

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

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## 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?cid=katm\\_source=at&utm\\_medium=n](https://chroniclevitae.com/news/792-the-problem-with-learning-technology?cid=katm_source=at&utm_medium=n)



## Knowledge Navigator (1987) Apple Computer

<http://www.youtube.com/watch?v=hb4AzF5wEoc>



## Poll #2: Read any good books lately? The Innovators:

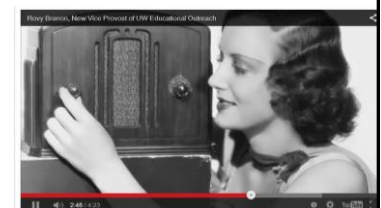
How a group of hackers, geniuses, and geeks created the digital revolution. New York: Simon & Schuster.  
 Walter Isaacson (2014)  
<http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708690>



## Poll #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/>

Humanitarian news and analysis



**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>

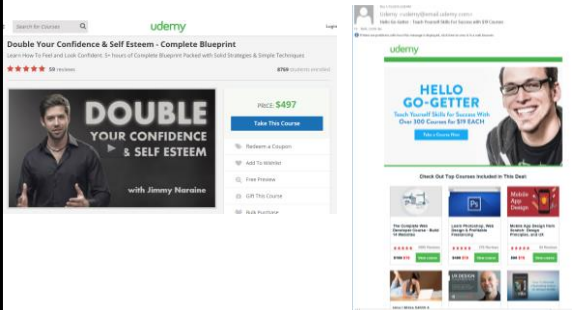


**April 23, 2015**  
**The Catch in Arizona State's Low-Cost Freshman Year Online:**  
 No Aid, Chronicle of Higher Education, Thomas Fisher  
<http://chronicle.com/article/The-Catch-in-Arizona-State-s/229617/>



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."

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




**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.onlinelibrarysurvey.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  
 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

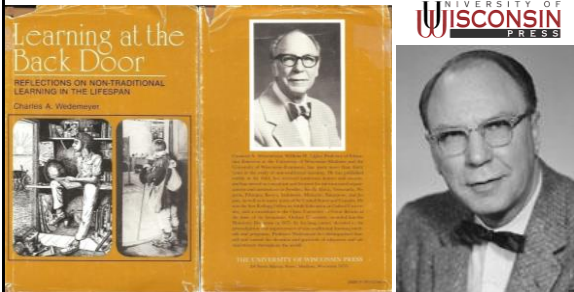
**May 10, 2013**

**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/>



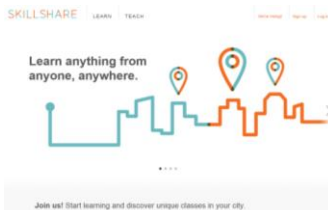
**Took Correspondence & TV Courses**  
(thanks to Bob Clasen and Charles  
Wedemeyer, the University of Wisconsin)



**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."



**Twenty-Five Ways  
Learning is Changing...**

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



### I. Learning is More Mobile (e.g., mobile courses on smartphone)



**April 2, 2015**

### Review: Samsung rises to challenge with Galaxy S6 and S6 Edge, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2015/03/31/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-yours-120786>

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.

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

[http://www.cnn.com/2012/10/02/tech/smartphone-zombie-apocalypse/comments/index.html?hpid=hp\\_hp-top-table-main-smartphone-zombie-apocalypse\\_04](http://www.cnn.com/2012/10/02/tech/smartphone-zombie-apocalypse/comments/index.html?hpid=hp_hp-top-table-main-smartphone-zombie-apocalypse_04)

Our Mobile Society

Readers: Are we headed for a smartphone zombie apocalypse?

By Nicole Saidi

### 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/151831/>

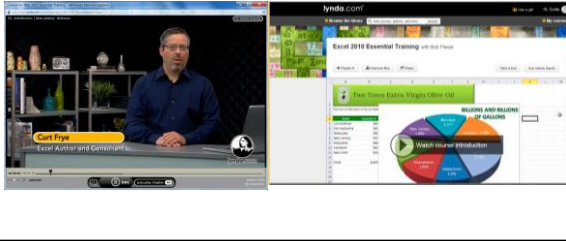
Get schools out of the 1990s

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>



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

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

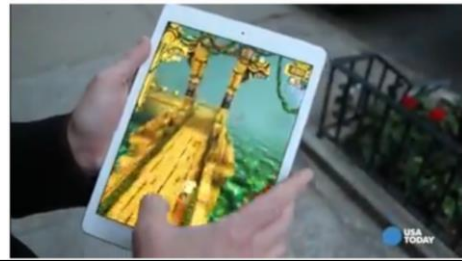
<http://www.clomedia.com/articles/corporate-classrooms-adapting-to-change>



### VI. Learning is More Game-Based October 21, 2014

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

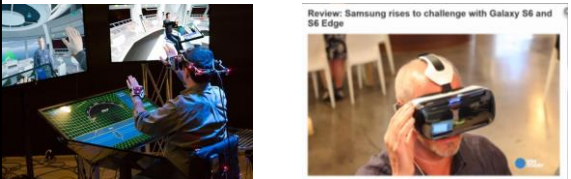
<http://www.usatoday.com/story/tech/columnist/baig/2014/10/21/ipad-air-2-fabulous-but-not-must-upgrade/1755225/>



### 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/70727752/>



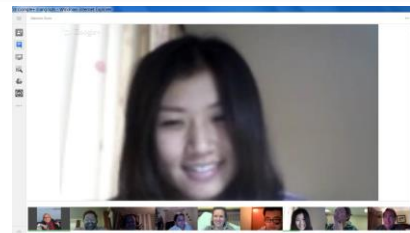
A technician uses virtual reality to test out new military hardware before it's ever put into production. (March 20, 2015)

### 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 Adventurous**  
**Aaron Doering, Chasing Seals, TEDx**  
<http://chasingseals.com/>



**X. 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 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 Udemy.

**XI. 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>



**XII. Learning is More Informal**  
**October 13, 2013**

**A Dozen Ways To Promote Informal Learning**  
 Chief Learning Officer, Saul Carliner

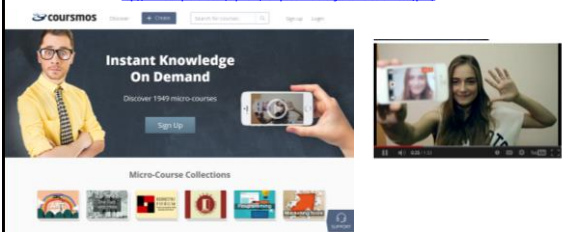
<http://www.clomedia.com/articles/a-dozen-ways-to-promote-informal-learning>



**XIII. Learning is More On Demand**  
**May 5, 2014**

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

<http://www.ecampusnews.com/top-news/new-platform-challenge-conventional-moocs/print/>



**IVX. Learning is More Hands-On**  
**February 2, 2015**

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



## XV. 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/>



**Mashable**  
iPotty Aims To Entertain Toddlers During Toilet Training

## 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.



**The Global Translator Community**

## XVI. 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/posts/84323235013/new-learning-hubs-locations-hosted-by-the-new-work>



**Learning Hubs Locations**

## Online Language Learning

(e.g., 300,000 people per month listening to ChinesePod, co-hosted by Jenny Zhu, John Pasden)

<https://chinesepod.com/>



**ChinesePod**  
QUICK REVIEW

**Chinese Learning for Busy People**  
Learn Mandarin Chinese with 3500+ Situational Lessons

## Online Language Learning

### SpanishPod

<http://www.spanishpod101.com/>



**SpanishPod**  
Learn Spanish in the Fastest, easiest and most fun way!

## The iTalki

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



**italki**  
How does italki work?

**LEARN WITH ONLINE LANGUAGE TEACHERS**

**February 5, 2015**  
**XVII. Learning is More Online**

2014 Survey of Online Learning  
 Grade Level: Tracking Online Education in the United States, 2014, Online Learning Consortium (formerly Sloan-C), by I. Elaine Allen and Jeff Seaman  
<http://www.onlinelearningconsortium.com/reports/gradelevel.pdf>  
<http://edition.cnn.com/videos/business/2015/03/11/wbt-yale-offers-online-degree-2u-ceo.cnn>



**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\\_Img1\\_Top\\_20](http://www.gatesnotes.com/2015-annual-letter?page=0&lang=en&WT.mc_id=01_21_2015_AL2015-BG_PPPI_Img1_Top_20)



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

**XVIII. 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>



**IXX. 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>



**XX. 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>

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



**XXI. 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/2015/01/09/us/politics/obama-proposes-free-community-college-education-for-some-students.html?\\_r=0](http://www.nytimes.com/2015/01/09/us/politics/obama-proposes-free-community-college-education-for-some-students.html?_r=0)



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>



**XXII. 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)

**TED** Ideas worth spreading

**TALKS**  
Sugata Mitra: Build a School in the Cloud





**TED** Ideas worth spreading

**TALKS**  
Sugata Mitra: Build a School in the Cloud



**XXIII. 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/>

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.

**XXIV. Learning is More Open**  
**(December 2, 2014)**  
**Nature, Openwords, etc.**  
<http://www.openwords.com/>  
<https://www.facebook.com/Openwords>

**The Digital Campus**

Open Education's Wide World of Possibilities



**nature**


Biochemical networks



In a Move Toward Open Access, 'Nature' Allows Widespread Article Sharing



**Online Language Learning**  
**BBC Learning English**



**Have some idioms for breakfast**

|  |  |
|--|--|
| I'm in a jam and I need some extra cash              | I'm in trouble and I need some extra cash                      |
| You've got to butter the client up to close the deal | You have to be very friendly with the client to close the deal |
| Don't put all your eggs in one basket                | Don't put all your resources in one place                      |
| You broke the law? You're toast!                     | You broke the law? You're in trouble!                          |
| Wake up and smell the coffee!                        | Pay attention to what's happening!                             |

© BBC Learning English

## Online Language Learning DuoLingo

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

## Audience Poll #7:

**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>

## 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**

**OOPS OOPS**  
OpenSource OpenCourseWare Prototype System  
開放式課程計劃

## XXV. 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#Software> (\$30): [http://www.parlorpress.com/invasion\\_of\\_the\\_mocs](http://www.parlorpress.com/invasion_of_the_mocs)

Free (PDF): [http://www.parlorpress.com/pdf/invasion\\_of\\_the\\_mocs.pdf](http://www.parlorpress.com/pdf/invasion_of_the_mocs.pdf)

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

<http://chronicle.com/blog/techtherapy/2012/10/03/episode-29-what-wearable-computers-could-mean-for-computes/>



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 Mocc 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

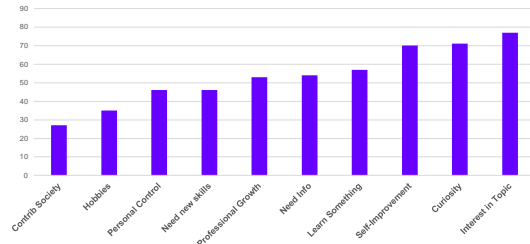
<http://chronicle.com/article/250-MOOCsCounting-One/229397/?cid=at>  
If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.



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

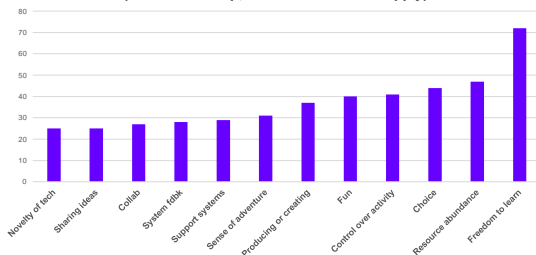
### Reasons to explore?

Main Reason Explore the Web Informally to Learn  
(MIT OCW Group; Note: Check all that apply)



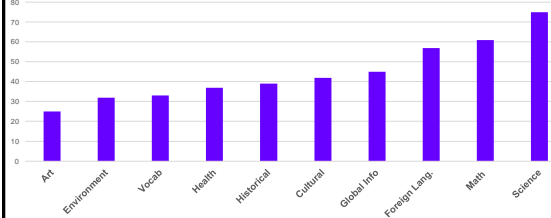
### Factors leading to success or personal change?

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



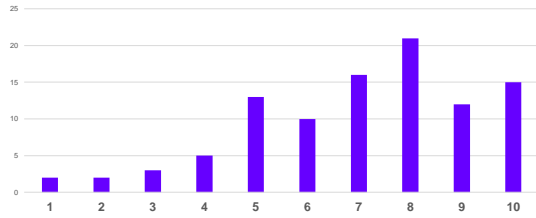
### Skills hoping to acquire?

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  
 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/2013/09/18/edcampus/mit-will-offer-mooc-curricula-not-just-single-courses-on-edx/>

### 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.

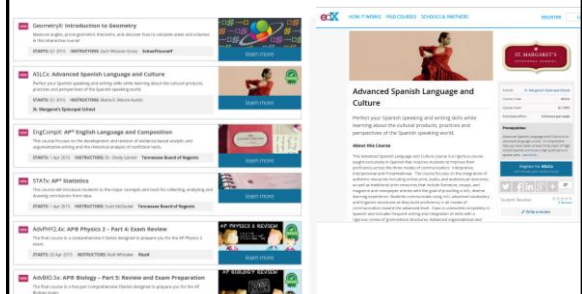
MITx, a division of the Massachusetts Institute of Technology that offers courses on the nonprofit edX platform, announced on Tuesday that it would soon offer special certificates to students who completed a prescribed sequence of massive open online courses from MIT. The sequences will be called XSeries.



## October 6, 2014 High School Initiative

<https://www.edx.org/high-school-initiative>

<http://www.eschoolnews.com/2014/10/06/high-school-mooc-833/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 Raths, 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 Raths | 04/01/15



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

By Heidi Steinhilber, Managing Editor, @edutech, @edutech

Read more by Heidi Steinhilber

March 23rd, 2014



Researcher discusses 3 strategies to open up MOOC content.

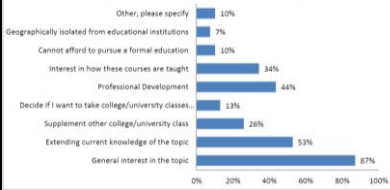
Are MOOCs truly the open education innovation they were designed to be? That's the question one researcher says those in academia should be asking. Though MOOCs are based on equity (suggesting an evolution of the Open Learning

**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)

Figure 5. Student motivations for enrolling



Quantitative Approach

Roger Cole, Dean

The first MOOC in the world was launched in 2008. It was a course in



**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."

**May 26, 2015**

**EduTech and MOOC Times in China**  
 Michael Trucano On Tue, 05/12/2015, EduTech

<https://blogs.worldbank.org/edutech/edutech-and-mooc-times-china>



**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/>

**MOOCs and Open Education  
AROUND THE WORLD**

EDITED BY  
CURTIS J. BONK, MIMI H. LEE,  
THOMAS C. REEVES  
& THOMAS H. REYNOLDS

A Special Issue of the  
International Journal on E-Learning

# MOOCs and Open Education

Edited by  
Mimi Miyoung Lee  
Curtis J. Bonk  
Thomas H. Reynolds  
Thomas C. Reeves

**AACE**

## 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.blogbus.com/>

## The World is very open!

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

# Audience Participation!

**WE**

**ALL**

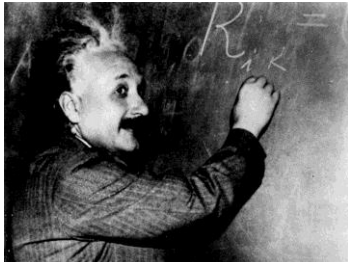
**LEARN!!!**



# Mystery of MOOCs: Part III. 3 Types of MOOCs



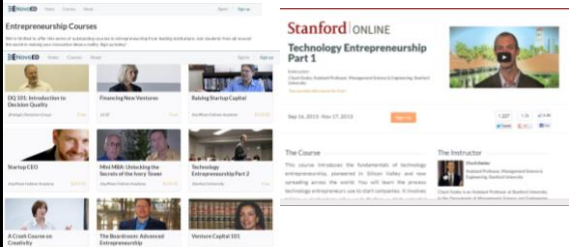
# MOOC Type #1. Theory- or Trend-Driven MOOC



# MOOC Type #2. Remedial Course MOOC



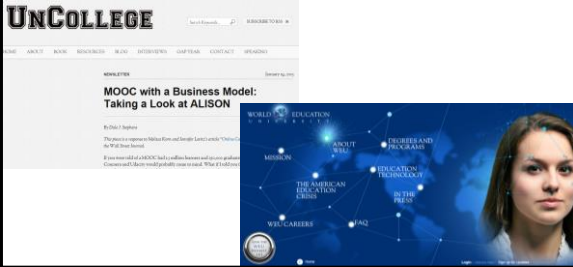
# MOOC Type #3. Professional Development (PD) (practical) MOOC



# Mystery of MOOCs: Part IV. 3 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 Certificate or**  
**Assessment Fee**



**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?



## Mystery of MOOCs: Part V. Three MOOC Instructor (i.e., "Ambassador") Guidelines



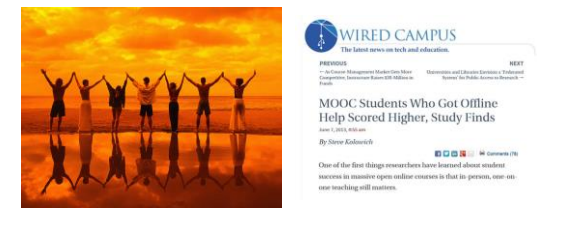
## MOOC Guide #1. Use Peer, Machine, Volunteer, and Self-Assessment



## MOOC Guide #2. Personalize Where Possible Chuck Severance (U Michigan/Coursera) in Barcelona, Seoul, Manila, Melbourne, etc. <http://www.youtube.com/watch?v=JzNHvmsv8TI>



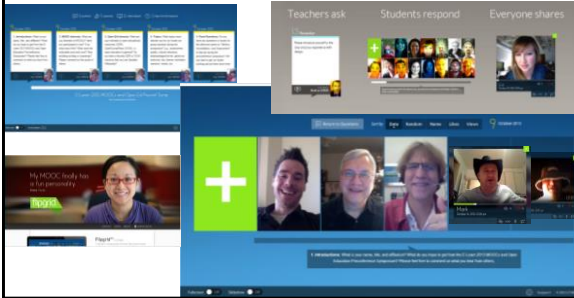
## MOOC Guide #3. Form Groups and Social Supports



## Introducing the free "TEC-VARIETY" Book and Framework... <http://tec-variety.com/> <http://tec-variety.com/TEC-VARIETY-Chinese.pdf>



**1. Tone/Climate: A. Threaded Video Discussions, e.g., Flipgrid**  
<http://flipgrid.com/#429f88c5>



**October 4, 2014**  
**2. Encouragement, Feedback, etc.:**

**A. Class Facebook Group**  
 Dr. Bonk's creative fun time group (R546)

<https://www.facebook.com/groups/830496290323899/>



**May 28, 2015**

**3. Curiosity, Fun:**

**A. 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 hominid 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>



**3. Curiosity, Fun:**

**B. Design Article Database in Pinterest, Jenny Webeck**

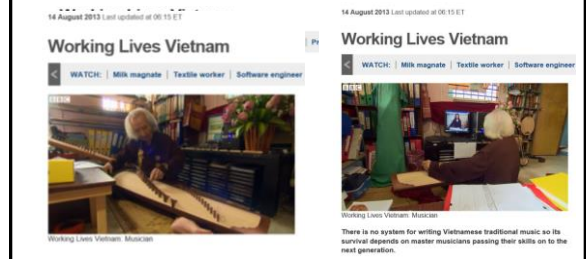
<https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/>  
 EDED 5372 Emerging Trends and Issues in Instructional Technology



**4. Variety, Novelty, Fun:**

**A. Teach from Vietnam to the World**

**BBC News Asia, August 14, 2013**  
 Even though he is now very elderly Vinh Bao (age 96) still teaches music, using his computer to coach pupils across the globe.  
<http://www.bbc.com/news/world-asia-23497559>



## 5. Autonomy, Choice: A. Design Multimedia Glossaries

Ozgur Ozdemir, December 2012  
<http://r685glossary.shutterfly.com/>  
 Umida Khikmatillaeva, Dec. 2011, P540  
<http://learningplanet.shutterfly.com/>



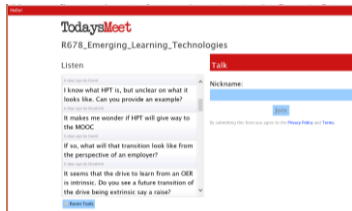
## 6. Relevance, Meaningfulness: A. Guest Chats (e.g., Emily Hixon, January 20, 2015)

<https://connect.iu.edu/p259wpiabq9/>

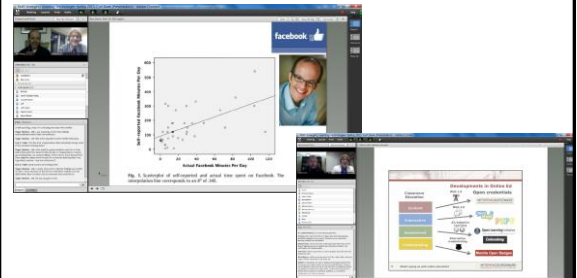


## January 27, 2015 7. Interactive, Collaborative: A. Backchannel Chat (TodaysMeet)

<https://todaysmeet.com/>  
 R678\_Emerging\_Learning\_Technologies  
[https://todaysmeet.com/R678\\_Emerging\\_Learning\\_Technologies](https://todaysmeet.com/R678_Emerging_Learning_Technologies)

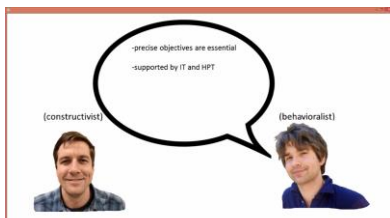


## 8. Engagement, Effort: A. Guest Speaker Quotes (Rey Junco, February 25, 2013)



## March 13, 2015 9. Tension, Challenge, etc.: A. Controversial Issue Debates

R511 Midterm Video How to Create an Authentic Environment in a Content-Driven School?, R511, Nick and Nik  
[https://www.youtube.com/watch?v=Bcr3\\_aZT\\_xQ&feature=youtu.be](https://www.youtube.com/watch?v=Bcr3_aZT_xQ&feature=youtu.be)



## 10. Yields Products, Goals: A. Student Created Mobile Apps and Videos



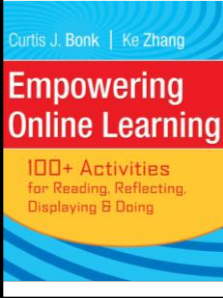

**Commitments:**  
**Stop and Share:**  
 Which principle(s) of TEC-VARIETY will you use?

**Tone/Climate**  
**Encouragement, Feedback**  
**Curiosity**

**Variety**  
**Autonomy**  
**Relevance**  
**Interactive**  
**Engagement**  
**Tension**  
**Yields Products**



**Framework #2: The R2D2 Model**

**January 28, 2015**  
**Read 1a. Twitter Fed Class Discussions**  
 Live-Tweeting Assignments: To Use or Not to Use?  
 he Chronicle of Higher Education, Adeline Koh  
<http://chronicle.com/blogs/profhacker/live-tweeting-assignments-to-use-or-not-to-use/58949>



January 28, 2015 by Adeline Koh  
 Live-Tweeting Assignments: To Use or Not to Use?

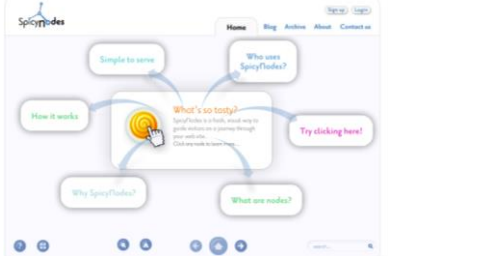
We've written a great post on using Twitter in the classroom. It's all about how to create a safe space for students to share their thoughts and ideas. It's also about how to use Twitter to connect with other educators and to share your own work.

**Reflect 2a.**  
**Interpreting Infographics**  
**July 24, 2014**  
 Woman in Computer Science  
<http://graduatedegrees.online.njit.edu/mscs/resources/mscs-infographics/women-in-computer-science/>



THE FACTS ABOUT WOMEN AND SCIENCE

**Display 3a. (April 28, 2015)**  
**Concept Mapping and Timeline Tools**  
 (Bubl.us, Cmap, Gliffy, Spicynodes, or Mindomo)  
<http://www.spicynodes.org/index.html>



Spicynodes

Simple to serve

What uses SpicyNoodles?

How it works

What's so tasty?

Try clicking here!

Why SpicyNoodles?

What are nodes?

**Do 4a. Student Music Recordings on Course Content**  
**April 26, 2015**  
 IST Groove Song, Jeffrey Jenkins, R511  
<https://soundcloud.com/jeffjenkins25/ist-groove>  
 The World is Open, Jill Kaufman, R678  
<https://www.youtube.com/watch?v=ZRGVOMq5Vmw&feature=youtu.be>



IST GROOVE

The World is Open

**Poll #8: Which do you prefer...  
(A) TEC-VARIETY or (B) R2D2?**

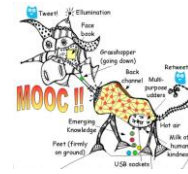


**What motivates?**

1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Responsiveness, Praise, Supports
3. Curiosity: Surprise, Intrigue, Unknowns
4. Variety: Novelty, Fun, Fantasy
5. Autonomy: Choice, Control, Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Inequality: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Investment
9. Tension: Challenge, Dissonance, Controversy
10. Yielding: Predictable, Goal Driven, Purposeful Vision, Ownership

**Audience Poll #9:  
Would you like to teach or take a  
MOOC now?**

- A. Yes...  
B. No...**



Gordon Lockhart, @berry,  
<http://berry.com/>  
<http://gh55.wordpress.com/2011/03/18/cck11-moo-it-moo-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 Bradt, MIT News Office

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



**Audience Poll #10:  
Stop and Share:  
Three Words from  
this Session!**



333



**Any Comments or Questions?**

**Try TEC-VARIETY...**

**Slides at: [TrainingShare.com](http://TrainingShare.com)  
Papers: [PublicationShare.com](http://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



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TANAKA & STEVEN  
S. TANAKA & STEVEN

