February 22, 2013
NASA's spacey Google+ Hangout shows off zero-G antics – and cats!
http://cosmiclog.nbcnews.com/_news/2013/02/22/17057588-nasas-spacey-google-hangout-shows-off-zero-g-antics-and-cats?lite

January 7, 2013
Digital Globes Offer a Dynamic Vision, New York Times, Mark Vanhoenacker

Audience Poll:
Has learning technology has ever transformed your life.

Change not possible as an accountant…
(Life as a CPA, 1981-1986)

Decided to Read, Read, Read…
(e.g., People like Albert Bandura, Howard Gardner, Roger Schank, Elliot Soloway, etc.)
Took Correspondence & TV Courses
(thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)

Fast Forward 25 Years...
“Anyone can now learn anything from anyone at any time.”

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-9737

February 13, 2013
Learning is More Collaborative
Learning is More Social

January 29, 2013:
Learning is More Flipped
Collaboration and Discussion in Google Hangouts

April 29, 2012: Learning is More Open
Open Education’s Wide World of Possibilities, Chronicle of Higher Education, Katherine Mangan

August 17, 2012: Learning is More Online
NFL gets serious about fan conduct (disruptive fans must take online courses), ESPN.com, Darren Rovell, http://espn.go.com/nfl/story/_/id/8278886/nfl-require-ejected-fans-take-online-fan-conduct-course

January 12, 2013: Learning is Less Open
Internet Activist, a Creator of RSS, Is Dead at 26, Apparently a Suicide, NY Times, John Schwartz
Learning is More Tech-Driven
New Technologies = New Delivery Methods…

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

Components of the wrist-worn display prototype developed at HP Labs are shown in this illustration. When completed, the device will incorporate a working flexible display powered by solar cells.

June 27, 2012:
Learning is More Pervasive (i.e., Streamed) Google Glass

January 10, 2013:
Learning is More Personal
iPotty Aims To Entertain Toddlers During Toilet Training, Mashable, Kate Freeman
http://mashable.com/2013/01/10/ipotty/

Learning is Changing the World
(Book Review: Ed Tech Mag, May-June 2013)

September/October, 2012
The Siege of Academy
Washington Monthly, Kevin Carey,
November, 2012
Degrees of Difficulty, Time
http://nation.time.com/2012/10/18/degrees-of-difficulty/

Student debt loads are increasing:
- Average debt in 2011: $14,500
- Projected average debt in 2018: $26,600

Having fewer degrees threatens our global competitiveness:
The default rate was 5.6% in 1992;
In 2000 it was 9.1%.

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

First MOOC
Athabasca U

MOOCs slowly take hold:
Stanford Intro to AI MOOC (16,000)

Big Name U,
ницar and enter,
best practices.

“remodeling,”
marketing

Figure 1: A Short Recent History -- and Prediction for the Future -- of the MOOC

October 11, 2012
MOOC and you’re out of a job: uni business models in danger, Mark Gregory, The Conversation

Academics and universities might need to be careful of what they wish for with free online education.

August 8, 2012
Holy Apostles To Offer Massive Open Online Courses, Cromwell, CT
http://campustechnology.com/articles/2012/08/08/holy-apostles-to-offer-massive-open-online-courses.aspx

Holy Apostles College and Seminary will begin to offer massive open online courses (MOOCs) ranging from theology practicum to literature, in the fall 2012 semester.
June 25, 2012
Massive Open Online Courses (MOOCS)
A Conversation With Bill Gates About the Future of Higher Education, Chronicle of HE, Jeffrey R. Young

On the Meaning of MOOCS
"The thought only two years ago that you could encapsulate an entire university course in an online package, and students could take it at their own pace, and the gulf between distance education and regular education could be narrowed..." - Bill Gates

January 23, 2012
Udacity- Sebastian Thrun
http://www.udacity.com/

November 13, 2012
College credit for online courses gains momentum. USA Today, Mary Beth Marklein,

April 18 and Sept 19, 2012:
Coursera Partners
https://www.coursera.org/

January 23, 2013
Academic Partnerships Launches MOOC2Degree Initiative
Free, Open Online Courses As A First Step Toward A Degree
http://www.mooc2degree.com/

January 8, 2013
eCornell Offers a MOOC That Steers Students to a Paid Follow-Up, Katherine Mangan, Chronicle of Higher Education
May 20, 2012  
Revenge of the Underpaid Professors  

July 26, 2012  
An Upstart Free Course Provider Holds a Cookout to Meet Its Students, Chronicle of Higher Education, Jeffrey R. Young  

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

October 27, 2012  
Introduction to Blackboard/ CourseSites MOOC, With Dr. Curt Bonk: “Instructional Ideas and Technology Tools for Online Success” (4,349 now enrolled, including 389 after the course ended; 158 badges)  
[http://www.youtube.com/watch?v=rBNe8CUePTQ&feature=youtu.be](http://www.youtube.com/watch?v=rBNe8CUePTQ&feature=youtu.be)

October 27, 2012  
Chuck Severance, University of Michigan/Coursera in Barcelona  
[http://www.youtube.com/watch?v=zHHvmsV8TI](http://www.youtube.com/watch?v=zHHvmsV8TI)
February 20, 2013
UW-Madison to expand distance learning with Massive Open Online Courses, Kari Knutson, University of Wisconsin-Madison News
http://www.news.wisc.edu/21520?utm_source=iUW&utm_medium=email&utm_campaign=iUW2013-02-21

February 20, 2013
To Fix Its Education System, India Should Look to MOOCs
William H. Avery, Chronicle of Higher Education

January 8, 2013
Changing Course: Ten Years of Tracking Online Education in the United States, Elaine Allen and Jeff Seaman, Sloan-C & Babson Survey Research Group

October 9, 2012
MOOCs and exercise bikes – more in common than you'd think, Robert Nelson and Phillip Dawson, The Conversation, Australia

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

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

February 27, 2013 (Inside HE)
Grade My Course (i.e., Yelp for Ed)
http://www.grademycourse.com/

February 27, 2013 (Inside HE)
CourseTalk
http://coursetalk.org/

February 27, 2013 (Inside HE)
TopFreeClasses
http://www.topfreeclasses.com/

September 21, 2012
As Online Courses Grow, Sites Offering Unauthorized Academic Help Get More Brazen, Chronicle of Higher Education, Alisha Azevedo
The World is Open…
It is open in Korea!

The World is Open…
It is open in the Philippines!

The Web of Learning

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)

I’m an Armchair Indiana Jones…

Audience Participation!
1. WE
2. ALL
3. LEARN!!!
What happens then?

WE
ALL
LEARN!!!
Opener #3. Availability of Open Source and Free Software

Moodle (February 27, 2013: 65 million users in 277 countries, 74,966 sites, 6.99 million courses)

Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from Harvard Edx, MITx, CORE, OOPS)

February 16, 2012

Online Badges and Certifications from OER
University of Illinois at Springfield, Ray Schroeder
https://sites.google.com/site/opencontinuinged/

Badges and other alternative certifications

November 18, 2012

The Rise of Celebrity Professors
MOOCs Gaining Popularity, Huffington Post (College), Justin Pope
http://www.huffingtonpost.com/2012/11/18/mooc-massive-open-online-courses_b_2181929.html
Opener #5. Online Learning Object Repositories and Portals (shared content)

Googling the Dead Sea Scrolls, CNN
http://www.deadseascrolls.org.il/explore-the-archive
http://www.deadseascrolls.org.il/home

February 18, 2002
Talking Dictionaries for Rare Languages
The Wall Street Journal
http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3Dvideo
Talking the Talk, for Posterity
Oral Online Dictionaries Help Preserve Languages, Cultures Muted by Modernity, The Wall Street Journal, February 18, 2002
http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3Dinteractive

Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)

Community Oral Histories (e.g., The History Harvest)
http://historyharvest.unl.edu/collections
Opener #7. Electronic Collaboration and Interaction
(synchronous & asynchronous; Leonardo Tosi, project manager in the ICT and education area of the INDIRE institute)

The Learning World is Open

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

Opener #9. Real-Time Mobility and Portability (e.g., SMILE: Stanford Mobile Inquiry-based Learning Environment, February 2012, Tanzania)

October 28, 2012
Online Teams (Per Paul Km, Stanford:
17,380 students, I haven’t met f2f. I am shocked to see students from places where Internet is very limited. You will find students from even Zanzibar!!! Many teams are formed and they meet f2f in the region where they live.)
http://venture-lab.org/education/

November & December 2012
Guest Speakers
Designing a New Learning Environment
Professor Paul Kim, Stanford University
http://venture-lab.org/education/lectures/45

March 20, 2012
Georgetown Learning Initiatives
Soliya Connect
http://gli.georgetown.edu/#soliya

Opener #9. Real-Time Mobility and Portability
(e.g., SMILE: Stanford Mobile Inquiry-based Learning Environment, February 2012, Tanzania)
August 10, 2012
Judy Brown, Keynote talk, “Learning in Hand With Mobile Technology,” Wisconsin Distance Teaching and Learning Conference

September 28, 2012
Cell phone culture: How cultural differences affect mobile use, CNN, Naomi Canton

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

Lessons on iPad
(e.g., ShowMe: http://www.showme.com/)

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

The Samsung DualView TL225
June 3, 2012
Tutor/Mentor Connection
(Daniel Bassill, Chicago)
http://www.tutormentorprogramlocator.net/InteractiveMap.aspx

May 8, 2012
"Project Re: Brief | Coca-Cola | Mobile Ad Demo"
http://www.youtube.com/watch?v=45Z-GevoYB8&feature=relmfu

Framework #2:
From Tinkering to Tottering to Totally Extreme Learning...

Tinkering Ideas
“I’m a thinker therefore I tinker!”

Tinker #1. Timelines with Oral Histories,
Slavery and the Making of America Time
and Place, PBS
https://www.pbs.org/wgbh/slavery/timeline/1857.html

Tinker #2. Educational Videos: TED-Ed
http://education.ted.com/
Tottering Ideas

We are entering a jumping off point...


Totally Extreme #2. MBAs from War Zones...!

You Want Totally Extreme? Learning in a Plane, Train, Boat, etc.

Timothy posts videos of himself speaking several languages on YouTube.
Totally Extreme #3. (Dec. 9, 2012)
Retired Earn Degrees

Totally Extreme #4. August 27, 2012
Online University For All Balances Big Goals, Expensive Realities, Claudio Sanchez, NPR

Audio: Students work at the University of the People student computer center in Haiti. Students from 129 countries are currently enrolled with the institution

Naylea Omayra Villanueva Sanchez says her location near the Amazon rain forest in Peru, combined with a disability, makes a traditional university education impossible.

Framework #3: TEC-VARIETY for Online Motivation and Retention
1. Tone/Climate: Psych Safety, Comfort, Belonging
2. Encouragement, Feedback: Responsive, Supports
3. Curiosity: Fun, Fantasy, Control...
4. Variety: Novelty, Intrigue, Unknowns
5. Autonomy: Choice: Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Interactive: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Excitement
9. Tension: Challenge, Dissonance, Controversy
10. Yields Products: Goal Driven, Products, Success, Ownership

3. Curiosity, Fun: A. Something in the News
(e.g., Fauja Singh, 101, finishes last race, February 24, 2013)

6. Relevance, Meaningfulness: A. Multimedia Glossaries

Heather Kelly, CNN Tech, February 19, 2013
The happiest and saddest states according to Twitter
http://www.cnn.com/2013/02/19/tech/social-media/twitter-happiness/index.html

http://r685glossary.shutterfly.com/

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

9. Tension, Challenge, etc.: A. Google Hangouts/Google On Air (Jay Cross, 10 MOOC experts; February 27, 2013)

R2D2 Framework

Read 1a. Interactive Stories (e.g., Meograph http://www.meograph.com/)

10. Yields Products, Goals: A. Student YouTube Products
Qi Li: r685 Gangnam Style, December 2012
Miguel Lara (Web 2.0 FREEDOM): http://www.youtube.com/watch?v=8cmCFWi9lW8

http://www.jaycross.com/wp/2013/02/businessmoocs-the-hangout-recording/

http://www.meograph.com/
Reflect 2a. Discuss Videos
(e.g., Grockit Answers and Vialogues; https://vialogues.com/)

Display 3a. Interactive Maps
(adults with college degrees by county, May 7, 2012)

Display 3a. More Interactive Maps
Where and Who the College Graduates Are,
Chronicle of HE, February 24, 2013

Do 4e. Student Expertise
(e.g., Learnist)
http://learni.st/category/featured/

How was the view?

Questions?
Website: www.Extreme-Learning.com
Slides at: TrainingShare.com
Book: http://worldisopen.com/
Dr. Curt Bonk - CJBonk@Indiana.edu