Taking Leadership in Mystery of MOOCs and the Mass Movement toward Open Education

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

February 26, 2013
The First Correspondence Course
(University of London, External Program, 1858)
http://www.informationweek.com/education/leadership/educational-technology-across-the-ages/240149241

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/

Looking to the Past...

Life as an accountant/CPA in a high tech company in the 1980s...
Took Correspondence & TV Courses
(thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)

Knowledge Navigator (1987)
Apple Computer
http://www.youtube.com/watch?v=hb4AzF6wEoc

Fast Forward 25+ Years...
"Anyone can now learn anything from anyone at any time."

Learning is Changing
New Technologies = New Delivery Methods...

Audience Polls #2:
I. Who remembers where they were when they found out that Steve Jobs died?
II. Who remembers what they were doing on 9/11?
III. Who remembers what they were doing on April 4, 2001?
Charles Vest (April 4, 2001)

"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."

I. Learning is More Open
(80-Year-Old WGU Texas Grad Keeps His Promise, November 30, 2012, Reeve Hamilton, Texas Tribune)

II. Learning also is More Collaborative
Collaboration and Discussion in Google Hangouts or with iPad, Jan. 28, 2013
(Carrie Gong from Beijing Normal University)

III. Learning is More Mobile
Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

IV. Learning is More Video-Based
Adora Svitak, WFP Youth Representative - 2013
ECOSOC Youth Forum, March 27, 2013

V. Learning is More Social
Facebook reaches one billion users, CNN Money, Aaron Smith, October 4, 2012
VI. 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/

VII. Learning is More Modifiable
Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013

VIII. 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

IX. Learning is More Ubiquitous
Flexible displays bend what’s possible for computers, Jon Swartz, USA Today (May 4, 2012)

X. Learning is More Instantaneous
HER Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
http://www.fiercemobilehealthcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18

XI. Learning is More Global
UC Irvine (2013 report)
Example 3: Fundamentals of Japanese
Dr. Hidemi Riggs, Fall 2012 & Winter 2013, Tech-enhanced: EEE Advanced Webspace (Dreamweaver), Skype video conferencing tool, Active Learning, Format: 5-1A lectures (24 students maximum); 3-2A lectures (24 students maximum); 2-3A lectures (24 students maximum)
XII. Learning is More Massive
April 16, 2013 (NovoEd)
New MOOC Provider Says It Fosters Peer Interaction
Chronicle of Higher Education, Jake New
http://novoed.com/

Poll #3:
Have you participated in a MOOC before?
A. Yes
B. No

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

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

November 2, 2012
The Year of the MOOC,
New York Times, Laura Pappano,
http://www.nytimes.com/2012/11/04/education/edlife/massive-open-online-courses-are-multiplying-at-a-rapid-pace.html?pagewanted=all&emc=eta1&&_r=3&

April 20, 2013
Two Cheers for Web U!
A. J. Jacobs, New York Times

Clockwise, from top left: an online course in circuits and electronics with an M.I.T. professor (edX); statistics, Stanford (Udacity); machine learning, Stanford (Coursera); organic chemistry, University of Illinois, Urbana (Coursera).
May 6, 2013
Faculty Backlash Grows Against Online Partnerships
Chronicle of Higher Education, Steve Kolowich
http://chronicle.com/article/Faculty-Backlash-Grows-139049/

March 7, 2013
At South by Southwest Education Event, Tensions Divide Entrepreneurs and Educators, Jeffrey R. Young, Chronicle of HE,

June 19, 2013
2013 is “The Year of the Anti-MOOC”
George Siemens, UW-Madison Summit

February 24, 2013
Big (MOOC) Data, Inside Higher Education, Dayna Catropa

May 2013
MOOCs @ Edinburgh 2013– Report #1

August 8, 2013
The MOOC ‘Revolution’ May Not Be as Disruptive as Some Had Imagined
Steve Kolowich, Chronicle of Higher Ed
MOOC Leadership Principle #1:
Be First!
June 21, 2011 and August 2, 2011
Stanford U. Offers Free Online Course in Artificial Intelligence (over 160,000 enroll, 23,000 complete, and 238 perfect scores; http://www.ai-class.com/)

MOOC Leadership Principle #2:
Offer Something Novel or Distinct
September 15, 2011, Stanford Engineering, Everywhere (SEE) http://see.stanford.edu/
View lecture videos, access reading lists & course handouts, take quizzes and tests, and communicate with other students.

MOOC Leadership Principle #3:
Form Strategic Partnerships
April 18 and Sept 19, 2012: Coursera (https://www.coursera.org/)

January 2013
MOOCs and the Collaboration Industry, Wainhouse Research Note, Analyst: Alan D. Greenberg

MOOCs slowly take hold
PLENG2010, DIS106, University of the People, PPU
First MOOC
Althausen U & Canadian National Research Council
(1,300+)

2008
2009 - 2010
2011
2012
2013 - 2017
MOOCs slowly take hold
PLENG2010, DIS106, University of the People, PPU
Stanford Intro to AI MOOC ($30,000)
Udacity, Coursera, edX (rebranded MIT program)
Big Name U, trial and error, best practices, business "remodeling," mainstreaming

April 27, 2012
Introduction to Blackboard/CourseSites MOOC, With Dr. Curt Bonk: "Instructional Ideas and Technology Tools for Online Success" (4,039 now enrolled) http://www.youtube.com/watch?v=8e1hEh3qjPT&feature=youtu.be

Coursera List of Courses
National Taiwan University
https://www.coursera.org/taiwan
Coursera said that it had students registered in 196 countries. The highest proportions are in the United States (38 percent), Brazil (6 percent), India (5 percent), and China (4 percent).

The breakdown is similar at Udacity, which says it has students in 203 countries, with the greatest numbers hailing from the United States (42 percent), India (7 percent), Britain (5 percent), and Germany (4 percent).
MOOC Leadership Principle #7: Be Proactive in Addressing Concerns
August 16 & September 6, 2012

MOOC Leadership Principle #8: Ask Questions
Dec 11, 2012
UMass Boston
http://chronicle.com/article/Massive-Excitement/134678/

MOOC Leadership Principle #9: Serve Those in Your Country/Region
June 19, 2012
UW-Madison to expand distance learning with Massive Open Online Courses, Kari Knutson, University of Wisconsin-Madison News

MOOC Leadership Principle #10: Conduct Formative Evaluation

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

August 19, 2013
Entrepreneurship Curriculum
NovoEd, Amin Saberi
https://novoed.com/courses/entrepreneurship

Mystery of MOOCs: Part IV. Nine 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)
[Link](https://twitter.com/drchuck/status/26242328717355009/photo/1)

MOOC Business Model #5. Enhanced Course Fee and Option for University Credit (full price)

MOOC Business Model #6. Percent of First Year Salary (companies pay for names and contact info of high performers)

MOOC Business Model #7. Build, Sell, or Lease Courses (e.g., to other colleges)
MOOC Business Model #8. Free Entryway Course

MOOC Business Model #9. Charge Fee for Student Data

We are entering a jumping off point...

April 15, 2013 World will soon be “Webified”
Google boss: Entire world will be online by 2020, Doug Gross, CNN

Google Wi-Fi from the Sky, Steven Levy, pp. 126–131, Wired, September 2013
http://www.wired.com/gadgetlab/2013/08/googlex-project-loon/

The Web of Learning

Google X chief Astro Teller (left) and Project Loon’s first leader, Rich DeVaul, holding the system’s ground-based antennas.
It is very open! (at least in Norway & the Philippines)

Framework #1: WE-ALL-LEARN:
Ten Forces that Opened the Learning World
- Web Searching in the World of e-Books (i.e., Darwin)
- E-Learning and Blended Learning
- Availability of Open Source and Free Software (e.g., Moodle)
- Leveraged Resources and OpenCourseWare (e.g., MIT)
- Learning Object Repositories and Portals (i.e., shared content)
- Learner Participation in Open Info Communities (YouTube)
- Electronic Collaboration and Interaction (sync and async)
- Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)

Audience Participation!
WE ALL LEARN!!

Opener #1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)

Opener #2. E-Learning and Blended Learning

OpenStax College
(OpenStax College offers students free textbooks that meet scope and sequence requirements for most courses. These are peer-reviewed texts written by professional content developers.)
http://openstaxcollege.org/
Why I spent 10th grade online. Sophia Pink, Washington Post, August 23, 2013

More than six million post-secondary students are taking online classes in the USA; growing by 10% per year. http://sloanconsortium.org/publications/survey/going_distance_2011

Free Online Higher Education: 5 Best MOOCs
By Kannan Sankaran, Epoch Times
http://www.theepochtimes.com/n3/229640-5-best-moocs-for-free-online-higher-education/

Virtual U: Master’s Degree Is New Frontier of Study Online
Tamar Lewin, The New York Times
http://www.nytimes.com/2013/08/18/education/masters-degree-is-new-frontier-of-study-online.html?_r=0

Opener #3. Availability of Open Source and Free Software Moodle
(July 18, 2013: 72 million users in 237 countries, 84,518 sites, 7.6 million courses)
Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from Harvard Edx, MITx, CORE, OOPS)

Saylor.org
http://www.saylor.org/

RedHoop
http://redhoop.org/

Opener #5. Online Learning Object Repositories and Portals (shared content)

Online Encyclopedias (e.g., the Encyclopedia of Earth:
http://www.eoearth.org/)

History for Music Lovers, Washington Post
The French Revolution ("Bad Romance" by Lady Gaga)
Trojan Way ("Tainted Love" by Soft Cell)
Charlemagne ("Call Me" by Blondie)
http://www.youtube.com/watch?v=2mC6h3d9phk#t=3.19&list=ULC0jegdA

Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)
Flipgrid (video discussions)
http://flipgrid.com/info/

Opener #7. Electronic Collaboration and Interaction (synchronous & asynchronous)
Soliya Connect
http://gii.georgetown.edu/#soliya

February 26, 2013
Videoconferencing and Telepresence, Information Week
http://www.informationweek.com/education/leadership/educational-technology-across-the-ages/240149241

Google Hangouts
Class Sync Collaboration and Discussion (Spring, 2013)

April 15, 2013
Guest Speakers
Sara de Freitas and Jim Hensman (https://connect.iu.edu/p2Hot8xM6s/)
Jay Cross (https://connect.iu.edu/p6be3x6y7)

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
September 5, 2013
Video games may improve brain power in older adults

Opener #9. Real-Time Mobility and Portability (e.g., iPhone, iPads, smart watches (September 4, 2013))

Opener #10. Networks of Personalized Learning (Blogs, Podcasts, Facebook, and RSS)

May 22, 2013
Video Walls of Experts (IQ Wall)
Indiana University unveils high-tech classroom
The Herald-Times, Mike Leonard
http://www.indianaeconomicdigest.net/main.asp?SectionID=31&SubSectionID=135&ArticleID=69980