

## Exploring Life Changes from Open Education, MOOCs, and Beyond

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<http://mypage.iu.edu/~cjbonk/>



## Audience Poll #1: Has learning technology ever transformed your life.



## November 7, 2014 The Problem with Learning Technology

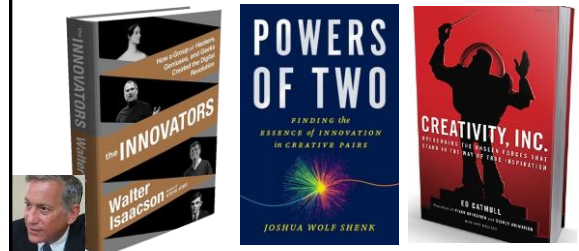
Karen Wilcox, Chronicle of Higher Education

[https://chroniclelive.com/news/732-the-problem-with-learning-technology?id=at&utm\\_source=cd&utm\\_medium=en](https://chroniclelive.com/news/732-the-problem-with-learning-technology?id=at&utm_source=cd&utm_medium=en)



## Poll#2: Read any good books lately? The Innovators, Powers of Two, and Creativity, Inc. (all in 2014)

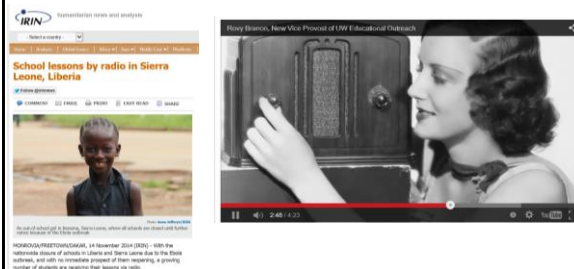
<http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708699>  
<http://www.shenk.net/powersoftwo/>  
<http://www.creativityincbook.com/>



## Poll #3: Listen to the Radio Lately? November 14, 2014

School lessons by radio in Sierra Leone, Liberia, IRIN  
(Humanitarian News and Analysis), MONROVIA/FREETOWN/DAKAR

<http://www.irinnews.org/report/100838/school-lessons-by-radio-in-sierra-leone-liberia>  
<http://www.pce.uw.edu/about/Leadership/>



## Poll #4: Turn on the TV Lately? November 14, 2014 (2:25)

Why online ed disrupts the traditional model,  
Fareed Zakaria GPS, CNN, On GPS, Stuart Butler & Anant Agarwal explain why students are drawn to online higher education: tuition debt & exciting new technologies

<http://www.cnn.com/video/data/2.0/video/bestof/2014/11/15/exp-gps-moocs-sot.cnn.html>



**April 23, 2015**

**The Catch in Arizona State's Low-Cost Freshman Year Online:  
No Aid, Chronicle of Higher Education, Thomas Fisher**  
<http://chronicle.com/article/The-Catch-in-Arizona-State-s/229617/>



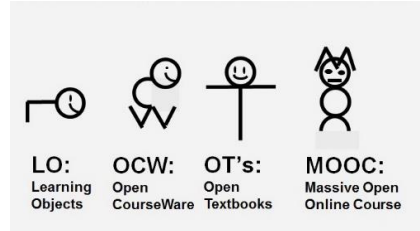
Anant Agarwal, the head of edX, which teamed up with Arizona State U. in the new project: "Our mission is to provide education to people who need it the most."

## MOOCs, MERLOT, and Open Educational Services

**Gerard L. Hanley (2015)**

MERLOT Executive Director  
Assistant Vice Chancellor, Academic Technology Services  
California State University, Office of the Chancellor

**Figure 1. MOOCs as a Recent Evolution of OER**



## Poll #5: Read Your Email Lately? January 15, 2015

The screenshot shows the Udemy website interface. On the left, there's a course card for 'DOUBLE YOUR CONFIDENCE & SELF ESTEEM' by Jimmy Narvaez, priced at \$497. On the right, there's a 'HELLO GO-GETTER' course card featuring a smiling man. Below these, there's a section titled 'Check Out Top Courses Included in This Deal' with several smaller course cards.

## Poll #6: Read Any Research Lately? October 25, 2014

**Opening the Curriculum: Open Educational Resources in U.S. Higher Education, 2014**  
**I. Elaine Allen and Jeff Seaman**  
<http://www.onlinelearningsurvey.com/reports/openingthecurriculum2014.pdf>



**1728: 1<sup>st</sup> correspondence course advertised Boston**  
(learn shorthand from Caleb Phillips thru weekly mailed lessons)

**The First University Correspondence Course**  
(University of London, External Program, 1858)

1728-1990s – Generally postal system based

1930s – phonograph and radio

1950s and 1960s – television

1970s and 1980s – VHS tapes

1980s and 1990s – DVD



**May 20, 2015**

**Tech Woes at Small Colleges: If it's broken, and it probably is, then adapt, Chronicle of Higher Education, Jon Nichols**  
[http://chronicle.com/article/Tech-Woes-at-Small-Colleges/230245/?cid=at&utm\\_source=at&utm\\_medium=en](http://chronicle.com/article/Tech-Woes-at-Small-Colleges/230245/?cid=at&utm_source=at&utm_medium=en)



Mimeograph machine, Wikimedia Commons

## Fall 2014, On Wisconsin MOOC, Meet MORC (Massive Open Radio Course)

WHA, UW Madison, College of the Air, 1933,  
Vocational Training dedicated to Agriculture,  
and later Home Economics and Typing

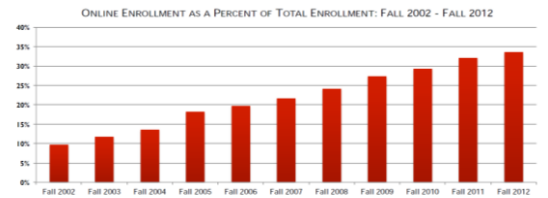


MOOC, Meet MORC

## February 5, 2015

### 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>



## April 1, 2015 Three Insights from the HarvardX and MITx Year Two Reports, Education Week, Justin Reich, HarvardX Research Fellow

[http://blogs.edweek.org/edweek/edtechresearcher/2015/04/three\\_insights\\_from\\_the\\_harvardx\\_and\\_mitx\\_year\\_two\\_reports.html](http://blogs.edweek.org/edweek/edtechresearcher/2015/04/three_insights_from_the_harvardx_and_mitx_year_two_reports.html)

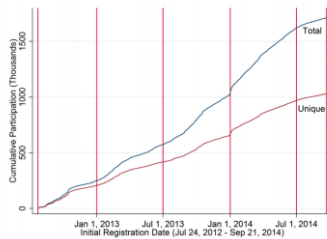


Figure 3. Cumulative total (1,719K) and unique (1,039K) participation over 26 months and 48 HarvardX and MITx courses.

## 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>



## May 10, 2015

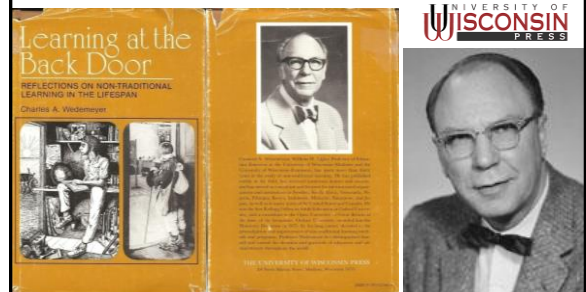
### In China, Where Everything is a MOOC, Education Week, Justin Reich, HarvardX Research Fellow

[http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in\\_china\\_where\\_everything\\_is\\_a\\_mooc.html?z=284759492](http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in_china_where_everything_is_a_mooc.html?z=284759492)

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."



## Took Correspondence & TV Courses (thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)



## Life Change

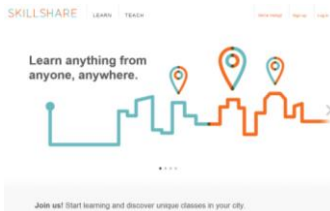


## Life as an accountant/CPA in a high tech company in the 1980s...



## Fast Forward 30 Years...

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



## 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

April 2, 2015

(e.a.. mobile courses on smartphone)

Baig: I'll buy the Apple Watch



Apple Watch is the way some recent watches...  
Apple Watch is the way some recent watches...



## February 2012

Seeds for Empowerment, Tanzania  
Kids using mobile devices





**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-120788>

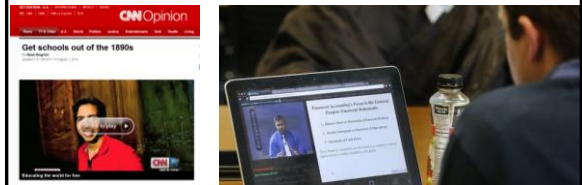


## II. Learning is More Flipped

**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/131831/>



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

**February 15, 2015**

### Lynda.com Excel Training, IU

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



## Learning is More Video-Based

### Online Learning Polyglots

<http://www.polyglots.com/2015/01/15/online-learning-polyglots-what-is-the-future-of-online-learning/>



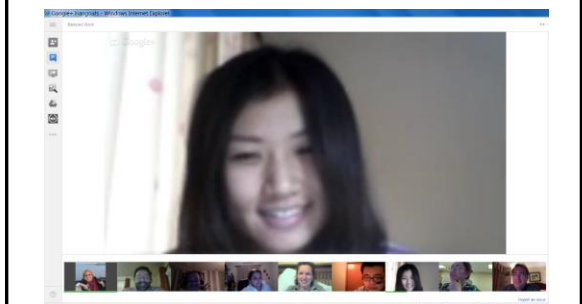
Timothy posts videos of himself speaking several languages on YouTube.

## IV. Learning is More Visual

### IQ Wall (Indiana University)



## V. Learning also is More Collaborative



## Online Language Learning May 5, 2014 Technology Provides Foreign-Language Immersion at a Distance,

Danya Perez-Hernandez, Chronicle of Higher Education,  
[http://chronicle.com/article/Technology-Provides/146369/?cid=at&utm\\_source=at&utm\\_medium=en](http://chronicle.com/article/Technology-Provides/146369/?cid=at&utm_source=at&utm_medium=en)



## May 28, 2014 Alexander the MOOC Lands

Inside Higher Education, Guy M. Rogers  
<http://www.insidehighered.com/blogs/higher-ed-beta/alexander-mooc-lands#sthash.6UAXISX7.dpbs>

**"Inspiring engagement, passion, and a love of learning** are of course harder outcomes to measure...Without any prompting from EdX or WellesleyX students also decided to form ongoing Alexander study groups. **MOOCs can inspire students all over the world and change their lives too."** (Guy MacLean Rogers is Kemper Professor of Classics and History at Wellesley College.)



## VI. Learning is More Adventurous May 7, 2015

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



## VII. Learning is More Direct from Experts

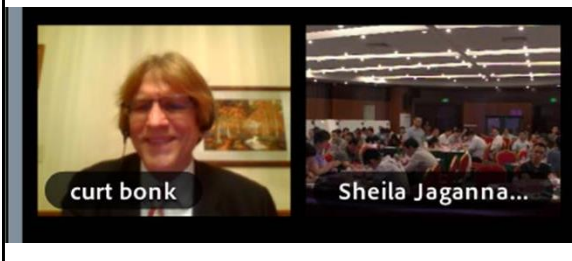
February 2, 2015  
Here Comes Professor Everybody: The 'sharing economy' meets higher education,  
Chronicle of Higher Education, Jeffrey R. Young  
<http://chronicle.com/article/Here-Comes-Professor-Everybody/151445/?cid=at>



Kevin deLapante, an associate professor at Iowa State U., makes an average of \$2,500 per month teaching from his home studio (above) on sites like Udemy.

## VIII. Learning is More Synchronous May 28, 2015

World Bank Institute workshop on e-learning  
to finance people in Zhengzhou, China



## IX. Learning is Resource Rich March 22, 2015

Madagascar marvel:  
Divers find fossils of extinct giant lemurs

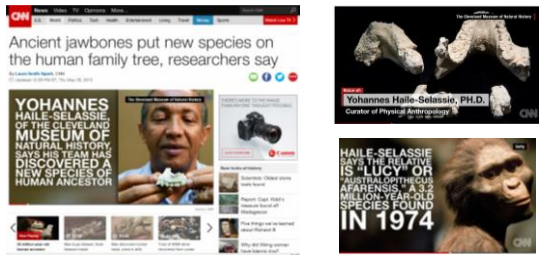
Daisy Carrington, for CNN, March 22, 2015  
<http://www.cnn.com/2015/03/19/africa/underwater-fossil-lemur-graveyard-madagascar/index.html>



**May 28, 2015**

## Something in the news.

**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>



## X. Learning is More Personal

### Localization and Translation of Open Content

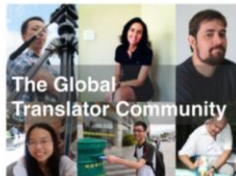
Coursera, Global Translator Community, Chronicle of Higher Education  
<https://www.coursera.org/about/translate>

## Coursera Seeks to Create a 'Global Translator Community'

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

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



## Programming for Everyone

**June 1, 2015 to August 25, 2015**

**Chuck Severance, University of Michigan**

<https://www.coursera.org/course/pythonlearn>  
 (Office Hours in Other Countries; e.g., Barcelona  
<http://www.youtube.com/watch?v=JzNHvmSv8TI>)

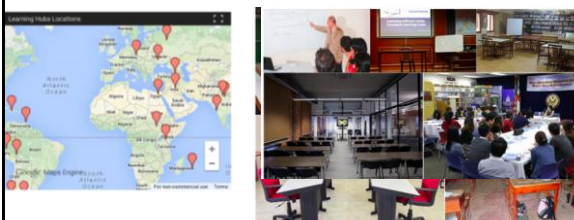


## XI. Learning is More Communal

**April 30, 2014**

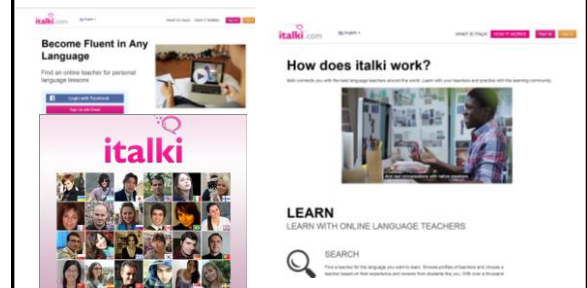
**New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int'l Partners, Coursera Learning Hubs**

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



## The iTalki

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





## OpenLanguage

<http://openlanguage.com/lessons/278/learn-chinese/hot-pot-chitchat>  
(Jenny Zhu and John)



## XII. 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



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

January 8, 2015

## Obama Plan Would Help Many Go to Community College Free

JULIE HIRSCHFELD DAVIS and TAMAR LEWIN, The New York Times

[http://www.nytimes.com/2015/01/08/us/politics/obamas-proposal-free-community-college-education-for-poor-students.html?\\_r=2](http://www.nytimes.com/2015/01/08/us/politics/obamas-proposal-free-community-college-education-for-poor-students.html?_r=2)



President Obama running onto the stage before delivering remarks at Central High School in Phoenix on Thursday. Credit Doug Mills/The New York Times

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://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>

Starbucks offers workers 2 years of free college

By Gregory Wallace @gregwallace June 15, 2014 9:02 PM ET



## Want something FREE?

("TEC-VARIETY" book; "V-PORTAL" videos)

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



在线学习动机与激励:  
TEC-VARIETY 模型

——激励和留住在线学习者的 100 个活动

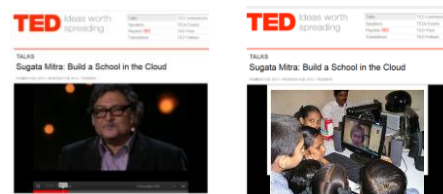
作者: Curtis J Bonk & Elaine Khoo IV



## XIII. 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](http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html)

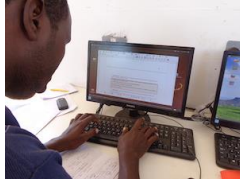




## XIV. Learning is More Global May 26, 2015

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/>



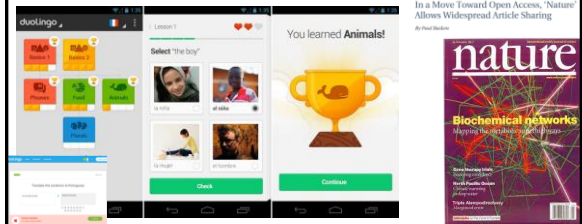
Two men living in Dadaab, a refugee camp in Kenya, would watch lecture videos and take online quizzes at a nearby United Nations compound. (InZone)

## XV. Learning is More Open (December 2, 2014)

Nature, Openwords, etc.

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

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



## September 16, 2013

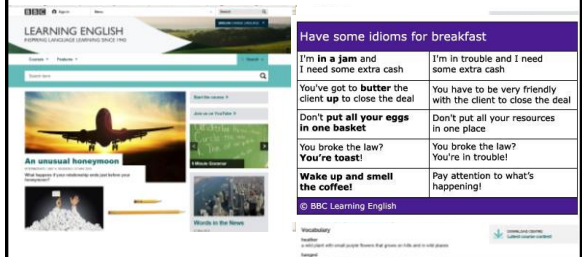
Rwandan Degree Program Aims for a 'University in a Box', Chronicle of Higher Education, Megan O'Neil

<http://chronicle.com/article/Rwandan-Degree-Program-Aims/141631/>



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

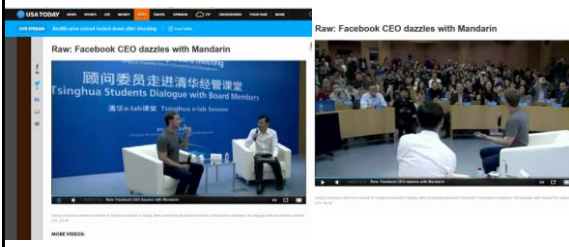
## Online Language Learning BBC Learning English



## October 24, 2014

Raw: Facebook CEO dazzles with Mandarin, USA Today

<http://www.usatoday.com/videos/tech/2014/10/23/17766019/>



## June 16, 2014

Metra Mehran is a college student in Political Science and Public Administration in Afghanistan.

Afghanistan Student Keynote, by Elliott Masie Learning 2014, October 26-29, 2014

<http://www.learning2014.com/blog/item/afghanistan-student>



We are honored to announce...will be flying to Orlando in October with her mother, to present a perspective about the role that digital education has played in her life - as it opened up the door to her furthering her education.

## Audience Poll #6:

I. Who remembers what they were doing on 911?

II. Who remembers what they were doing on April 4, 2001?



## Charles Vest (April 4, 2001)

<http://web.mit.edu/newsoffice/2001/ocw.html>

"This is about something bigger than MIT. I hope other universities will see us as educational leaders in this arena, and we very much hope that OpenCourseWare will draw other universities to do the same. We would be delighted if -- over time -- we have a world wide web of knowledge that raises the quality of learning -- and ultimately, the quality of life -- around the globe."



## Translated Content

Learning from Localized OER and OCW  
(e.g., Opensource Opencourseware Prototype System (OOPS), Lucifer Chu, Janitor of OOPS)

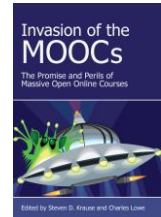
The Biggest OCW Localization Volunteer Group in the World



## XVI. 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](http://www.parlorpress.com/invasion_of_the_moocs)  
Free (PDF): [http://www.parlorpress.com/pdf/invasion\\_of\\_the\\_moocs.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

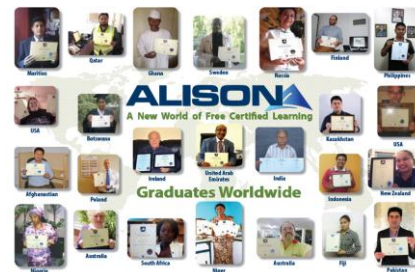
<http://www.bbc.com/news/education-29521360>  
<http://www.advancelearning.com/why-wait-for-others-to-fight-ebola>



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

## ALISON: A New World of Free Certified Learning

Mike Feerick, CEO & Founder, ALISON



## OER and MOOCs in Africa: The AVU Experience (2015)

Griff Richards and Bakary Diallo, African Virtual University  
Nairobi, Kenya

It is estimated that only 6% of Africans can access post-secondary education. The development goal is set at 12% even though North America and Europe are somewhere around 45%. The gap is huge.



**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."

## Employee to Employee Training G2g (Googler to Googler) Training

Seven Ways to Corporate MOOC, Udemu blog,  
December 23, 2013, Shannon Hughes  
<https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/>

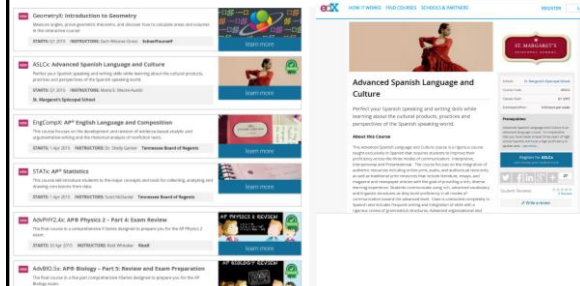
Classes range from management and public speaking, to parenting and mountain climbing.



**October 6, 2014**

## High School Initiative

<https://www.edx.org/high-school-initiative>  
<http://www.edxnews.com/2014/10/06/high-school-mooc-833/print/>



## Let's Review: Learning is Changing...

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



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



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

## Two Studies:

#1. Bonk, C. J., Lee, M. M., Kou, X., Xu, S. & Sheu, F.-R. (2015). Understanding the Self-Directed Online Learning Preferences, Goals, Achievements, and Challenges of MIT OpenCourseWare Subscribers. *Educational Technology and Society*, 18(2), 349-368. Available: [http://www.ifets.info/journals/18\\_2/26.pdf](http://www.ifets.info/journals/18_2/26.pdf); Issue TOC: <http://www.ifets.info/Issues.php?tid=62>

#2. Bonk, C. J., Lee, M. M., Kou, X., & Sheu, F.-R. (in revision). Motivations, Achievements, and Challenges of Self-Directed Informal Learners in Open Educational Environments and Massively Open Online Courses. (See conference proceedings!!!)





## Study #1.

### MIT OpenCourseWare (OCW) Study

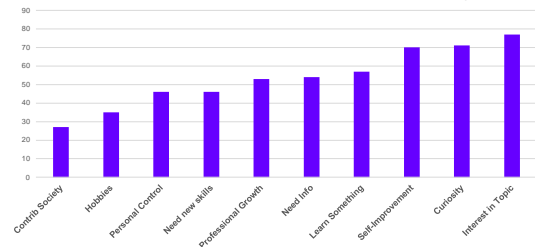
#### ■ E-newsletter subscription 156,000 people

- **1,429 completed surveys**
  - ◆ **613 completed open ended items**
- **50% over age 40**
- **76% males**
- **North America (44 percent); Asia (23 percent); Europe (14 percent); South America (10 percent); Middle East (3 percent); Oz (2 percent).**
  - ◆ **Top countries in the MIT OCW subscriber list were the United States, India, China, Brazil, Nigeria, Pakistan, Iran, Canada, the UK, Taiwan, Indonesia, Mexico, and Egypt.**

## Reasons to explore?

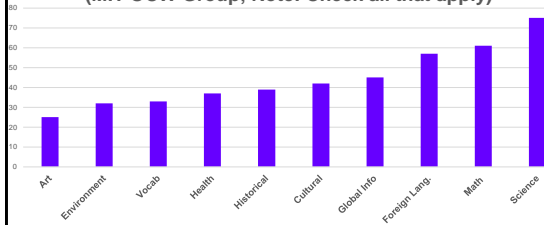
Main Reason Explore the Web Informally to Learn

(MIT OCW Group; Note: Check all that apply)



## Skills hoping to acquire?

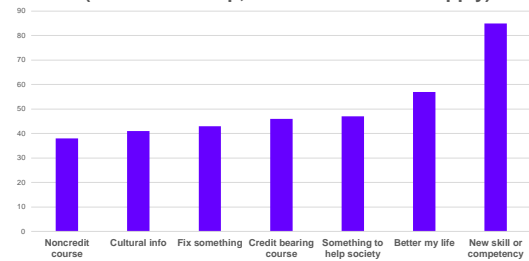
Skills Would Like to Learn Online Informally  
(MIT OCW Group; Note: Check all that apply)



## Hoping to achieve?

Like to Achieve from Learning Informally Online

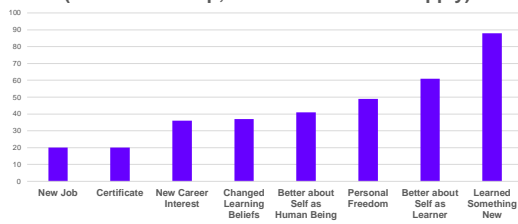
(MIT OCW Group; Note: Check all that apply)



## Actual achievements?

Achievements from Informal Online Learning Pursuits

(MIT OCW Group; Note: Check all that apply)

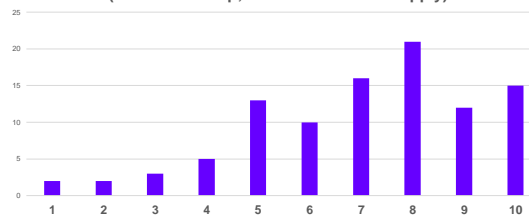


## Experience life change?

Degree to Which Life Changed from Informal Online Learning

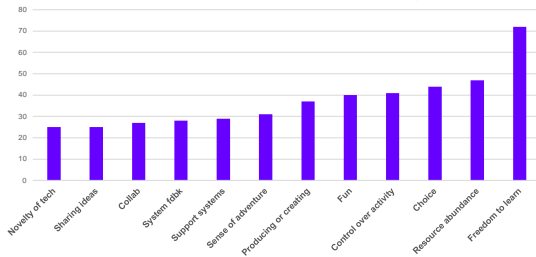
(Scale of 0 (Not at all) to 10 (Very Significantly); 5 = Moderately)

(MIT OCW Group; Note: Check all that apply)



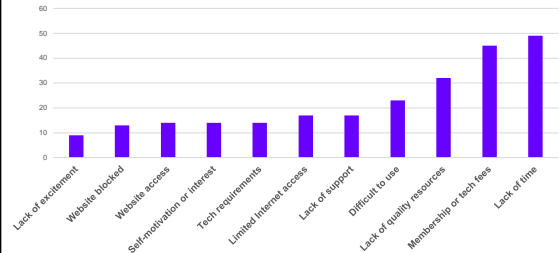
## Factors leading to success or personal change?

Factors Leading to Success or Personal Change When Exploring Online  
(MIT OCW Group; Note: Check all that apply)



## What obstacles faced?

What Obstacles Faced When Learning Informally Online  
(MIT OCW Group)



## Open-Ended Questions

(28) Can you describe your most interesting or successful informal learning experience? What did you accomplish?

(30) Why did you want to do this learning activity or task? What was your **purpose or goals**? Please describe what captured your interest.

(31) Has your life changed in a small or big way as a result of this informal learning activity or experience? If so, how?

(32) What was the key moment when learning informally with technology where you felt a personal change? If so, please describe that moment, as best you can.

(34) Did you face any **obstacles or challenges** during this time when learning informally with technology? If so, how did you overcome them?



## Interested in Life Change?



### MIT Data:

#### Inspires and Changes Ed Systems (18-20 year old male, Middle East)

When i was 14 years old i found MIT OCW during my search in..(physics) by Prof Walter Lewin looked really interesting and i became interested in physics. **To be honest OCW changed my way of living and i found how beautiful physics is...**informal learning is interesting because you can have access to some of the best courses provided by the best universities in the world...MIT OCW or Stanford **open courses have also changed the educational system in some poor countries** and have taught the teachers and professors in those countries how to teach a subject in a modern way.

open course

### MIT Data:

#### Self-Taught on Social Media

(21-30 year old unemployed female, North America)

At first my purpose was to fulfill boredom ...**After graduating with a MS, I was faced with unemployment.** I took the opportunity to read blogs, watch Youtube videos, and more to learn about blogging and social media. Since then I have become well versed in social media and other business topics and started a business... **I decided not to pursue a PHD because I am learning a more rapid pace.** Instead of spending 5 years in school, I can be flexible and work on what I am learning.



### MIT Data: Enhances Current Job Prospects (31-40 year old male, Asia)

I learnt scheme from MIT OCW. Which helped in **learning elisp/lisp**. The programming techniques increased my software design knowledge. **Algebra - mit ocw course was very useful**, it helped me to refresh the basics of Digital signal processing. - I have learnt a lot of "applying my knowledge" than just learning the "theory" - Various online classes allow for multiple perspectives of the same topic thus showing us how the same thing can be applied in different fields.



### MIT Data: Prepares to Reenter University (41-50 year old male, Middle East)

Most interesting experience of my own was my use of MIT OCW to refresh on Calculus. I purchased the textbook and followed one of several calculus options on the site. **This was quite successful in re-introducing Calculus, as a prep to re-entering college 28 years after graduation - this time to study for a Master's.**



### MIT Data: Builds Expertise and Expert Connections (51-60 year old female, North America)

I'm a virtual reference librarian...My friend and I have a blog about music cognition, which is a little...we blog about current articles, and one experience was especially meaningful, where **I tweeted a question to Daniel Levitin, who answered**. He's the guy who wrote The World in Six Songs, among other things. The fact that you can communicate with an expert in the field who will take the time to give a thoughtful tweet (and yes, 140 characters can be thoughtful)--well, that's amazing...**I think it was the single most exciting learning moment I've experienced.**



### MIT Data: Retiree Develops New Hobby (65 year old male, North America)

I retired from education I became a lifestyle entrepreneur. I was trying to learn software to develop a business website for our sailing business. I discovered...**Lynda.com**. I was learning web development, video editing and photoshop. **I realized that I could learn this software without going to a formal class and that was an "eureka" moment.** My wife and I travelled and started a yacht delivery and training business that has taken us all over the world. We learned technology and social media as we travelled and ended up with many fantastic experienced in some very exotic places. **We taught ourselves web development and have been figuring out online learning as we went. Now at 65 years of age we are going back to university to take a Computer Science Degree and start a new tech business relating to interactive educational media and games. All very exciting :-)**



### MIT Data: Retiree Develops New Hobby (70+ year old female, North America)

**I'm an avid photographer and have developed skills for developing my own website for display of my photography and books I have written that include my photographs...I've had multiple careers, from science, to public administration, and information technology. The development of my art is a new and exciting experience.**



### Study #2: Blackboard MOOC and Open Education Study



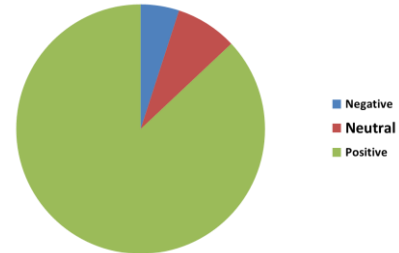


## Interested in Life Change?



## Experience life change?

(0 = not at all; 5 = moderately; 10 = significantly)  
Has your life changed from informal learning on the Web?



## Life Changing Example #1

**"Yes, I view the way I make choices, the way I raise my children, the way I teach, the way I negotiate international agreements fundamentally different. There are no huge differences in the decisions because the same set of values inform the decisions, but the approach, the motivations, the incentives are modified in substantial ways as a result."**



## Life Changing Example #2

**Yes. I plan to focus my Ph.D. research on alternative forms of learning (informal DIY) and credit (like open badges) and the changes higher ed and employers will have to make to accept these forms of credit.**



## Life Changing Example #3

**It has made my job much easier** and it's been easier for me to execute certain tasks, **making me more willing to take on bigger challenges.** It was also shown me how enjoyable it is to learn a computer language. It opened my mind to considering possibilities in this area. It also **made my husband respect my ability** around computers a bit more.



## Life Changing Example #4

**Some of my friends tell me that they love the nuggets of information that I share with them when talking about things I learned during short commutes, etc. They have started listening to podcasts and share similar nuggets about the fields that they care about.**



## Life Changing Example #5

My life has changed in a big way. **I used these new skills to create a small business** that supplements my income. I couldn't use this income solely to support myself, but it does pay some bills.



## Life Changing Example #6

Without the opportunity to learn informally, my options within my doctoral program would be limited to the ideas and experience of the three instructors in my program track. I would be graduating with a firm grasp of 20-year old dated ideas!



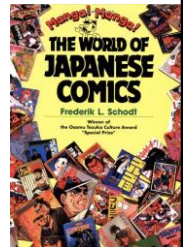
## Life Changing Example #7

It has changed because I have learned new things and got more creative in my own field...The key moment was when I felt that **the world is now becoming open** as Dr. Bonk describes it. I don't need to travel to different countries and spend my time and money trying to get a new idea or learn a new skill. I can have the access to quality materials, novel ideas and experts anywhere and any time.



## Life Changing Example #8

Easy access to the Internet changed my life drastically. I quickly discovered Japanese manga (comics) and anime (animated TV shows). **I spent the next three years absorbing Japanese culture and language voraciously.** ... I got interested enough that I did 1 1/2 years of Japanese as an **online correspondence course.**



## Joining a Learning Community

"My key moment came when I discovered a **community of like-minded scholars** from around the world. **I no longer felt isolated or disconnected.** This has become my most valuable support network and I am grateful."



## Informal Learner Characteristics: Self-Reliant

"Knowing that I did not need to ask an actual person for help was **life changing.** I am an introvert by nature, and I prefer to figure out things on my own. Knowing that I can research informally on the Web is reassuring."



## Things are heating up!

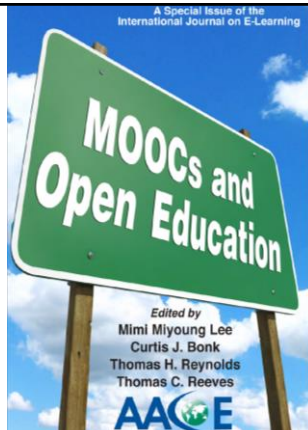
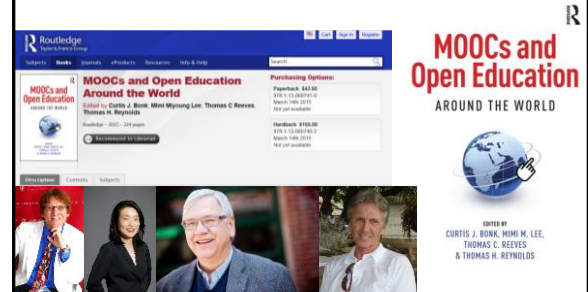
<http://routledge-ny.com/books/details/9781138807419/>



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

## MOOCs and Open Education Around the World

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



## We are entering a jumping off point...



## The World is very open!

(in Ho Chi Minh City, Vietnam, Wednesday March 12th)



## Charles Wedemeyer Quote:

"It should be immaterial whether one has learned at the front door or the back door of the Palace of Learning. **What one has learned**—not where, or how, in what sequence, at what institution, or in what period of time—is the only criterion of supreme importance."  
(Charles Wedemeyer, 1981, p. 216)





**December 13, 2013**

**Former MIT president Charles M. Vest dies at 72**  
**As the Institute's leader from 1990 to 2004, he**  
**sparked a period of dynamism.**

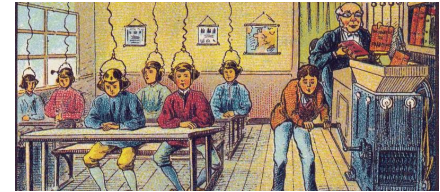
**Steve Bradt, MIT News Office**

<http://web.mit.edu/news/2013/former-mit-president-charles-m-vest-dies-at-72-1213.html>



**October 21, 2014**

**Teaching and the University of Tomorrow.**  
**Chronicle of Higher Education, Kelly J. Baker**



*Image: France in 2000 year (XXI century). Future school. From a postcard by Villemard, 1910.*

**Any Comments or Questions?**

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