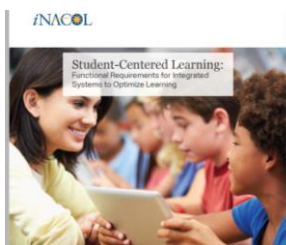
XIX. Learning is More Personal

Personalized Learning: What It Really Is and Why It Really Matters
 Michael Feldstein and Phil Hill, EDUCAUSE Review
<http://er.educase.edu/articles/2016/3/personalized-learning-what-it-really-is-and-why-it-really-matters/>

**May 5, 2016**

Learning is More Personal

Student-Centered Learning: Functional Requirements for Integrated Systems to Optimize Learning
http://www.inacol.org/content/uploads/2016/05/INACOL_FunctionalRequirementsforIntegratedSystems.pdf



Learning is More Personal

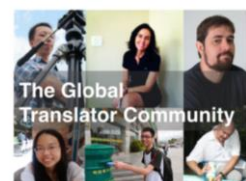
Localization and Translation of Open Content
 Coursera, Global Translator Community, Chronicle of Higher Education
<https://www.coursera.org/about/translate>

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 »

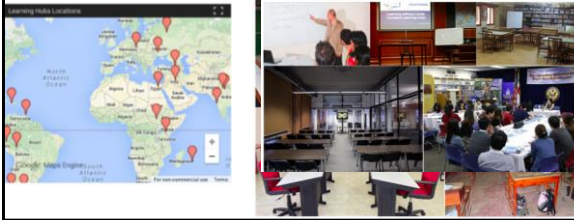


April 30, 2014

XX. Learning is More Communal

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>



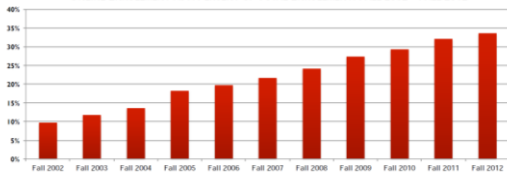
February 5, 2015

XXI. 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.org/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

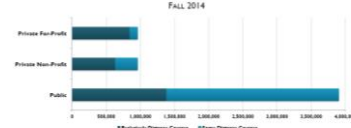


February 2016

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 Tychon Partners
<http://onlinelearningconsortium.org/read/online-report-card-tracking-online-education-united-states-2015/>
<http://www.onlinelearningconsortium.org/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.
- 60% of private for-profit students took at least one distance course.

June 15, 2014

Learning is More Online

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



November 18, 2015

Focused Ga. Mom Completes College Exam While in Labor, Fox 5, Atlanta
<http://www.fox5atlanta.com/news/50990044-story>



Photos provided to FOX 5 News by Tamielita Collins

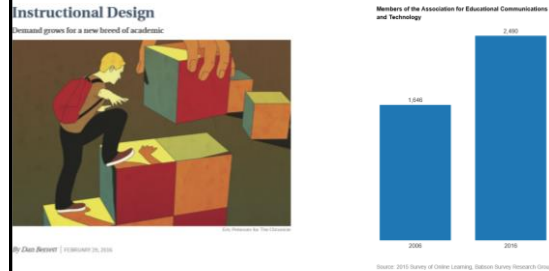
October 30, 2015 Migrants get help through German online university

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/24472260/>
 "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."



February 29, 2016 Instructional Design: Demand grows for a new breed of academic

The Chronicle of Higher Education, Dan Berrett
<http://chronicle.com/article/Instructional-Design/235425>



May 8, 2012 XII. 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>



May 11, 2016 XIII. Learning is More Voice Activated Google may have its own Echo coming soon (i.e., codename of "Chirp"), Elizabeth Weise, USA Today



June 17, 2015 XIV. Learning is More Ubiquitous 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	Low	High	High
Time to build the network	Short	Long	Short	Short
Spectrum or Licensing Cost	Low	High	High	Very High
Network downtime	Low	Free	High (static)	Low
Network Congestion	Low	Low	Low	High
Data Speed	Medium	Very High	Low (static)	High
Network Connection	Dedicated	Shared	Shared	Shared

Table comparing the various

April 13, 2016 Facebook debuts terrestrial tech to deliver Internet

Jessica Guynn, USA Today
<http://www.usatoday.com/story/tech/news/2016/04/13/facebook-terrestrial-connectivity-3000000/>



Terragraph places small nodes or boxes on lamp posts, buildings, bus stops and the like at distances up to 820 feet apart to bring high-speed Internet to dense urban areas. (Photo: Facebook)

August 5, 2014**XV. Learning is More Free**

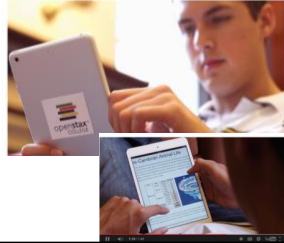
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

<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



Screen savours: 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>



February 2013
XXVI. Learning is More Self-Directed
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

**May 26, 2015****XXVII. Learning is More Global**

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/>



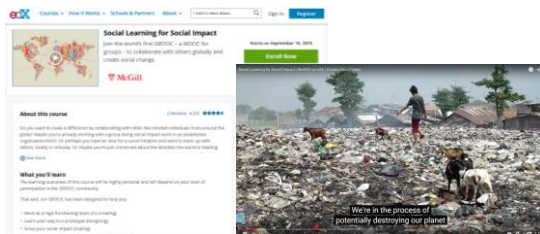
Two men living in Dadaab, a refugee camp in Kenya, would watch lecture videos and take online quizzes at a nearby United Nations compound. (InZone)

September 15, 2015
MOOCs for Social Impact

Social Learning for Social Impact, edX
Join the world's first GROOC – a MOOC for groups – to collaborate with others globally and create social change.

<https://www.edx.org/course/social-learning-social-impact-mcgill-grooc>

<https://www.youtube.com/watch?v=36&v=WNq-SLFAMdI>

**September 15, 2015**

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<https://www.youtube.com/watch?v=36&v=WNq-SLFAMdI>



April 20, 2015**XXVIII. Learning is More Open****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."

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-234896/234896?cid=at>
<http://chronicle.com/article/As-an-Open-Access-Megajournal-234896/234896?cid=at>

**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	2,088,077	135,088	6.5%
2011	2,196,768	153,985	7.0%
2012	2,336,368	176,882	7.7%
2013	2,456,515	207,024	8.4%
2014	2,375,854	229,817	9.7%
2015	2,014,726	234,238	12%

Source: Thomson Reuters Web of Science database of scholarly journal articles (<http://dx.doi.org/10.1002/9781118200000.ch10>)

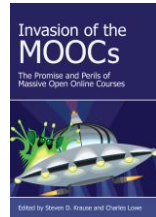
August 4, 2015**XXIX. Learning is More Modular**
How Nanodegrees Are Disrupting Higher Education**John Waters, Campus Technology**

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

How Nanodegrees Are Disrupting Higher Education
 New "micro" online certification programs are changing the educational pathway to success in certain industries.

**September 2, 2014****XXX. Learning is More Massive**
Sample Course: Open Knowledge: Changing the Global Course of Learning

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

**State of the MOOC 2016:****A Year of Massive Landscape Change For Massive Open Online Courses, Online Course Report**

<http://www.edxinsight.com/state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/>
<http://www.edxinsight.com/state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/>

Growth of MOOCs

Since the first blockbuster MOOCs debuted, in 2011, the cumulative number of courses started or scheduled has reached nearly 4,000.



Source: Class Central [Get the data](http://www.classcentral.com)

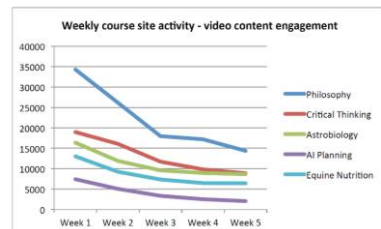
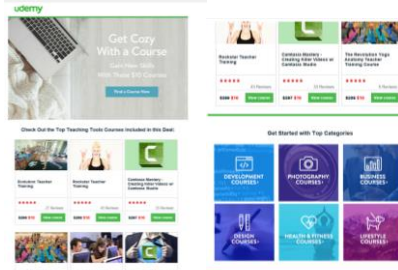
**May 2013****Research Topic #1.****Dropout (i.e., retention) Concerns MOOCs @ Edinburgh 2013– Report #1**

Figure 7 - Week-by-week activity tracking of the number of unique participants engaging with video content - viewed and downloaded combined results - during the first 5 weeks (applicable to 5 courses in total)

January 20, 2016 Udemy: "Get cozy with a class"

udemy@email.udemy.com



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/#290acdda7109>

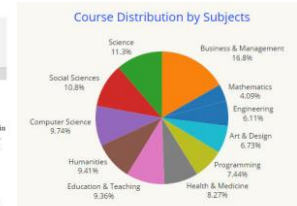
Use Of MOOCs And Online Education Is Exploding: Here's Why



The folks at Class Central just released their data on the growth of online courses (MOOCs) in 2015 and the data is amazing.

More than 35 million people have enrolled in online courses in the last four years, and 2015 enrollments doubled from 2014. (That's equal to one out of five working professionals in the U.S.)

Today there are more than 4,000 MOOC courses available (many more if you include the corporate training programs from companies like Cisco, IBM, Microsoft, LinkedIn, Coursera, and edX). These academic-oriented programs cover many topics, and are expanding into several business...



November 19, 2015 Ten Most Popular MOOCs Starting in November 2015, Class Central Blog

<https://www.class-central.com/>



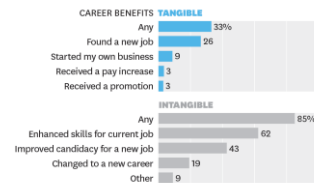
September 22, 2015 Who's Benefiting from MOOCs, and Why

Chen Zhenghao, Brandon Alcorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

<https://hbr.org/2015/09/whos-benefiting-from-moocs-and-why>

The Career Benefits of MOOCs

As reported by those who stated career benefits as their primary reason for completing a MOOC.



SOURCE: COURSERA SURVEY DATA

© HBR.ORG

May 4, 2016 This Mongolian Teenager Aced a MOOC. Now He Wants to Widen Their Impact

The Chronicle of Higher Education, Jeffrey R. Young

<http://chronicle.com/article/This-Mongolian-Teenager-Aced-a-MOOC-Now-He-Wants-to-Widen-Their-Impact/236362>

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TECHNOLOGY

This Mongolian Teenager Aced a MOOC. Now He Wants to Widen Their Impact.

By Jeffrey R. Young | MAY 04, 2016



This is the latest episode of our new podcast series on the future of higher education. You can subscribe in iTunes to get prior and future episodes.

March 4, 2016 MOOCs: vital tools in education of the future – or over-hyped online fad? (embedded video: 8:01)

Euro News, Sarah Chappell

<https://www.euronews.com/2016/03/04/moocs-vital-tools-in-education-of-the-future-or-over-hyped-online-fad/>

SPECIAL REPORTS | learning world

MOOCs: vital tools in education of the future – or over-hyped online fad?

By Sarah Chappell

VIDEO 07:45:27 | CATEGORIES: MOOCs



May 26, 2015
Edtech and MOOC Times in China
 Michael Trucano On Tue, 05/12/2015, EduTech
<https://blogs.worldbank.org/edutech/edtech-and-mooc-times-china>



June 26, 2015

In China, Where Everything is a MOOC
 Education Week, Justin Reich, HarvardX Research Fellow
http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in_china_where_everything_is_a_mooc.html?_ga=284759497

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."



Things are heating up!
<http://routledge-ny.com/books/details/9781138807419/>



MOOCs and Open Education Around the World
 By Bonk, Lee, Reeves, & Reynolds

Things are heating up!



And coming within reach!



MOOCs and Open Education Around the World
<http://routledge-ny.com/books/details/9781138807419/>



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."

Poll #7: Does all this give you a headache?



**Not Me...I am happy!
and...
My minions are happy!**



Remember: We are entering a jumping off point...

(South China Normal University,
Friday June 12, 2015)



Activity #1: What are 3 things that you learned?



Activity #2: Which learning trend is the most important?

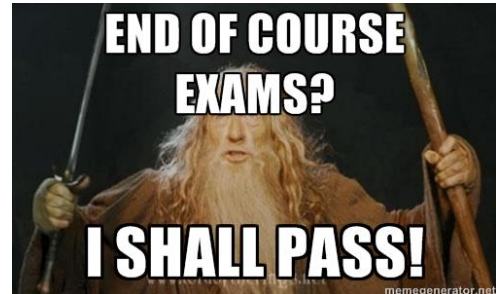


Activity #3:
Share Three
Words from this
Session!



3 3 3

Poll #8:
What happens next...?



Remember:
"I cannot do this alone."

"I cannot do this alone."
 "I cannot do this alone."
 "I cannot do this alone."



Any Comments or Questions?

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: <http://tec-variety.com/>
Email: curt@worldisopen.com

