
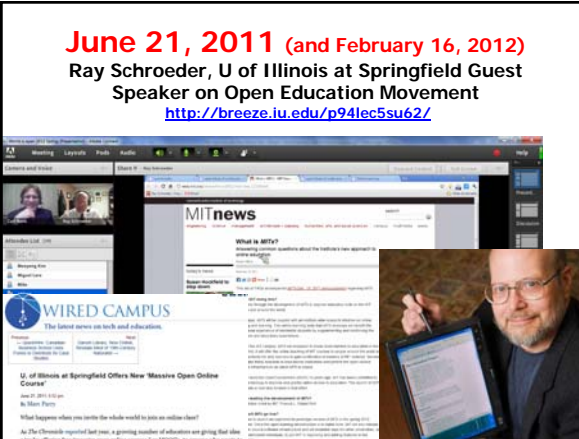


Reflections on My MOOC, Motivational Model, and the Movement Towards Extreme Learning

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



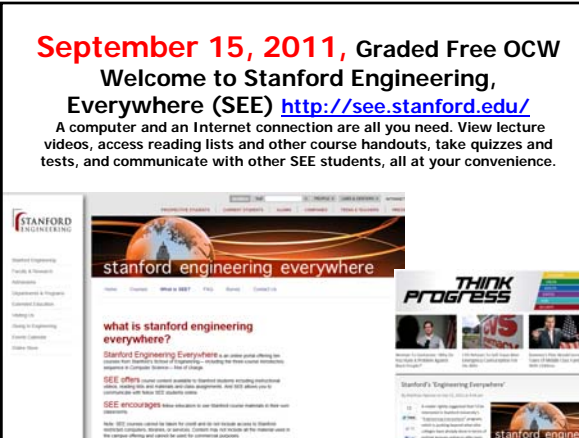

June 21, 2011 (and February 16, 2012)
Ray Schroeder, U of Illinois at Springfield Guest Speaker on Open Education Movement
<http://breeze.iu.edu/p94lec5su62/>



August 2, 2011
Massive Open Online Courses (MOOC) and Graded Free OCV,
 Stanford U. Offers Free Online Course in Artificial Intelligence, Jie Jenny Zou, Chronicle of Higher Education (over 135,000 sign up as of August 27)
<http://www.ai-class.com/>



September 15, 2011, Graded Free OCV
Welcome to Stanford Engineering, Everywhere (SEE) <http://see.stanford.edu/>
 A computer and an Internet connection are all you need. View lecture videos, access reading lists and other course handouts, take quizzes and tests, and communicate with other SEE students, all at your convenience.



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

The screenshot shows the Udacity homepage with a navigation bar and two course cards: 'CS 101: BUILDING A SEARCH ENGINE' and 'CS 373: PROGRAMMING A ROBOTIC CAR'. To the right, a video player shows a hand-drawn diagram of a neural network with nodes and connections.

February 16, 2012
Online Badges and Certifications from OER
 University of Illinois at Springfield, Ray Schroeder
<https://sites.google.com/site/opencontinuing/>

The screenshot displays the 'Open Badges' website, featuring a header with 'DIGITAL MEDIA & LEARNING COMPETITION Prizes' and a section titled 'Badges for Lifelong Learning'. It includes logos for Microsoft Certified, IBM Certified, and other digital skills certifications.

February 19, 2012
Flipped Classrooms? Chronicle of HE
http://chronicle.com/article/How-Flipping-the-Classroom/130857738d-pm&utm_source=pm&utm_medium=en

February 19, 2012
How 'Flipping' the Classroom Can Improve the Traditional Lecture

The image shows a classroom where students are standing and working in groups, illustrating the flipped classroom concept. The text below the image reads: 'Andrew Marten's teaching techniques get students out of their seats during his class on evolutionary biology at the U. of Colorado at Boulder. Some students enjoy the "flipped" lectures that require them to help one another understand the material. Others resent being forced to work in groups.'

February 21, 2012
Rethinking Learning with Salman Khan
 Stanford Graduate School of Business
<http://www.youtube.com/watch?v=Wvi6BhQa5w>
 Khan Academy Founder Finds Simplicity Appeals in Online Education Experimentation
<http://www.gsb.stanford.edu/news/headlines/sal-khan-academy.html>
Let's use video to reinvent education, TED, March 2011
http://www.ted.com/talks/salman_khan_let_s_use_video_to_reinvent_education.html

The screenshot shows a TED talk video player with the title 'Rethinking Learning with Salman Khan'. The video shows Salman Khan speaking on stage, gesturing with his hands. The TED logo and 'Ideas worth spreading' are visible in the top right corner.

March 2, 2012
Udemy (50,000 signed up; Udemy enables anyone to take and build courses online; <http://www.udemy.com/>)

The screenshot shows the Udemy website for the course 'Ancient Greek Religion' by Robert Garland. It features a video player, a course description, and a 'Take This Course Free' button. The course description includes: 'This course offers an introduction to all the main features of Greek religion. It introduces students to the principal gods and heroes, and details how to contact them and gain their goodwill. It explains how to avoid offending the gods, how the gods intervene in human life, how to control the gods about the future, how to avoid the services of the divine healer, to look after one's dead so that they will be able to enter Hades, what to expect in the afterlife, and much more besides.'

April 18, 2012
Coursera
Online-Education Start-Up Teams With Top-Ranked Universities to Offer Free Courses, <https://www.coursera.org/>

The screenshot shows the Coursera website with a course listing for 'Healthcare, Medicine, and Biology'. It features a video player, a course description, and a 'Sign Up Now' button. The course description includes: 'Learn. Coursera's free and Coursera are designed to help you to learn the material. You'll be able to learn at your own pace, and you'll get your own feedback and your knowledge will be reinforced through your own practice.'

April 25, 2012
MIT+K-12
Making Video to Make a Difference
<http://k12videos.mit.edu/>



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=rBNe8CUePTQ&feature=youtu.be>



April 29, 2012
Open Education's Wide World of Possibilities, Chronicle of Higher Education, Katherine Mangan
<http://chronicle.com/article/Open-Education's-Wide-World-of-Possibilities/131711>




April 29, 2012
'Supersizing' the College Classroom: How One Instructor Teaches 2,670 Students
Chronicle of Higher Education, Marc Parry
<http://chronicle.com/article/Slide-Show-Technology-for/131711/>



John Boyer teaches a megaclass in current events at Virginia Tech in person—and holds online office hours using Ustream.

May 2, 2012
MIT and Harvard announce edX
<http://www.edxonline.org/about.html>
EdX: The Future of Online Education is Now
<http://www.youtube.com/watch?v=SA6ELdIRKRU>



May 5, 2012
Shaq earns doctorate degree
<http://www.youtube.com/watch?v=Szi6uQnBdjo>



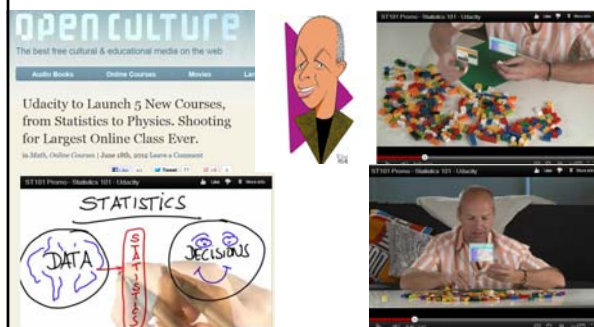
May 23, 2012, The V-PORTAL (Bonk, IU)
 "Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos)
<http://www.youtube.com/user/TravelinEdMan>



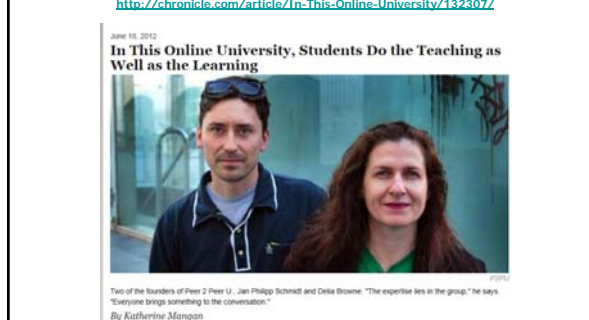
May 29, 2012
 Leonardo Tosi, project manager in the ICT and education area of the INDIRE institute (Adobe Connect)



June 18, 2012
 Udacity to Launch 5 New Courses, from Statistics to Physics. Shooting for Largest Online Class Ever, Open Culture
http://www.openculture.com/2012/06/udacity_to_launch_5_new_classes.html



June 18, 2012
 Peer 2 Peer U, In This Online University, Students Do the Teaching as Well as the Learning, Chronicle of Higher Ed, Katherine Mangan
<http://chronicle.com/article/In-This-Online-University/132307/>



June 19, 2012
 Piazza Makes Stanford's iTunes U App Development Course Social, Forbes, Tomio Geron and Stanford Social Network Class of 400,000



June 19, 2012
 UW System to offer new 'flexible degree' program, Matthew DeFour, Wisconsin State Journal



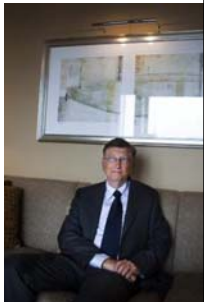
June 25, 2012

A Conversation With Bill Gates About the Future of Higher Education, Chronicle of HE, Jeffrey R. Young

http://chronicle.com/article/A-Conversation-With-Bill-Gates/1325917?cid=at&utm_source=at&utm_medium=en

On the Meaning of MOOC's

"I've thought I only have a high-school degree. I'm a professional student!"



Q. You have been interested in education for quite a while. I was looking back at your 1992 book, *The Road Ahead*, and you laid out a vision of education and how it could be transformed with technology. It seems like some of that vision is still only just emerging, so many years later. Did it take longer than you thought it would?

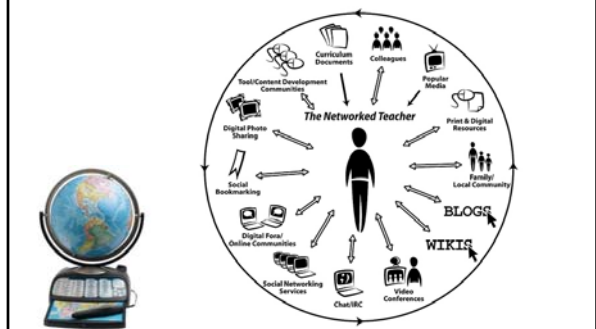
Poll #1: Is this a revolution in education today?

A. Yes...

B. No...



The Web of Learning



The World is Open... It is very open!



I am not Content!!!



We are entering a jumping off point...

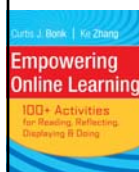


How can technology address diverse learner needs?



**Framework #1:
The R2D2 Method**

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)



1. Auditory or Verbal Learners

- Auditory and verbal learners prefer words, spoken or written explanations.

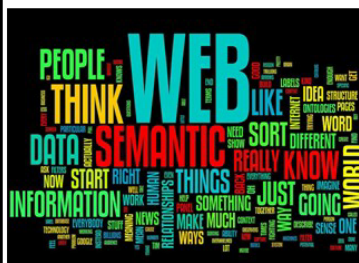


Read 1a. Learning Planet: Interactive Glossary
Umida Khikmatillaeva, Dec. 2011, P540
<http://learningplanet.shutterfly.com/>



Read 1b. Wordle

A Pedagogy of Abundance or a Pedagogy to Support Human Beings? Participant Support on Massive Open Online Courses, IRRODL, Kop, Fournier, & Sui Fai Mak, November 2011
<http://www.irrodl.org/index.php/irrodl/article/view/1041/2025>



Instructional Ideas and Technology Tools for Online Success



Dr. Curt Bink, Indiana University
Copyright by Blackboard
May 2012

Figure 4. PLENK2010 Wordle.

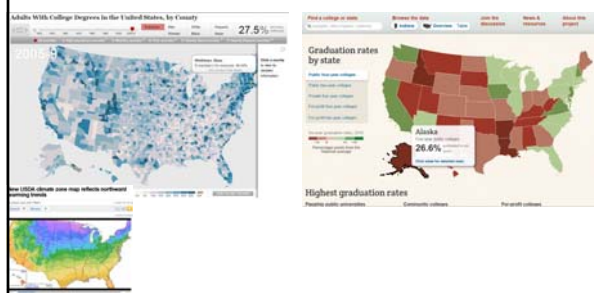
Reflect 2a. Discuss Videos
(e.g., Grockit Answers and Vialogues;
<https://vialogues.com/>)



Display 3a. Segment Video Anchors
(e.g., TubeChop; Wikibooks Hooray for Us)
<http://www.tubechop.com/watch/378752>



Display 3b. Interactive Maps
(adults with college degrees by county, May 7, 2012)
<http://todaycampus.com/article/Keith-Hampson-Interviews-Josh-Keller-on-Interactive-Graphics-for-Higher-Education>



Do 4a. Negotiate Meanings Online
(e.g.m MeetingWords: <http://meetingwords.com/>)

MeetingWords is a simple text editor for the web. Your text is saved on the web, and more than one person can edit the same document at the same time. Everybody's changes are instantly reflected on all screens. Work together on meeting notes, brainstorming sessions, homework, team programming and more!



Do 4b. Uploading Mobile Books
(e.g., BookRix, <http://www.bookrix.com/>)



Poll #2: What phase of the R2D2 Method will you use most?

- A. Read (Auditory and Verbal Learners)
- B. Reflect (Reflective Learners)
- C. Display (Visual Learners)
- D. Do (Tactile, Kinesthetic, Exploratory Learners)



We are not motivating students with the technologies that they love!



April 15, 2012

Can Colleges Manufacture Motivation?, Dab Berrett, Chronicle of Higher Ed

<http://chronicle.com/article/Can-Colleges-Manufacture/131564/>

April 15, 2012

Can Colleges Manufacture Motivation?



By Dan Berrett

Vancouver, British Columbia

Motivation is often thought of as an inborn personality trait, but research in the absence helps explain why some succeed while others fail.

Recent research, including that presented here at the annual meeting of the Educational Research Association.

Nancy L. Ford

Ok, Million Dollar Question:
How do you motivate online learners?
What Words come to mind?
(Please enter in chat window)



I even reflected on this for a moment...and then something magical happened...



Framework #2: 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



1. Tone/Climate: A. Video Course Intros

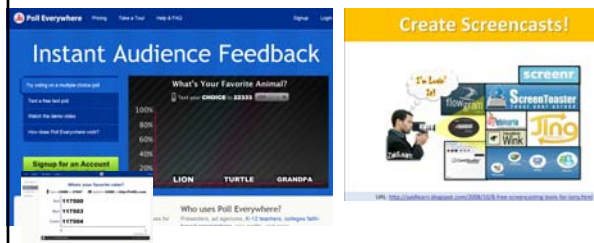
(examples from Northern Virginia Community College and Indiana University KD (online MBA) program)

Yun Yun Chow, Open U Malaysia, Making Art Lessons Come Alive with Web 2.0
<http://www.youtube.com/watch?v=BO9rqJD1GXo>

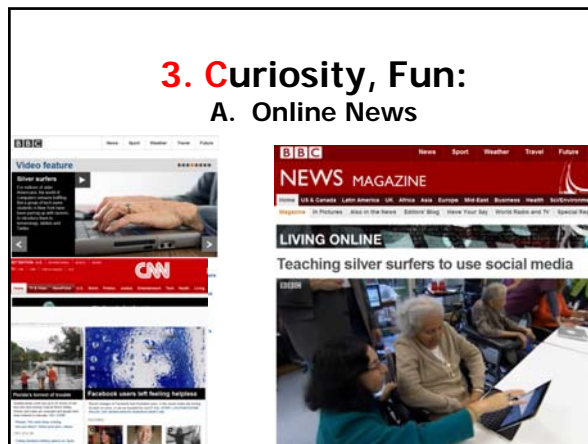


2. Encouragement, Feedback, etc.:
A. Create Screencasts Website Polling
 (e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)

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



3. Curiosity, Fun:
A. Online News

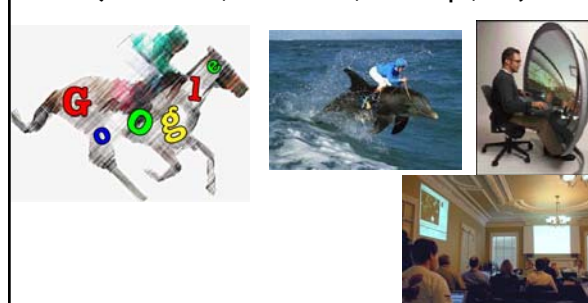


4. Variety, Novelty, Fun, Fantasy:
A. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)



5. Autonomy, Choice:
A. Online Resource Search
 (Class Google Jockeys)

(links to text, soundtracks, video clips, etc.)



5. Autonomy, Choice:
B. Web Exploration Assignments

1. Complete Works of Charles Darwin Online: <http://darwin-online.org.uk/>
2. The Complete Works of William Shakespeare: <http://shakespeare.mit.edu/>
3. Edgar Allan Poe Society of Baltimore: <http://www.eapoe.org/>
4. Einstein Archives Online: <http://www.alberteinstein.info/>
5. Federal Resources for Educational Excellent project: <http://free.ed.gov/>
6. Global Text Project: <http://globaltext.org/>
7. iBerry (Open Courseware Directory): <http://iberry.com/>
8. Jane Austen: <http://www.janeausten.org/>
9. The Jane Goodall Institute: <http://www.jane-goodall.org/>
10. Timeless Hemingway: <http://www.timelesshemingway.com/>



6. Relevance, Meaningfulness:
A. Online Cases (e.g., Mark Braun, IU)



7. Interactive, Collaborative:
A. Collaborative Video Annotations and Discussions (Craig Howard, IU)
<http://scholarworks.iu.edu/journals/index.php/ijdl/article/view/853/912>

7. Interactive, Collaborative:
B. Cross-Cultural Videoconference (e.g., Global Nomads Group, Int'l Studies for Indiana Schools (i.e., ISIS); Chinese, Niger, Sudan, Life in Eastern Europe, the History and Culture of Mexico)

8. Engagement, Effort:
A. Interactive Event Timeline
Arab spring: an interactive timeline of Middle East protests,
 The Guardian, Garry Blight & Sheila Pulham, July 12, 2011
<http://www.guardian.co.uk/world/interactive/2011/mar/22/middle-east-protest-interactive-timeline>

8. Engagement, Effort:
B. Visualizing Emancipation (June 12, 2012.
 Chronicle of HE, Angela Chen, Interactive Map Traces Slaves' Path to Emancipation)
<http://dsl.richmond.edu/emancipation/>

8. Engagement, Effort:
C. CNN (2011). Map: Impact of Japan tsunami and earthquake. *CNN*.
<http://www.cnn.com/SPECIALS/2011/japan.quake/map/>

9. Tension, Challenge:
A. Predict outcomes (June 26, 2012)
 (e.g., Interactive Political Maps: Huffington Post)
<http://elections.huffingtonpost.com/2012/romney-vs-obama/electoral-map/cartogram>

9. Tension, Challenge, etc.:
B. Game Show Final Project,
 April 25, 2011, Kim Seeber
 Website: <http://mypage.iu.edu/~kseeber/web2.0technology.swf>

10. Yields Products, Goals:
A. Student YouTube Products
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9RIW8>
 Shuya Xu and Yue Ma (Blog my online frng): <http://www.youtube.com/watch?v=Im7GOM9fzbc>
 Cesur Dagli (Animal perspectives on course): <http://www.youtube.com/watch?v=cDeTEId05lc>

Time for Commitments:
 Which principle(s) of TEC-VARIETY will you use?

- Tone/Climate
- Encouragement, Feedback
- Curiosity

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

Framework #3:
From Tinkering to Tottering to Totally Extreme Learning...

Tinkering

Tinker #1. Timeline Tools
 (e.g., USA Today, August 26, 2011)
<http://www.usatoday.com/story/2011/08/26/martin-luther-king-jr-3d-model/34464>

Martin Luther King Jr. Memorial in Washington: A closer look

Tinker #2.

Video Animations and Simulations

The image shows a screenshot of the 'fold.it' website, which is a platform for protein structure prediction. On the left, there is a 3D visualization of a protein structure. On the right, there is a section titled 'ID Human Anatomy' featuring 3D models of the human body, including a full-body model, a model of internal organs, and a skeleton.

Tinker #3.

Tracking the Life of a Scientist (e.g., Brian J. Ford, independent scientist)

<http://www.youtube.com/user/tellymonitor#p/a/u/1/LhGApKJasr>
 Origin of Humans: <http://www.youtube.com/user/tellymonitor#p/u/2/s/WWnVEdl8tU>
 Tellymonitor's Channel: <http://www.youtube.com/user/tellymonitor>
 BBC programs omit living cells: <http://www.youtube.com/watch?v=rdfRpTh6Cx6Y>
 Secret Weapons: <http://www.youtube.com/user/tellymonitor#p/u>
 Dinosaurs (Laboratory News, April 1, 2012): <http://www.labnews.co.uk/news/prehistoric-revolution/>

The image is a collage of images related to 'Laboratory News'. It includes a large image of a dinosaur skull, a smaller image of a prehistoric scene with a dinosaur, and a video frame showing a man (Brian J. Ford) speaking. The text 'Laboratory News' is prominently displayed at the top left.

Tinker #4. Online Portals

(e.g., Google Art Project) NBC Nightly News, April 3, 2012 <http://www.msnbc.msn.com/id/3032619/vp/46945508#46945508>

The image shows a screenshot of the NBC Nightly News website. The main content area features a video player showing a segment with Brian Williams. The video title is 'STATE of the World'. The video player shows a man in a suit speaking, with a background image of a globe.

Tinker #5.

Educational Video Anchors TED-Ed: <http://education.ted.com/>

The image shows a screenshot of the TED-Ed website. The main content area features a video player showing a TED-Ed lesson. The video title is 'mid•den'. The video player shows a man in a suit speaking, with a background image of a globe.

Tottering

The image shows a group of children playing on a seesaw at a playground. The children are sitting on the wooden planks, and one child is in the air, having just bounced up. The background shows other playground equipment and trees.

Totter #1.

Wikibooks, Wiki-Glossaries, Wiki-Syllabi (Ron Owston, York University, Toronto)

Web 2.0 and Emerging Learning Technologies
From Wikibooks, the open-content textbooks collection

The image is a collage of images related to Wikibooks. It includes a book cover for 'Web 2.0 and Emerging Learning Technologies', a photo of Ron Owston holding a book, and a Wikibooks logo. The text 'WIKIBOOKS' is prominently displayed at the bottom.

Totter #2. Global Class

Videoconferencing and Remote Lands

RoundSquare (<http://www.roundsquare.org/>) and Taking it Global (<http://www.tiqweb.org/>)

Totter #3. Flip the Class

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

Totter #4.

Student Films and Documentaries

<http://vimeo.com/33090590/> (Verily)
<http://vimeo.com/33123125/> (Anjali)
<http://www.youtube.com/watch?v=IQZHvuz3rbw&feature=youtu.be> (Yue)

Totter #5. Student Collaborative Knowledge Building and Sharing

(e.g., Popplet: <http://popplet.com/>)

Totally Extreme Learning

Learn Anytime, Always On/Mobile.

Robert Johnson, who championed the open-format Learn Anytime program at a two-year college in Louisville, Ky. checks students' e-mail while waiting for a flight. "Everything I need to do today, I can do on my phone," says Robert Johnson...He often grades papers and communicates with students from a cafe near his home.

Totally Extreme #1.

iPod Learning from MIT OCW

(e.g., Wendy Ermold, University of Washington)

Totally Extreme #2. The Last Ocean Project, Ice Stories, and Shark Theater (24 foot inflatable screen (and outdoor ocean theater) to tiny island communities) <http://www.lastocean.com/> and <http://lastocean-project.org/>; Cassandra Brooks

Totally Extreme #3a. Adventure Learning (e.g., GeoThentic, Earthducation, Polar Husky, GoNorth; Aaron Doering, Univ of Minnesota; cars and bikes--Dan Grec and Mark Beaumont)

Totally Extreme #3b. Impossible2Possible
<http://www.apple.com/pro/profiles/impossible2possible/index.html>

Totally Extreme #4. Telepresence, Virtual Presenters, and Teleportec Systems (e.g., Cisco and HP)

Totally Extreme #5. 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/user/historyteachers?blend=6&ob=5&fp=1/2/KJULC0jsqA>

Totally Extreme #6. Online Language Learning and Conversations (e.g., PalTalk, iTalki, Palabea, Babbel)

Totally Extreme #7. Robots Teaching English Sejong City, South Korea

The robot assists English teacher & teaches students English, too. The first "Smart School" was a big issue in Korea lately.

Totally Extreme #8. June 3, 2012 Tutor/Mentor Connection (Chicago)

<http://www.tutormentorprogramlocator.net/InteractiveMap.aspx>

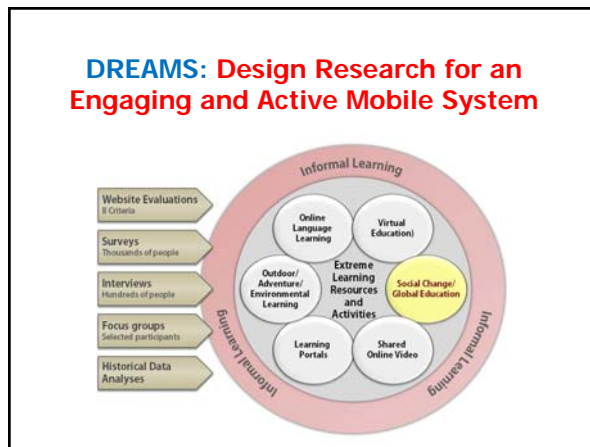
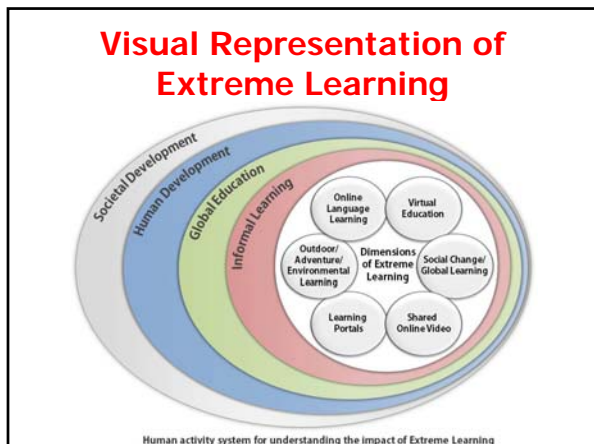
Totally Extreme #9. May 8, 2012 "Project Re: Brief | Coca-Cola | Mobile Ad Demo"

<http://www.youtube.com/watch?v=45Z-GevoYB8&feature=relmfu>

Totally Extreme #10. February 2012 Pocket School and SMILE: Stanford Mobile Inquiry-based Learning Environment

Extreme Learning Stories Mobile Storytelling and Pocket Schools (e.g., Paul Kim, Stanford & Seeds for Empowerment)

Extreme Learning Website www.extreme-learning.com



Any Questions? Try the R2D2 Model! Try TEC-VARIETY too...

Slides at: TrainingShare.com
 Papers: PublicationShare.com
 Book: <http://worldisopen.com/>
 Email: curt@worldisopen.com