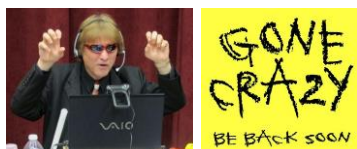


How Charles Wedemeyer opened our world and changed my life

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



Audience Poll #1:

Has learning technology has ever transformed your life?



August 5, 2014

Are Courses Outdated? MIT Considers Offering 'Modules' Instead

Chronicle of Higher Education, Jeffrey Young
Institute-wide Task Force on the Future of MIT Education: Final Report, July 28, 2014

http://web.mit.edu/future-report/TaskForceFinal_July28.pdf



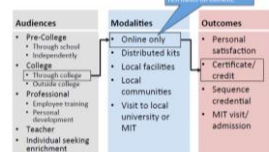
August 5, 2014

Are Courses Outdated? MIT Considers Offering 'Modules' Instead

Chronicle of Higher Education, Jeffrey Young
Institute-wide Task Force on the Future of MIT Education: Final Report, July 28, 2014

http://web.mit.edu/future-report/TaskForceFinal_July28.pdf

Figure 8d. Student takes a class in SPOC form while embedded in institution



Charles Wedemeyer Quote #1:

"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)



October 12, 2012

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

THE CONVERSATION



1728: 1st 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 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/>



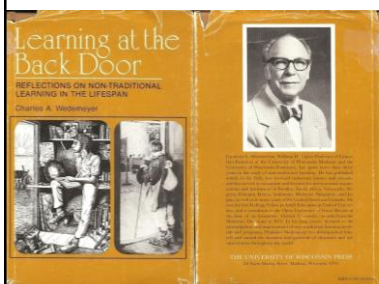
Looking to the Past...



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)



A Glance Back at Charles Wedemeyer – Interview with Michael Grahame Moore – Open Education – Distance Education

<http://museumofdistanceeducation.com/de/a-glance-back-at-charles-wedemeyer-interview-with-michael-grahame-moore-by-william-diehl/>

A Glance Back at Charles Wedemeyer – Interview with Michael Grahame Moore – Open Education – Distance Education

Home → Collections → A Glance Back at Charles Wedemeyer – Interview with Michael Grahame Moore – Open Education – Distance Education



The International Museum of Distance Education congratulates ICDE on its 75th Anniversary!

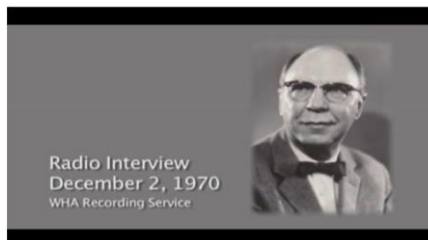


Recent Posts
→ 9th Annual Quality Matters Conference October 1, 2013

Interview by William C. Dietz copyright 2007. Production by William Dietz.

**A Glance Back at Charles Wedemeyer –
Interview with Michael Grahame Moore –
Open Education – Distance Education**

<http://museumofdistanceeducation.com/de/a-glance-back-at-charles-wedemeyer-interview-with-michael-grahame-moore-by-william-diehl/>



**Knowledge Navigator (1987)
Apple Computer**

<http://www.youtube.com/watch?v=hb4AaF6wEoc>



Fast Forward 25+ Years...

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

SKILLSHARE LEARN TEACH

Learn anything from
anyone, anywhere.



Join us! Start learning and discover unique classes in your city.

Audience Poll #2:

- 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."



**Part I. Learning is Changing
New Technologies =
New Delivery Methods...**



I. Learning is More Technology-Based

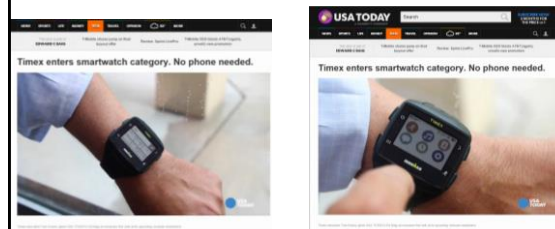


II. Learning is More Mobile

August 5, 2014

Timex enters smartwatch category. No phone needed, Edward C. Baig, USA Today,

<http://www.usatoday.com/story/tech/columnist/baig/2014/08/05/timex-enters-smartwatch-category-no-phone-needed/1309733/>



III. Learning is More Open

June 12, 2014

Open access publisher brings scholarship to developing world

David Matthews, Times Higher Education

<http://www.timeshighereducation.co.uk/news/open-access-publisher-brings-scholarship-to-developing-world/2013833.article>

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



Source: JISC
Screen readers: books can now be read on almost any mobile phone

Learning is More Open

(80-Year-Old WGU Texas Grad Keeps His Promise, November 30, 2012, Reeve Hamilton, Texas Tribune)

THE TEXAS TRIBUNE
An 80-Year-Old Graduate With an Online Marketing Degree Kept His Promise



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.

October 31, 2013

The launch of OERu: Towards free learning opportunities for all students worldwide, BC Campus (Canada)

<http://bccampus.ca/2013/10/31/the-launch-of-oeru-towards-free-learning-opportunities-for-all-students-worldwide/>

The launch of OERu: Towards free learning opportunities for all students worldwide

October 31, 2013

Imagine anyone in the world having access to a high-quality education. That's exactly what is now possible. The launch is and marks a transition from an international coalition of accessible OERu study.



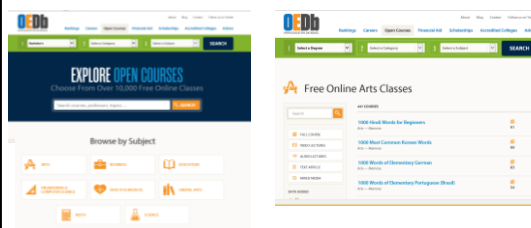
Online Course Portals

Saylor.org: <http://www.saylor.org/>
RedHoop: <http://redhoop.org/>



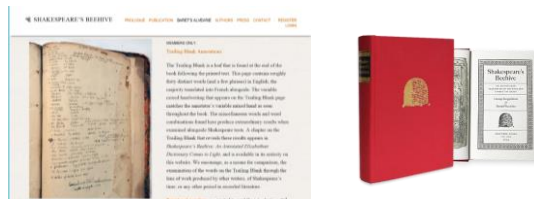
June 17, 2014 Open Education Database (built by volunteers)

<http://oedb.org/open/>



April 23, 2014 Shakespeare's Dictionary? Skepticism Abounds, Chronicle of Higher Education, Jennifer Howard

http://chcr.shakespearebible.com/basista_alvade



Speaking of OER... Introducing the (FREE) "TEC-VARIETY book...(May, 2014)



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. Interactivity: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Investment
9. Tension: Challenge, Dissonance, Controversy
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership



The World is open... (In Chulalongkorn Univ, Bangkok, Thailand, March 10, 2014)



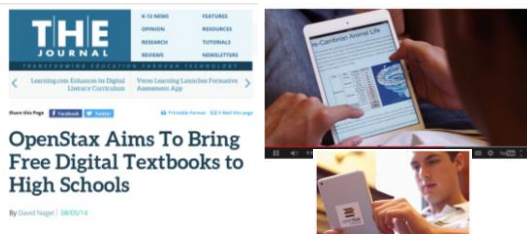
The World is very open! (in Ho Chi Minh City, Vietnam, Wednesday March 12th)



IV. Learning is More Personal 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>



V. 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/wiredcampus/can-you-really-teach-a-mooc-in-a-refugee-camp/54191?cid=at&utm_source=at&utm_medium=en



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)

August 5, 2013

MOOC at UPenn;

Recession Fuels Explosion of Online Learning

<http://on.aol.com/video/recession-fuels-explosion-of-online-learning-51785097>



March 26, 2014

By Stephen Noonoo, THE Journal

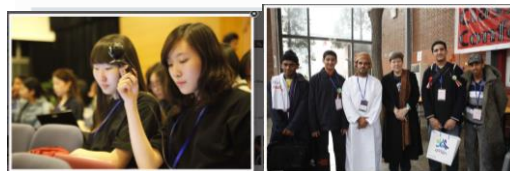
<http://thejournal.com/articles/2014/03/26/global-collaboration-projects-that-go-beyond-skype.aspx>

Collaboration & Social Networking | Feature

Global Collaboration Projects that Go Way Beyond Skype

Here's how one program is engaging Web 2.0 skills to bridge cultures and classrooms — one project at a time.

By Stephen Noonoo • 03/26/14



VI. Learning is More Flipped August 1, 2014

Get schools out of the 1890s, Newt Gingrich, CNN

http://www.cnn.com/2014/08/01/opinion/gingrich-schools-blended-teaching-technology/index.html?hpt=hp_13



VII. Learning is More Video-Based July 2014

FlipforLearning: <http://www.flipforlearning.com/>

uTutor.me: <http://www.ututor.me/>



VIII. 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/>



July 14, 2014

College, on Your Own: Competency-based education can help motivated students. But critics say it's no panacea

Dan Berrett, The Chronicle of Higher Education

<http://chronicle.com/article/College-On-Your-Own/147859?cid=at>

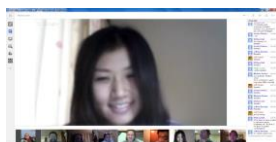


Nichele Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.

IX. Learning also is More Collaborative May 16, 2014



Global Ed-Tech Disruption From Poland: Crowdsourced Homework



X. 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>



XI. 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>



XII. Learning is More Ubiquitous

Flexible displays bend what's possible for computers, Jon Swartz, USA Today (May 4, 2012)



September 2013

Google Wi-Fi from the Sky,

Steven Levy, pp. 126-131, Wired
<http://www.wired.com/gadgetlab/2013/08/googlex-project-loon/>



Google X chief Astro Teller (left) and Project Loon's first leader, Rich DeVaul, holding the system's ground-based antennas.

March 30, 2014

All Things Drones, CNN

Facebook unveils technology to bring the internet to everyone. CNN's Ralitsa Vassileva reports.)
<http://www.cnn.com/2014/03/29/facebook-technology/index.html>



XIII. 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/google-look-watch-eyes-provide-sphere-eye-microsoft-earrings/137915/>
 (i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.fiercephilhealthcare.com/stories/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



IVX. 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-challenges-conventional-moocs/print/>

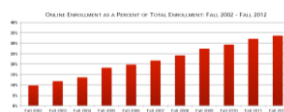


January 2014

XV. Learning is More Online

Grade Change: Tracking Online Education in the United States, 2013

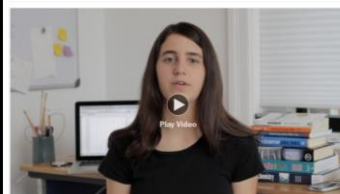
The Sloan Consortium, I. Elaine Allen & Jeff Seaman,
 2013 Survey of Online Learning Report and 2014 data from Indiana University
<http://sloanconsortium.org/publications/survey/grade-change-2013>
 Direct connect: <http://www.onlinelearningurvey.com/reports/gradechange.pdf>



Why I spent 10th grade online. Sophia Pink, Washington Post, August 23, 2013

http://www.washingtonpost.com/education/why-i-spent-10th-grade-online/2013/08/23/?hpid=hp_hp-top-table-main-online-education:15a2-8a63-3866a264671_story_main&hpid=hp_hp-top-table-main-online-education:15a2-8a63-3866a264671_story_main

Why I spent 10th grade online



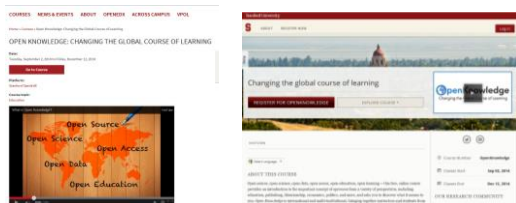
Video: Sophia Pink describes how she finished 10th grade online and why she's choosing to go back to the classroom.

By Sophia Pink, Published: August 22. E-mail the writer.



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#>



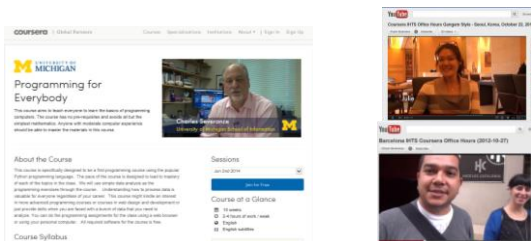
June 18, 2014 **Free, Open Online Course for K-12** **Educators, October 2014** **(Oregon State University and Stanford)**

http://campus.oregonstate.edu/open/english-language-learners/?utm_source=campusbulletin&utm_medium=email_campaign=open-ef

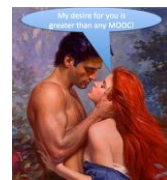


June 2, 2014 **Programming for Everybody** **Chuck Severance (U Michigan/Coursera) in** **Barcelona, Seoul, Manila, Melbourne, etc.**

<http://www.youtube.com/watch?v=JzNHvmSv8Tg>



Things are heating up!



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

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."

New Instructor Roles **(Concierge, Curator, Counselor, etc.)**



But there are problems...!



May 2013

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

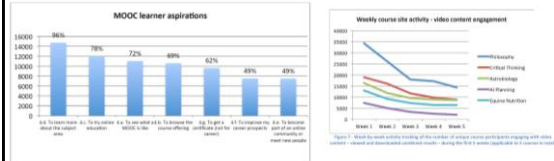


Figure 9: Combined exit survey responses to Q4 'What did you hope to get out of the course and did it meet your expectations?' - calculated as a sum of expected expectations, not expectations, and did below expectations responses - with percentage share of total exit survey responses

June 13, 2014

2. Lack of Engagement with Content

8 Things You Should Know About MOOCs

Chronicle of Higher Education, Jonah Newman and Soo Oh

<http://chronicle.com/article/MOOCs-EdX/146901/>

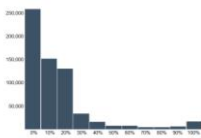
THE CHRONICLE OF HIGHER EDUCATION

5. Nearly half of registrants never engage with any of the content

Courses are broken into anywhere from 11 to 48 chapters, but few students look at them all. Only 3 percent of participants look at every chapter, and fewer than one in 10 view even half of the material.

In fact, of those who viewed any course material, half looked at 11 percent of the course chapters or less.

Number of students by percent of coursework viewed



April 17, 2014

3. Issues of Age, Gender, and Course Type

Infographic: Global MOOC statistics

eCampus News, Meris Stansbury

<http://www.ecampusnews.com/research/infographic-moocs-global-436/>

Infographic: <https://magic.piktochart.com/output/1747660-moocs>

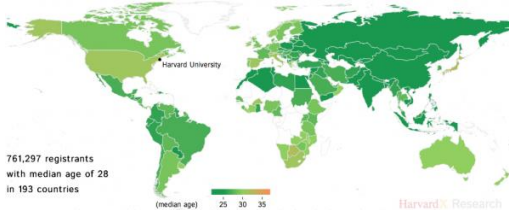


February 20, 2014

4. Issues of Impact and Elitism Harvard and MIT Release Visualization Tools for Trove of MOOC Data

Lawrence Biemiller, Chronicle of Higher Education

<http://chronicle.com/article/Harvard-and-MIT-release-visualization-tools-for-trove-of-mooc-data/146344/>



June 28, 2014

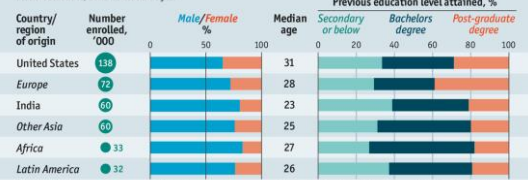
The Digital Degree, The Economist,

<http://www.economist.com/news/technology/2165859-still-higher-education-business-about-experience-will-time-say-the-digital-degree>

Scrolling for scrolls

Online MOOCs* provided by edX¹

Student statistics, 2012-13 academic year



Source: edX

*Massive open online course ¹Harvard University and Massachusetts Institute of Technology

January 27, 2014: Maybe it is not so open!

8. Complete Shutdown or Lock-out

Coursera Support Center, Why is my country blocked?

Online education platform Coursera blocks students in Syria and Iran, Wamba, Nina Curley (Syria restored but not Cuba, Iran, Sudan, and Syria)



July 10, 2014

9. People Scamming the System

Scholarly journal retracts 60 articles, smashes 'peer review ring', Fred Barbash, Washington Post

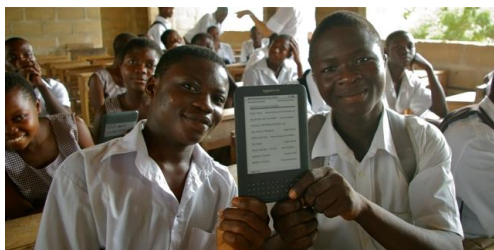
<http://www.washingtonpost.com/news/morning-mix/wp/2014/07/10/scholarly-journal-retracts-60-articles-smashes-peer-review-ring/>

Morning Mix

Scholarly journal retracts 60 articles, smashes 'peer review ring'



**On the other hand...
There is life change**



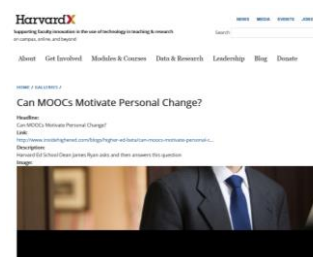
July 22, 2014

Can MOOCs Motivate Personal Change?

James E. Ryan, Dean, Harvard Ed School, Inside Higher Ed

<http://www.insidehighered.com/blog/higher-ed-beta/can-moocs-motivate-personal-change/ryan.5395111.aspx>

<http://harvardx.harvard.edu/node/232836>



Example #1. May 28, 2014 Alexander the MOOC Lands

Inside Higher Education, Guy M. Rogers

<http://www.insidehighered.com/blog/higher-ed-beta/alexander-mooc-lands#sthash.HUAXISX7.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.)



Example #2: 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://www.nytimes.com/2014/06/14/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 11, 2014 9:15 PM ET

Starbucks College Achievement Plan



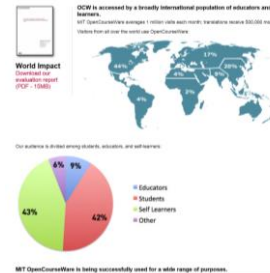
Example #3: June 16, 2014

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>



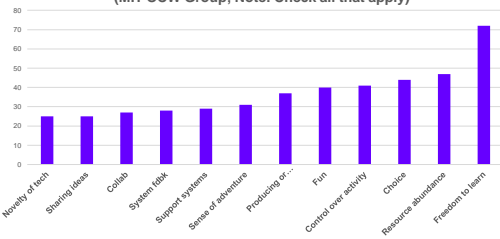
Research Study #1: MIT OpenCourseWare (OCW)

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



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)



MIT Data (example #1):

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 (example #2):

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 (example #3):

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.



Life Changing Example #4

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 #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.



Audience Poll #3:

Have you taught a MOOC? (Yes, No)
Have you ever taken a MOOC? (Yes, No)
Have you ever browsed a MOOC? (Yes, No)



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>



Charles Wedemeyer Quote #2:

"If America is on the threshold of becoming a Learning Society, non-traditional learning may be its most genuine ingredient."

(Charles Wedemeyer, 1981, p. 219)



Any Questions?

Slides at: TrainingShare.com

Papers: PublicationShare.com

Free E-book: <http://tec-variety.com/>

Dr. Curt Bonk – CJBonk@Indiana.edu

