

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



**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



Poll#2:
Read any good books lately?



1. Drive: The Surprising Truth About What Motivates Us

Daniel Pink (2009)



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 #3: 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.)

Two Cheers for Web 2.0!



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=%2As
https://m.facebook.com/story.php?story_fbid=10153960012315798&id=102527030797
<http://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-rs-251-404082>



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>

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 — the 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 — the 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

Smartphone zombies — all the examples with it, it is a growing phenomenon in the MTR and the streets of Hong Kong. Experience elsewhere shows 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-multiyear-study>

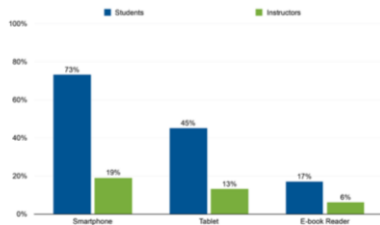
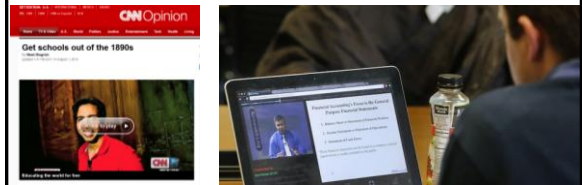


Figure 6. Student usage to instructor requirement of devices for assignments (N = 1,181)

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/131821/>



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/135895704-trend_aukelq7ack42d-4ab33f6a254c4d4e32a2c4a0f7236b14cc6ec32d4e4d-85058e4e4c-184e

THE CHRONICLE OF HIGHER EDUCATION

Home News Global Opinion & Ideas Facts & Figures Blogs Advice Forums

TECHNOLOGY

How Sal Khan Hopes to Remake Education

By Jeffrey R. Young | MARCH 30, 2016



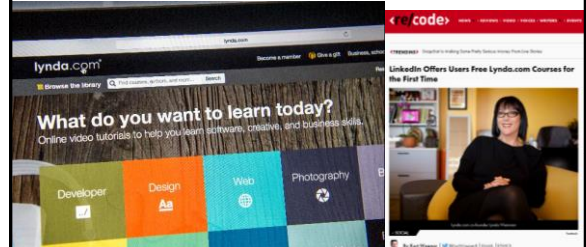
June 16, 2015

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>



Can Indian GDP continue to outstrip China?

31 August 2015 Last updated at 09:44 BST

August 5, 2015

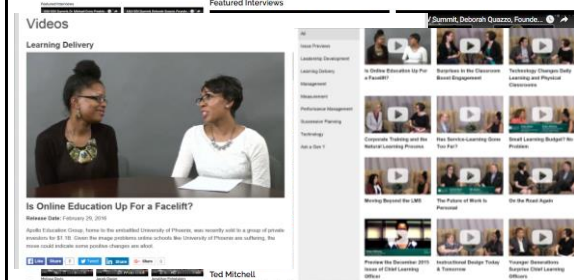
Shubham Jaglan Overwhelmed by "Dream" Return Home After Double World Championship Disha Chopra, NDTV Sports

<http://sports.ndtv.com/golf/news/246553-shubham-jaglan-overwhelmed-by-dream-home-after-double-world-championship>



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 DelfAmore, National Geographic, August 3, 2015
<http://blogs.nationalgeographic.org/2015/08/03/atlas-to-reflect-shrinking-ice/>
<https://www.nationalgeographic.com/interactive/2015/08/03/atlas-to-reflect-shrinking-ice/>

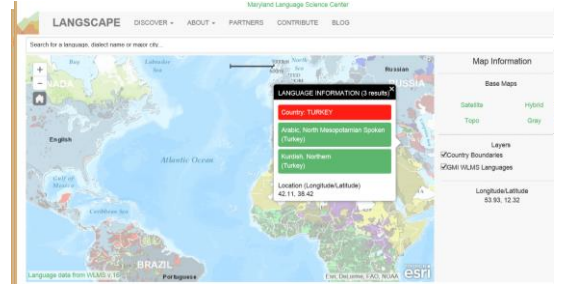


March 24, 2015

Maps of Languages

Langscape, Language at Maryland

<http://www.langscape.org/>
<http://www.langscape.org/interactive-map>
<http://www.langscape.org/interactive-map>



October 16, 2013

V. Learning is More Touch Sensored

Corporate Classrooms: Adapting to Change

Chief Learning Officer, Frank Kalman
<http://www.dionmedia.com/articles/corporate-classrooms-adapting-to-change>

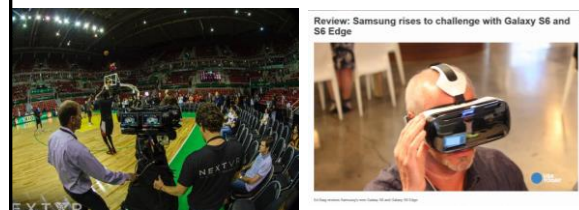


April 2, 2015

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

<http://www.usatoday.com/story/tech/columnist/baig/2015/03/31/samsung-rises-to-challenge-with-galaxy-s6-s6-edge/7072752/>



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, CNN Senior Medical Correspondent
Updated 8:58 PM ET, Thu January 7, 2016Dr. Anthony Rossi
Nicklaus Children's Hospital**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/2015/07/23/meet-osterhout-and-its-2700-ar-glasses/35627961/>
<http://www.usatoday.com/story/tech/2015/06/10/tech-super-spotlights-ar-augmented-reality/2874406/>

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

**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/2016/04/09/virtual-reality-tested-tool-confront-racism-sexism/82674406/>

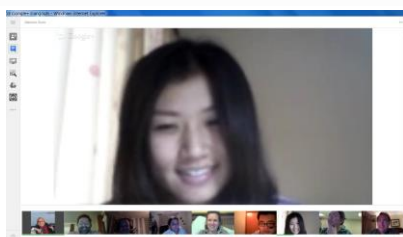
One VR diversity demo places the user in the body of an African-American woman as a white male avatar gets aggressive mere feet away. (In one Stanford VR demo, subjects are made to feel what is like to be homeless, as in this scene where the user is transported into the body of a woman riding the bus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

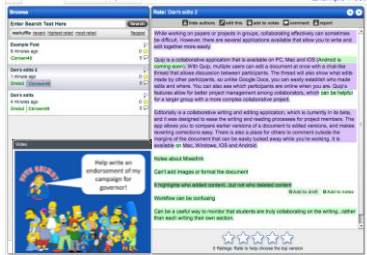
(with Bryan Alexander)

<https://bryanalexander.org/>

October 7, 2013

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

<http://blogs.elon.edu/2013/10/7/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 DiBlasio, USA Today

<http://www.usatoday.com/story/tech/news/2016/04/12/zuckerberg-references-trumps-call-border-wall-f8-conference/82040466>



Facebook says 1 billion people used Facebook on Monday

Today's "BWest Byte" 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



May 7, 2015

IX. Learning is More Adventurous

Aaron Doering, Chasing Seals, TEDx

<http://chasingseals.com/>

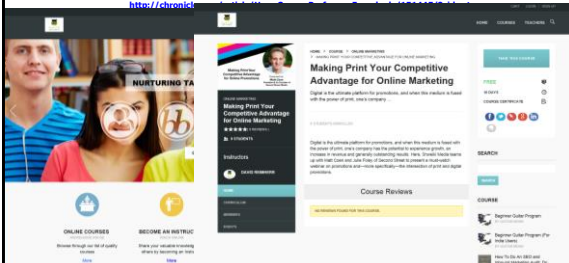
<https://twitter.com/chasingseals>



February 2, 2015

X. Learning is More Direct from Experts

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/223111>



March 10, 2016

Videostreamed Conferences

Watch SXSWedu Live, Connie Yowell

http://sxswedu.com/live?utm_campaign=edu+2016&utm_source=yt_email&utm_medium=email&utm_content=271444698_hmcrcp2
https://www.youtube.com/watch?v=x6twe0k_humi



A screenshot of a Zoom meeting grid with 15 participants arranged in a 3x5 grid. The participants are: Row 1: James McHenry & McHenry, Sarah Johnson, James Johnson, James Johnson, James Johnson; Row 2: James Johnson, James Johnson, James Johnson, James Johnson, James Johnson; Row 3: James Johnson, James Johnson, James Johnson, James Johnson, James Johnson.

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-1pg/index.html>

Potential Vikings site in North America spotted from space

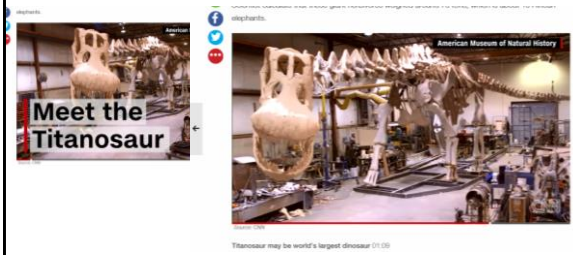


January 14, 2016

More Immediate Science...

Move over T. rex, new dinosaur unveiled, Amanda Jackson, CNN

<http://www.cnn.com/2016/01/14/iviva/titanosaurus-new-dinosaur-on-display-new-york-city/>

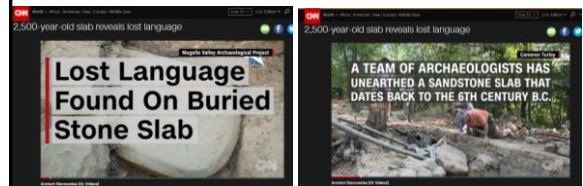


April 1, 2016

More Immediate Science...

(e.g., 2,500-year-old slab reveals lost language, CNN)

A team of scientists has 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/videos/world/2016/04/01/italy-etruscan-slab-find-orig-istan-cnn>



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>
<https://www.insidehighered.com/digital-learning/article/2016/01/15/wikipedia-at-15>



Half-Way Point...(Activity #1)

Please Share the Best Two Ideas so Far...

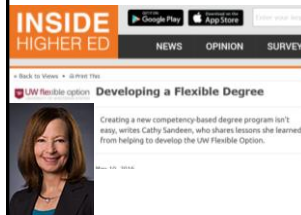


May 10, 2016

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=nl>



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.educause.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, INCAOL

http://www.inacol.org/wp-content/uploads/2016/05/INCAOL_FunctionalRequirementsforIntegratedSystems.pdf

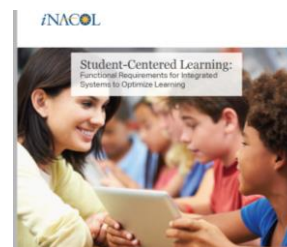


Figure 2: Feedback Levels

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 >



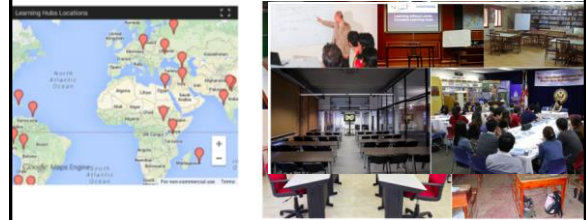
The Global Translator Community

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/84322385912/new-learning-hubs-locations-hosted-by-the-new-york>



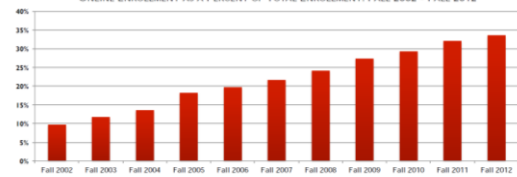
February 5, 2015

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/twbt-yale-offers-online-degree-2u-ceo.cnn>

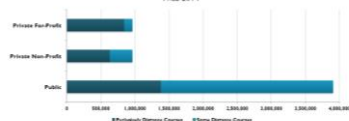
ONLINE ENROLLMENT AS A PERCENT OF TOTAL ENROLLMENT: FALL 2002 - FALL 2012



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 Tyton Partners
<http://onlinelearningconsortium.org/read/online-report-card-tracking-online-education-united-states-2015/>
<http://onlinelearningconsortium.org/reports/online-report-card.pdf>

ENROLLMENT OF STUDENTS TAKING AT LEAST ONE DISTANCE COURSE:
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.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>



November 18, 2015

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



October 30, 2015

Migrants get help through German online university

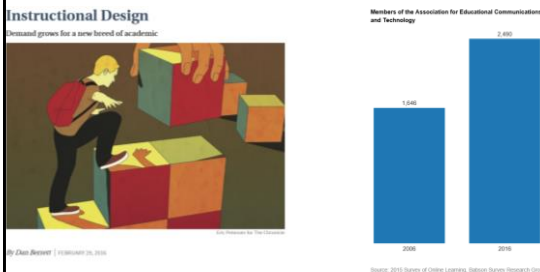
Mihret Yohannes and Jabeen Bhatti, Special for USA TODAY, USA Today
<http://www.usatoday.com/story/news/world/2015/10/30/migrants-get-help-through-german-online-university/74472269/>
 Kiron (University) relies on existing "mass open online courses," or MOOCs, and works with eight academics from Harvard 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>

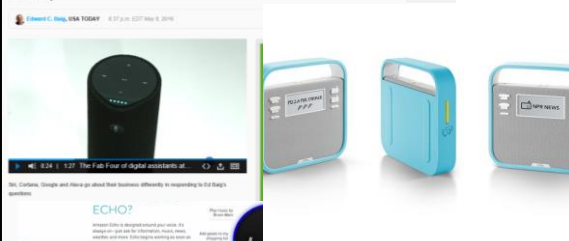


May 11, 2016

XIII. Learning is More Voice Activated

Google may have its own Echo coming soon (i.e., codename of "Chirp"), Elizabeth Weise, USA Today
<http://www.usatoday.com/story/tech/columnist/2016/05/09/google-echo-creator-thinks-they-have-smarter-echochirp/8433244/>
<http://www.usatoday.com/story/tech/news/2016/05/10/alexa-echo-creator-thinks-they-have-smarter-echochirp/8433244/>

Personal digital assistants are on the rise (and they want to talk)



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)
Upfront 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 Absorption	Low	Free	High (Satellite)	Low
Network Congestion	Low	Low	Low	High
Data Speed	Medium	Very High	Low (Satellite)	High
Network Connection	Dedicated	Medium	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-terragraph-project-actix/82960840/>



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

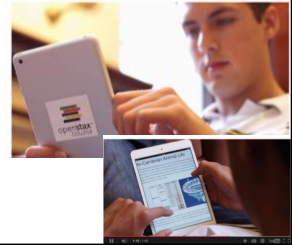
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

<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 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>



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)

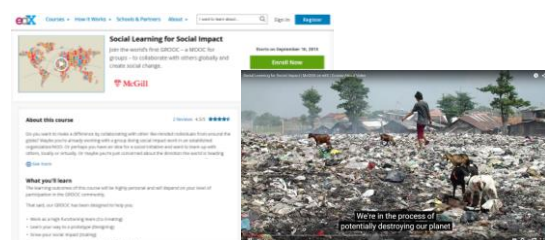
September 15, 2015

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-mgill-grooc>

<https://www.youtube.com/watch?v=368vWNg-SLFAMdI>



September 15, 2015

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-mooc-the-grooc>

<https://www.youtube.com/watch?v=368vWNg-5LPMd>



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-234880/2key=VW9W9p4Q6N4u0Z0v6d72WpC5q0VqAS_vY52a1N1U4RMEALGCTJHONURJWRL1YWL4ASZ4FYJUN9EVYVW4pC0N3W9f0

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	2,088,373	87,132	4.2%
2009	2,153,213	113,155	5.3%
2010	2,088,077	135,588	6.5%
2011	2,195,708	153,965	7.0%
2012	2,308,366	176,962	7.7%
2013	2,450,515	207,024	8.4%
2014	2,376,854	226,617	9.7%
2015	2,614,726	224,238	12%

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

August 4, 2015

XXIX. Learning is More Modular

How Nanodegrees Are Disrupting Higher Education

John Waters, Campus Technology

<http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx>

How Nanodegrees Are Disrupting Higher Education

New "year" online completion programs are changing the educational pathways to success in certain industries.

By John K. Waters 08/05/15



Unleashed, built and supported by industry leaders to advance your career

Google AUTODESK intuit

at&t cloudera

chubb cadence NVIDIA

MSANACADEMY

September 2, 2014

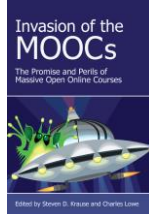
XXX. Learning is More Massive

Sample Course: Open Knowledge: Changing the Global Course of Learning

<https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about/>

Softcover (\$30): http://www.palgrave.com/invasion_of_the_mooocs

Free (PDF): http://www.palgrave.com/pdf/invasion_of_the_mooocs.pdf



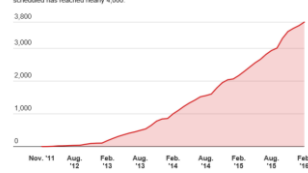
State of the MOOC 2016: A Year of Massive Landscape Change For Massive Open Online Courses, Online Course Report

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

<http://chronicle.com/press/2016/09/05/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](#)



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

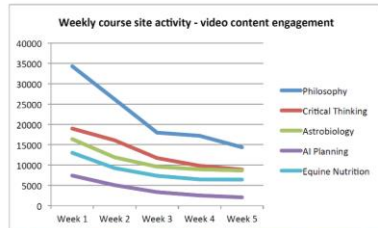
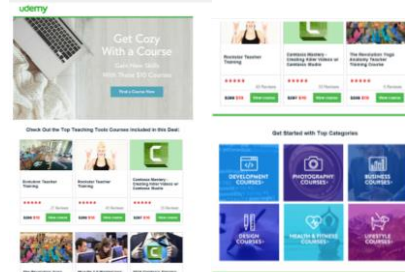


Figure 7 - Week by week activity tracking of the number of unique course participants engaging with video content – viewed and downloaded combined results – during the first 5 weeks (applicable to 5 courses in total)

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/#239acd47f09>

JAN 5, 2016 8:00 AM EST

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

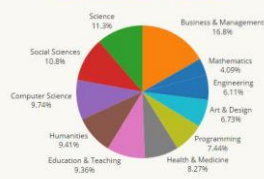


The folks at Class Central just released their data on the growth of online courses (MOOCs) in 2015 and the data is exciting.

More than 25 million people have enrolled in online courses in the last four years, and 2015 enrollment doubled from 2014. (That's equal to one out of five working professionals in the U.S.)

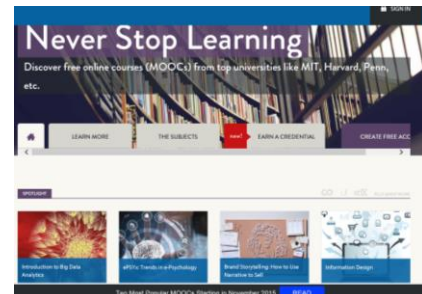
Today there are more than 4,200 MOOC courses available (many more if you include the corporate training programs from companies like Udemy, BigThink, Pluralsight, Lynda, Udacity, and Blackboard). These providers are driving progress in online course delivery, and are attracting lots of new business.

Course Distribution by Subjects



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

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



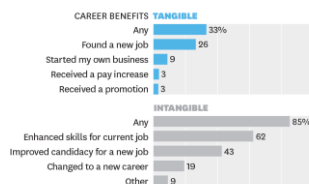
September 22, 2015 Who's Benefiting from MOOCs, and Why

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: COURSEERA 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/>

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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



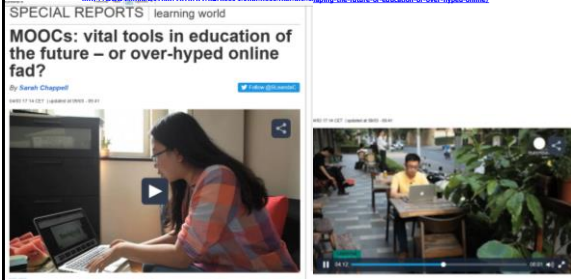
This is the latest episode of our new podcast series on the future of higher education. You can subscribe in iTunes to get prior and future episodes.

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://blogs.worldbank.org/edutech/moocs-vital-tools-in-education-of-the-future-or-over-hyped-online-fad>



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

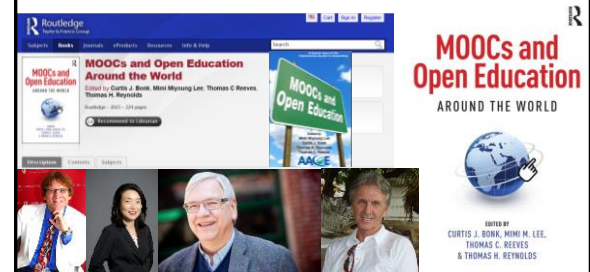
http://blogs.edweek.org/edweek/edtechresearcher/2015/06/in_china_where_everything_is_a_mooc.html?r=284759497

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."



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 #4: 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 #2:
What are 3 things that you
learned?**



**Activity #3:
Which learning trend is the
most important?**

IMPORTANT



**Activity #4:
Share Three
Words from this
Session!**



3 3 3



Any Comments or Questions?

Slides at: TrainingShare.com

Papers: PublicationShare.com

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

Email: curt@worldisopen.com

