

## Learning is Changing Part I: MOOCs, E-Learning, The Open World, and Beyond

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



## Audience Poll #1:

Has learning technology ever transformed your life.



## The Problem with Learning Technology

Karen Wilcox, November 7, 2014, Chronicle of Higher Education  
[https://chroniclevitae.com/news/792-the-problem-with-learning-technology?id=catutm\\_source=atutm\\_medium=en](https://chroniclevitae.com/news/792-the-problem-with-learning-technology?id=catutm_source=atutm_medium=en)



## Knowledge Navigator (1987)

Apple Computer

<http://www.youtube.com/watch?v=hb4Azf5wEoc>



## Poll #1: Read any good books lately?

### The Innovators:

How a group of hackers, geniuses, and geeks created the digital revolution. New York: Simon & Schuster.  
Walter Isaacson (2014)

<http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708690>



## Poll #2: 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 #3: 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 &amp; Anant Agarwal explain why students are drawn to

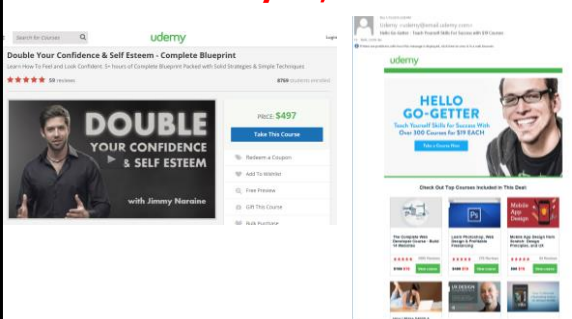
online higher education: tuition debt &amp; exciting new technologies

<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."

**Poll #4: Read Your Email Lately?****January 15, 2015****Poll #5: 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.onlinelearningurvey.com/reports/openingthecurriculum2014.pdf>**Looking to the Past...****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 based

1950s and 1960s – television

1970s and 1980s – VHS tapes

1980s and 1990s – DVD



**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

**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=nl&utm\\_source=nl&utm\\_medium=en](http://chronicle.com/article/Tech-Woes-at-Small-Colleges/230245?cid=nl&utm_source=nl&utm_medium=en)



Mimeograph machine, Wikimedia Commons

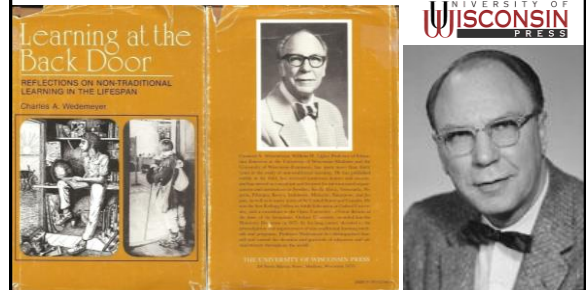
**May 10, 2013**

**10 ed-tech tools of the 70s, 80s, and 90s**  
 eSchool News, Meris Stansbury

<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



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



**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."**

SKILLSHARE LEARN TEACH

Learn anything from  
 anyone, anywhere.



Join and start learning and discover unique classes in your city.

## Thirty Ways Learning is Changing...

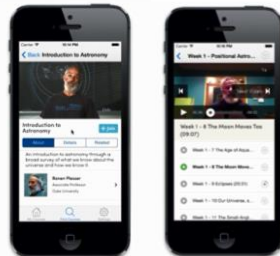
(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)



## Learning is Technology Based New Technologies = New Delivery Methods...



## 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, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2015/04/02/samsung-rises-to-challenge-with-galaxy-s6-s6edge/78727752/>



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

<http://www.usatoday.com/story/tech/columnist/baig/2015/04/08/baig-buying-the-apple-watch/25436885/>

Baig: I'll buy the Apple Watch

April 27, 2015 by Jeffrey R. Young

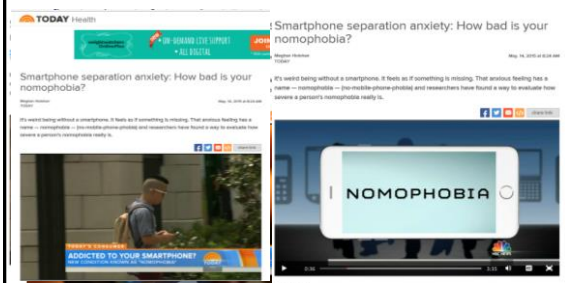
Wearable Teaching? College to Experiment With Apple Watch as Learning Tool



**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-your-nomophobia-120786>





### Readers: Are we headed for a smartphone zombie apocalypse?, CNN, Nicole Saidi, October 4, 2012

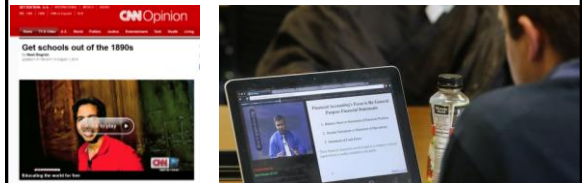
[http://www.cnn.com/2012/10/03/tech/smartphone-zombie-apocalypse-comments/index.html?hpid=carticle\\_sidebar](http://www.cnn.com/2012/10/03/tech/smartphone-zombie-apocalypse-comments/index.html?hpid=carticle_sidebar)



### 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>



### IV. Learning is More Visual September 22, 2014

110 Foot Engagement,

Elliott Masie's Learning 2014

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



### October 6, 2014 Stanford U Display Wall Takes Visualization to a Higher Level, Dian Schaffhauser, Campus Technology



### V. Learning is More Touch Sensored October 16, 2013

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

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



## VI. Learning is More Game-Based

October 21, 2014

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

<http://www.usatoday.com/story/tech/columnist/baig/2014/10/21/ipad-air-2-fabulous-but-not-must-upgrade/12558295/>

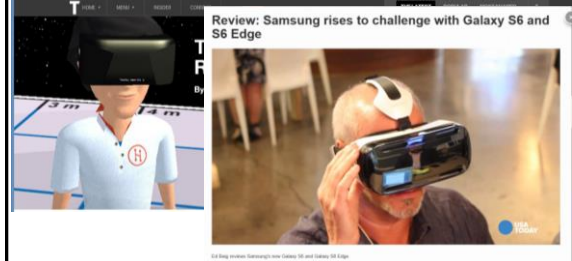


## VII. Learning is More Immersive

April 2, 2015

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

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



March 30, 2015

Virtual reality is coming to sex, sports and Facebook,  
Marco delia Cava, USA Today

<http://www.usatoday.com/story/tech/2015/03/27/virtual-reality-comes-to-facebook-sex-will-be-everywhere/2547862/>

<http://www.usatoday.com/story/tech/2015/03/27/virtual-reality-comes-to-facebook-sex-will-be-everywhere/2547862/>



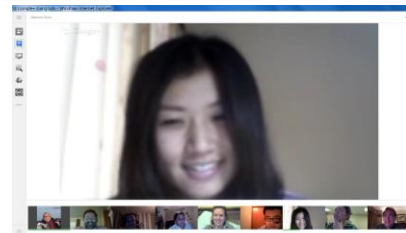
A technician uses virtual reality to test out new military hardware before it's ever put into production.

## VIII. Learning also is More Collaborative

March 26, 2014

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

Global Collaboration Projects that Go Way Beyond Skype

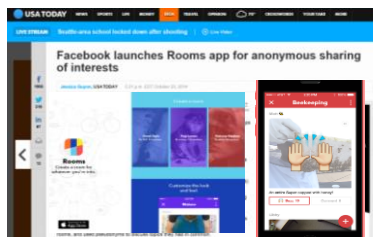


## IX. Learning is More Social

October 24, 2014

Facebook launches Rooms app for anonymous sharing of interests,  
USA Today, Jessica Guynn

<http://www.usatoday.com/story/tech/2014/10/23/facebook-rooms-josh-miller-brunch-mobile-app-creative-hats/12789162/>



## X. Learning is More Adventurous

Aaron Doering, Chasing Seals, TEDx

<http://chasingseals.com/>



Speaking for Change and Humanity

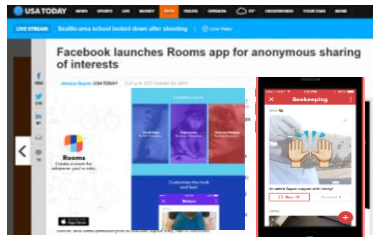
From the Arctic to Africa, Aaron Doering is taking his story of how he learned technology, innovation, and adventure can change how we connect, inspiring the world.

## IX. Learning is More Social

October 24, 2014

Facebook launches Rooms app for anonymous sharing of interests,  
USA Today, Jessica Guynn

<http://www.usatoday.com/story/tech/2014/10/23/facebook-rooms-josh-miller-brunch-mobile-app-creative-labs/17769167/>



## XI. Learning is More Direct from Experts

February 2, 2015

Here Comes Professor Everybody: The 'sharing economy' meets higher education,

Chronicle of Higher Education, Jeffrey R. Young

<http://chronicle.com/article/Here-Comes-Professor-Everybody/151445/2cid=at>



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

## XII. Learning is More Synchronous

Dubai to Puerto Rico (Edgar Leon)

<https://www.youtube.com/watch?v=Imxw0YwTh2Y&list=UUCiHO-jny1pEXd9Skyc-Jw>



## XIII. Learning is More Digital

October 23, 2014

New Amazon Kindle is a Voyage into eReader luxury, USA Today, Edward C. Baig

<http://www.usatoday.com/story/tech/2014/10/23/amazon-kindle-voyage-e-reader-luxury/17769167/>



## XIV. 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>



## XV. Learning is More Informal

October 13, 2013

A Dozen Ways To Promote Informal Learning

Chief Learning Officer, Saul Carliner

<http://www.clomedia.com/articles/a-dozen-ways-to-promote-informal-learning>





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

Hire Education: Mastery, Modularization, and the Workforce Revolution, Michelle R. Weise and Clayton M. Christensen, The Christensen Institute

<http://www.christenseninstitute.org/publications/hire/>



College, on Your Own: Competency-based education can help motivated students. But critics say it's no panacea  
Dan Berrett, The Chronicle of Higher Ed, July 14, 2014  
<http://chronicle.com/article/College-On-Your-Own/147659/7cid=at>

Nichele Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.



## XVII. Learning is More On Demand May 5, 2014

Mobile MOOCs: New platform challenges conventional MOOCs  
eCampus News (<https://coursmos.com/>)



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

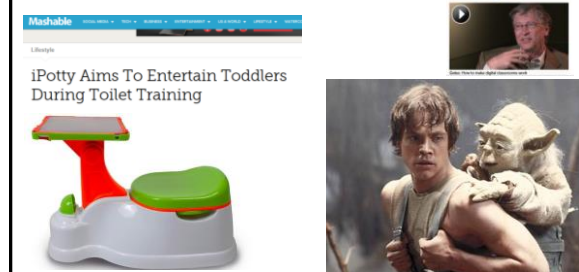
Makey Makey and the Kano

<http://makeymakey.com/>  
<https://vimeo.com/60307041>



## XIX. Learning is More Personal iPotty Aims To Entertain Toddlers During Toilet Training, Mashable, Kate Freeman (January 10, 2013)

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



## Learning is More Personal

Localization and Translation of Open Content

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

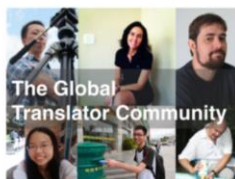
Coursera Seeks to Create a 'Global Translator Community'

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

Sign Up

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

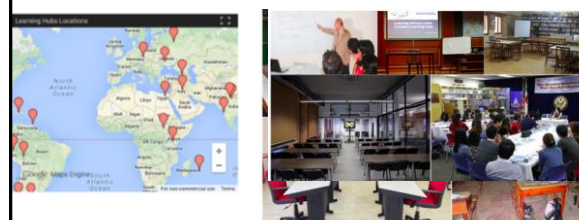
Join the GTC &  
Meet our translators >



## XX. Learning is More Communal April 30, 2014

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

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





## 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>



## January 23, 2015 Gates Newsletter

[http://www.gatesnotes.com/2015-annual-letter?page=0&lang=en&WT.mc\\_id=01\\_21\\_2015\\_AL2015-BG\\_PPPI\\_Tmg1\\_Top\\_20](http://www.gatesnotes.com/2015-annual-letter?page=0&lang=en&WT.mc_id=01_21_2015_AL2015-BG_PPPI_Tmg1_Top_20)



A quick overview of the bet we're making about the next 15 years.

## Learning is More Online June 15, 2014

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

[http://money.cnn.com/2014/06/15/news/economy/starbucks-schultz-education/index.html?hpt=hp\\_12](http://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>



## XII. Learning is More Modifiable

Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013  
<http://www.universitybusiness.com/article/inside-look-learning-spaces>



## XIII. Learning is More Comfortable

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



## XIV. Learning is More Ubiquitous September 23, 2014

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



## XV. Learning is More Instantaneous April 9, 2013

HER Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today  
<http://www.usatoday.com/story/tech/2013/04/09/her-computer-fashions-face-social-test/277616/>  
 (i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)  
<http://www.fiercomobilehealthcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-28>



## XVI. Learning is More Free August 5, 2014

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

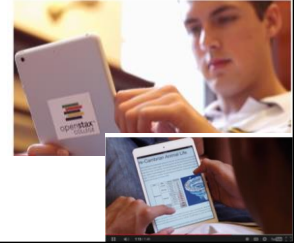
<http://thejournal.com/articles/2014/08/05/openstax-aims-to-bring-free-digital-textbooks-to-high-schools.aspx>

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



Screen savers

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

## 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>



## Want something FREE? Introducing the "TEC-VARIETY" book...(Framework #1) <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 IU

## XXVII. Learning is More Self-Directed February 2013

### TED Talks

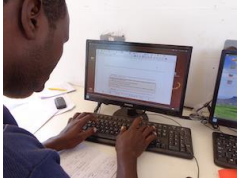
(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra  
[http://www.ted.com/talks/sugata\\_mitra\\_build\\_a\\_school\\_in\\_the\\_cloud.html](http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html)



## XXVIII. Learning is More Global August 1, 2014

Can You Really Teach a MOOC in a Refugee Camp?,  
Chronicle of Higher Education, Steve Kolowich

[http://chronicle.com/blogs/insidecampus/can-you-really-teach-a-mooc-in-a-refugee-camp/541917#id=skolowich\\_source=atlantic\\_medium-ran](http://chronicle.com/blogs/insidecampus/can-you-really-teach-a-mooc-in-a-refugee-camp/541917#id=skolowich_source=atlantic_medium-ran)



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)

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/>



Last year's map showing the connections Joe Grabowski's made with scientists all over the world....(grade 8 students)...This is one of nearly 100 connections with scientists, explorers, and conservationists that his class has made.

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

Nature, Openwords, etc.

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

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



## 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."



## MIT OpenCourseWare (OCW)

<http://ocw.mit.edu/index.htm>





## Fast Forward to 2015 MIT OCW and the OpenCourseWare Consortium



## XXX. Learning is More Massive

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

<https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about#>  
Softcover (\$30): [http://www.parforpress.com/invasion\\_of\\_the\\_mooocs](http://www.parforpress.com/invasion_of_the_mooocs)  
Free (PDF): [http://www.parforpress.com/pdf/invasion\\_of\\_the\\_mooocs.pdf](http://www.parforpress.com/pdf/invasion_of_the_mooocs.pdf)



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

<http://chronicle.com/blogs/techtherapy/2012/10/01/episode-59-what-wearable-computers-could-mean-for-campuses/>



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



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

## Global Health Initiatives October 7, 2014

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

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



WHY WAIT FOR OTHERS TO FIGHT  
EBOLA?

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

## April 20, 2015 250 MOOCs and Counting: One Man's Educational Journey, Chronicle of Higher Education

<http://chronicle.com/article/250-MOOCs-Counting-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.

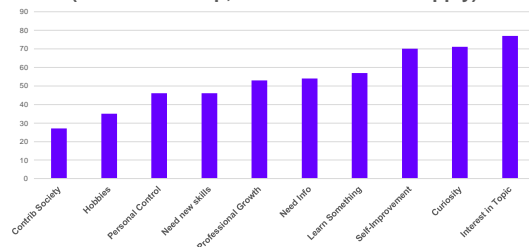


Jima Ngei: "I had this unrelenting fear that this  
miracle of free access might evaporate soon."

## Reasons to explore?

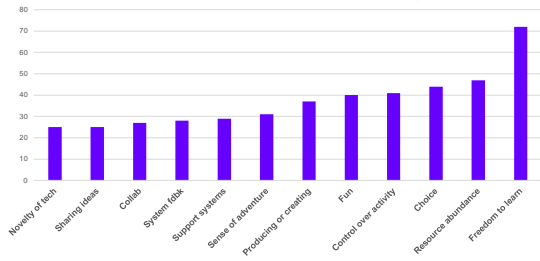
Main Reason Explore the Web Informally to  
Learn

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



## Factors leading to success or personal change?

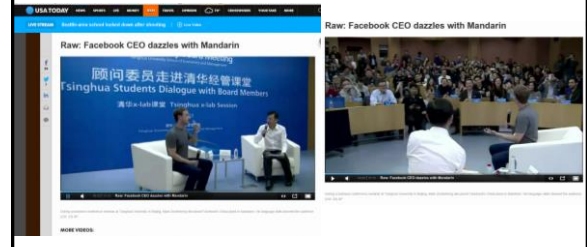
Factors Leading to Success or Personal Change When Exploring Online  
(MIT OCW Group; Note: Check all that apply)



**October 24, 2014**

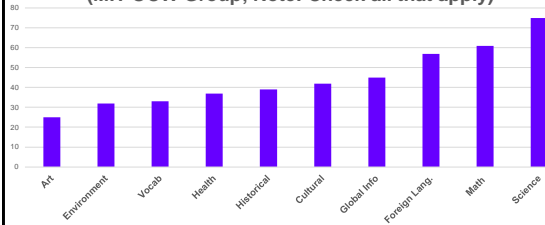
**Raw: Facebook CEO dazzles with Mandarin, USA Today**

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



## Skills hoping to acquire?

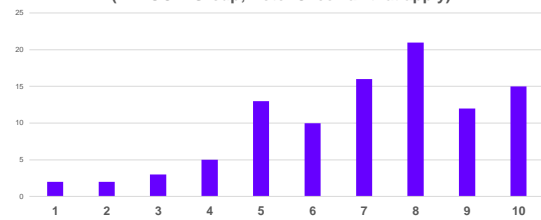
Skills Would Like to Learn Online Informally  
(MIT OCW Group; Note: Check all that apply)



## 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)



## Life Changing Example #1

**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 #2

**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 #3

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.



**September 18, 2013**

**MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX, Steve Kolowich, Chronicle of HE**  
<http://chronicle.com/blogs/wiredcampus/mit-will-offer-mooc-curricula-not-just-single-courses-on-edx/46713>

MIT Will Offer MOOC Curricula, Not Just Single Courses, on edX

September 18, 2013, 4:59 am  
 By Steve Kolowich

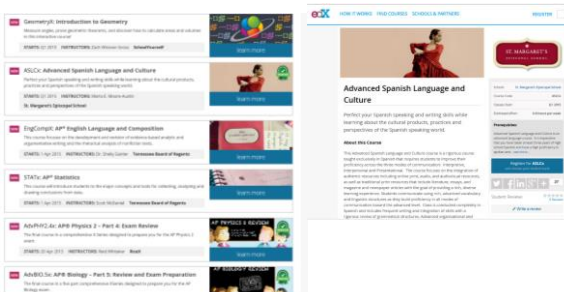
MOOC companies are hardly universities unto themselves, but now a provider wants to move beyond offering one-off courses.

MITx, a division of the Massachusetts Institute of Technology that offers courses on the nonprofit edX platform, **announced** on Tuesday that it would soon offer special certificates to students who completed a prescribed sequence of massive open online courses from MIT. The sequences will be called XSeries.



## October 6, 2014 High School Initiative

<https://www.edx.org/high-school-initiative>  
<http://www.aschboines.com/2014/10/06/high-school-moocs-439/print/>



**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.

## April 1, 2015 For a Better Flip, Try MOOCs

David Rath, Campus Technology

<http://campustechnology.com/articles/2015/04/01/for-a-better-flip-try-moocs.aspx>

### For a Better Flip, Try MOOC

Innovative faculty are running MOOCs and flipped format on-campus courses on the same schedule and having the two groups interact online — with interesting results.

By David Rath | 04/01/15



### Why MOOC OERs are "ultimate necessities" in higher education

By Mark Stuenkel, Managing Editor, @edX\_Media  
 Posted on by Mark Stuenkel

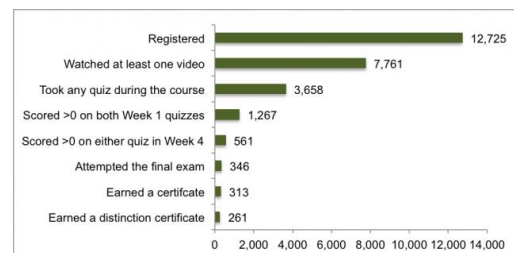
Researcher discusses 3 strategies to open up MOOC content.



Are MOOCs truly the open education innovation they were designed to be? That's the question one researcher says those in academia should be asking. Though MOOCs are based on ubiquity (suggesting an evolution of the Open Learning

**February 24, 2013**

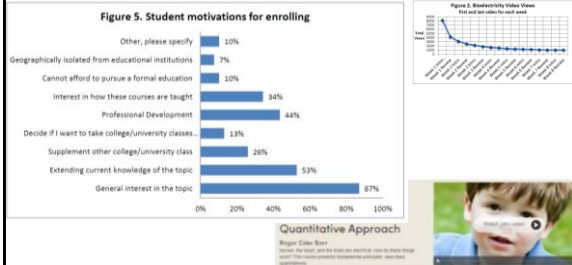
**Big (MOOC) Data, Inside Higher Education, Dayna Catropa**  
<http://www.insidehighered.com/blogs/stratgedgy/big-mooc-data>





## February 5, 2013 Bioelectricity: A Quantitative Approach, Duke University's First MOOC

[http://dukespace.lib.duke.edu/dspace/bitstream/handle/10161/6216/Duke\\_Bioelectricity\\_MOOC\\_Fall2012.pdf](http://dukespace.lib.duke.edu/dspace/bitstream/handle/10161/6216/Duke_Bioelectricity_MOOC_Fall2012.pdf)



## May 2013 MOOCs @ Edinburgh 2013– Report #1

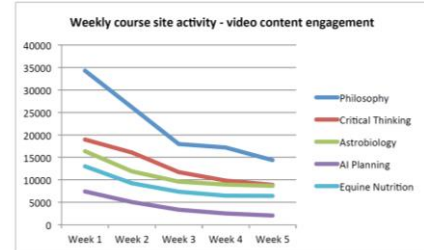


Figure 7 - Week-by-week activity tracking of the number of unique course participants engaging with video content - viewed and downloaded combined results - during the first 5 weeks (applicable to 5 courses in total)

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

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



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



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

## Things are heating up!

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

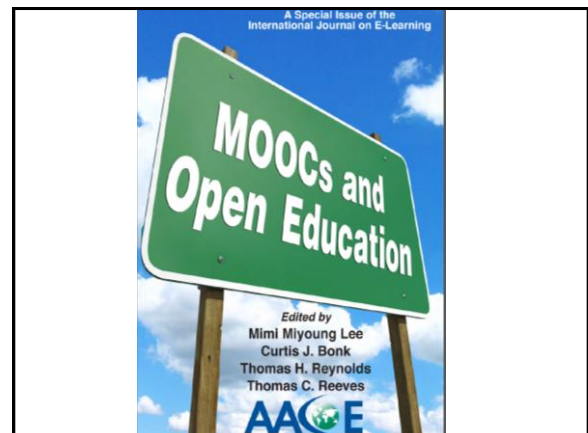
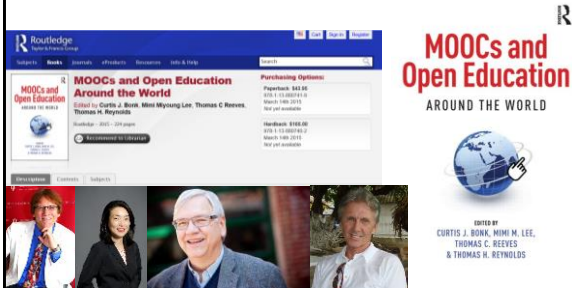


MOOCs and Open Education Around the Word

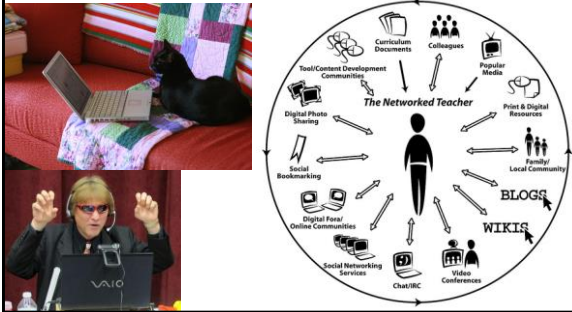
By Bonk, Lee, Reeves, & Reynolds

## MOOCs and Open Education Around the World

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



## The Web of Learning

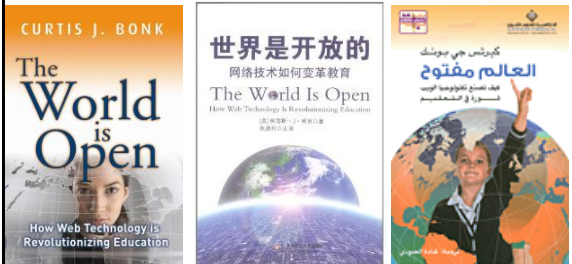


## We are entering a jumping off point...



## The World is Open for Learning!

Dr. Jiao Jianli, Professor of Educational Technology,  
Director of Future Education Research Centre  
Deputy Dean of School of Information Technology in Education,  
South China Normal University  
<http://jiao.blogshs.com/>



## The World is very open! (in Ho Chi Minh City, Vietnam, Wednesday March 12th)



## Jumping off or tilting sideways...?



## The World is very open! (In Chulalongkorn University Monday, March 10th)



## Audience Participation!

**WE**

**ALL**

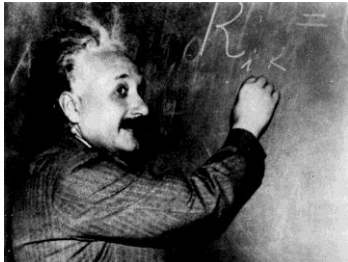
**LEARN!!!**



## Mystery of MOOCs: Part III. 4 Types of MOOCs



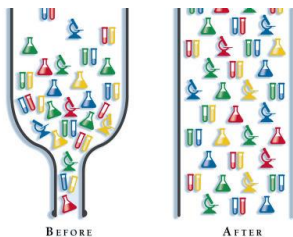
### MOOC Type #1. Theory- or Trend-Driven MOOC



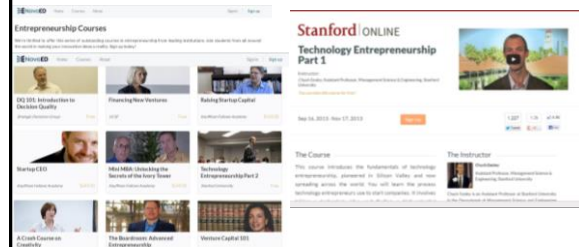
### MOOC Type #2. Remedial Course MOOC



### MOOC Type #3. Degree or Program Qualifier or System Bottleneck MOOC



### MOOC Type #4. Professional Development (PD) (practical) MOOC





## Mystery of MOOCs: Part IV. Five MOOC Business Plans and Models



## MOOC Business Model #1. Advertisers Underwrite Courses and Degrees



## MOOC Business Model #2. Small and Flexible Application or Enrollment Fee



## MOOC Business Model #3. Course Assessment Fee

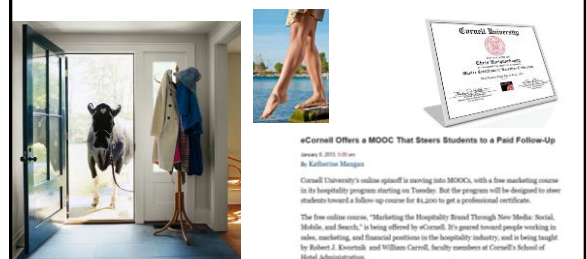


## MOOC Business Model #4. Certificate Fee (with sticker)

<https://twitter.com/drchuck/status/262423228717355009/photo/1>



## MOOC Business Model #5. Free Entryway Course



## How do you now view the instructor in this more Open World?



## From Instructor as Credit Manager...



## To Instructor as Orchestra Conductor or Concierge?



## And Instructor as Curator?



## How about Instructor as Course Ambassador?



## Mystery of MOOCs: Part V. Five MOOC Instructor Guidelines

Teaching a MOOC on Coursera



## MOOC Instructor Guide #1.

### Plan and Prepare

October 12, 2012

Radical rethink: how to design university courses in the online age, Paul, Wappett, The Conversation, Australia

<http://theconversation.edu.au/radical-rethink-how-to-design-university-courses-in-the-online-age-5222>

#### THE CONVERSATION

##### TRADITIONAL STUDY MODEL - LINEAR



##### ONLINE STUDY MODEL - DYNAMIC



## MOOC Guide #2.

### Use Peer, Machine, Volunteer, and Self-Assessment



## MOOC Guide #3.

### Address Participants by Geographic Region



## MOOC Guide #4.

### Personalize Where Possible Chuck Severance (U Michigan/Coursera) in Barcelona, Seoul, Manila, Melbourne, etc.

<http://www.youtube.com/watch?v=JzNHvmsv8TI>



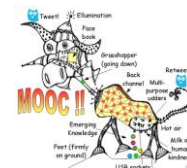
## MOOC Guide #5. Form Groups and Social Supports



## Audience Poll #7: Would you like to teach or take a MOOC now?

A. Yes...

B. No...



Gordon Lockhart, iBerry,  
<http://iBerry.com/>  
<http://gls5.wordpress.com/2011/03/08/cck11-man-this-mooc-is-something-else/>



### 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 Bratt, MIT News Office

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



**May 17, 2015**

**So...Why Is The University Still Here?**

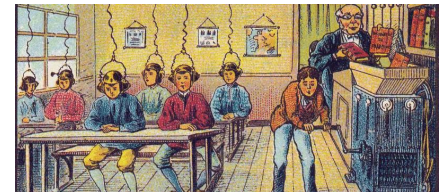
TechCrunch, Danny Crichton

<http://techcrunch.com/2015/05/17/why-is-the-university-still-here/#.oczeiqnR1s>



**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.*

**Stop and Share:**  
**Three Words**  
**from this**  
**Session!**



**3 3 3**



**Any Comments or Questions?**

**Try TEC-VARIETY...**

**Slides at: TrainingShare.com**

**Papers: PublicationShare.com**

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

**Dr. Curt Bonk – [CJBonk@Indiana.edu](mailto:CJBonk@Indiana.edu)**



**MOOCs and**  
**Open Education**  
AROUND THE WORLD

