I am Not Content: The Future of Education Must Come Today...!!!

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







Poll #1:

Are you interested in Education 1.0?



A = Yes B = No C = Not sure

The Problem with Learning Technology Karen Wilcox, November 7, 2014, Chronicle of Higher Education



October 21, 2014 Teaching and the University of Tomorrow. Chronicle of Higher Education, Kelly J. Baker



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

Instructor as Credit Manager



Poll #2:

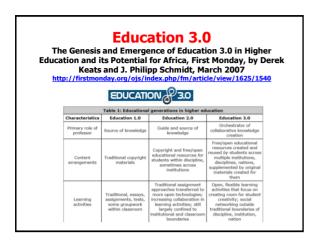
Are you interested in Education 2.0?

EDUCATION 3.0: GETTING TO KNOW THE BRAIN



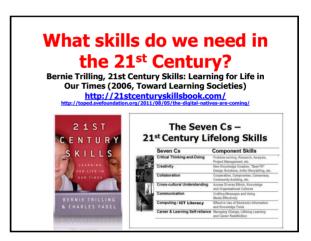
A = Yes B = No C = Not sure

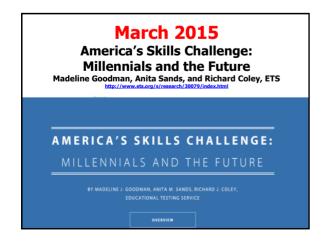






















Creating Innovators:

The Making of Young People Who Will Change the World

Tony Wagner (2012) http://creatinginnovators.com/



The Innovators:

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

Walter Isaacson (2014)



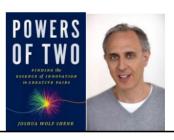




Powers of Two:

Powers of two: Finding the essence of innovation in creative pairs. Boston: Houghton Mifflin Harcourt.

Joshua Wolf Shenk (2014)



Poll #4: 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.ininews.org/report/200838/school-lessons-by-radio-in-sierra-leone-liberia
http://www.pc.eu.we.du/about/Leadershio/



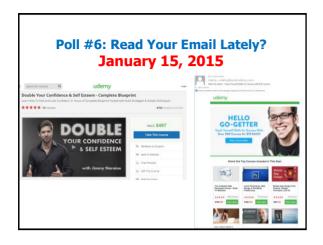


Poll #5: Turn on the TV Lately?

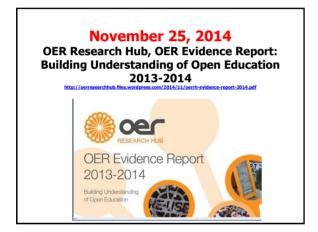
November 14, 2014 (2:25)

Why online ed disrupts the traditional model,
Fared Zakaria (PS, CNN, On 6PS, Stuart Butler & Anant Agarwal explain why students are drawn to
contine inhibit education tutlion debt & exciting new technologies

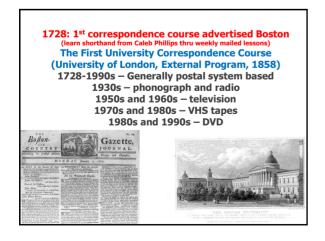
http://www.cnn.com/edec/stria/2/0/9/sep/bestoty/2014/13/15/sep-eps-end-cn-brief

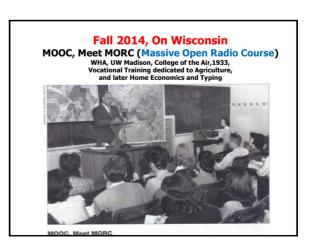


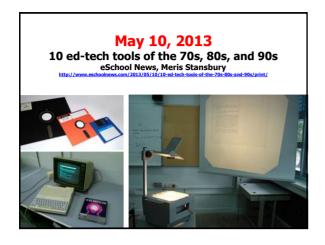


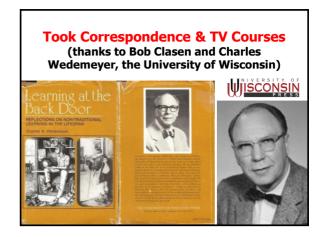








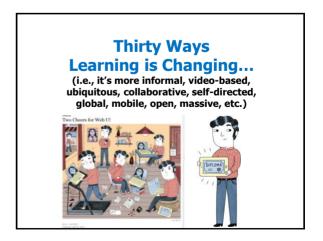










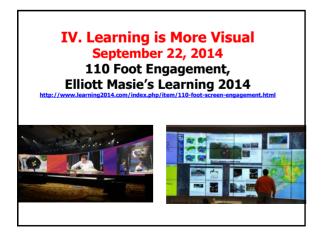




























Here Comes Professor Everybody: The 'sharing economy' meets higher education, Chronicle of Higher Education, Jeffrey R. Young



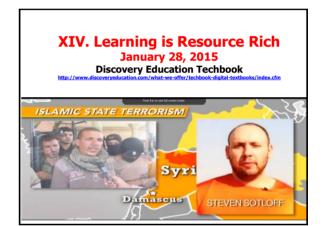
Kevin deLaplante, an associate professor at Iowa State U., makes an average of \$2,500 per month teaching from his home studio (above) on sites like Udemy.

XIII. Learning is More Digital October 23, 2014

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







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-fossillemur-graveyard-madagascar/index.html





XV. Learning is More Informal October 13, 2013

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



















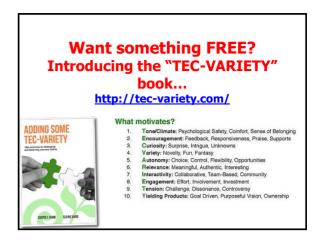






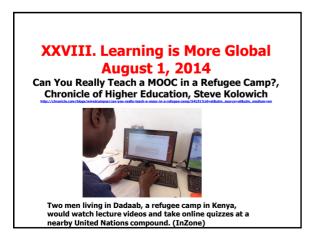
















I. Who remembers what they were doing on 911? II. Who remembers what they were doing on April 4, 2001?





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."





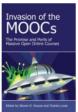


XXX. Learning is More Massive

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.parlorpress.com/invasion_of_the_moocs





Global Health Initiatives October 7, 2014

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

http://www.bbc.com/news/education-29521360





WHY WAIT FOR OTHERS TO FIGHT

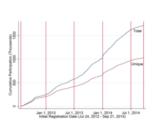
Disinfecting a room in Monrovia, Liberia: Online courses are providing health advice to fight Ebola.

March 30, 2015

HarvardX and MITx: Two Years of Open Online Courses Fall 2012-Summer 2014, Andrew Dean Ho et al., Social Science Research Network

http://papers.ssrn.com/sol3/papers.cfm?abstract_id=258684





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.

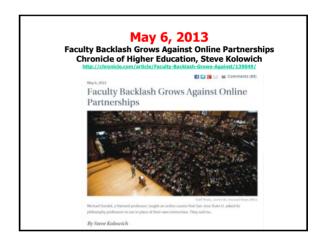


Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

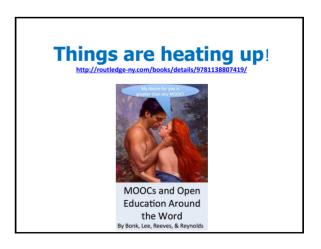




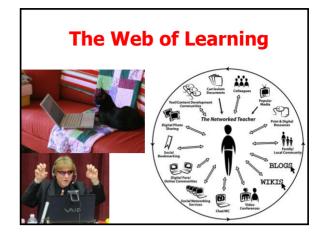












We are entering a jumping off point...





- 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)
- **E**lectronic 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!!!**

How do you now view the instructor in the Open World of Education 3.0?







Poll #10: Instructor as Curator?



