

Adding Motivation to Online and Blended Courses and Activities with the TEC-VARIETY Model

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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

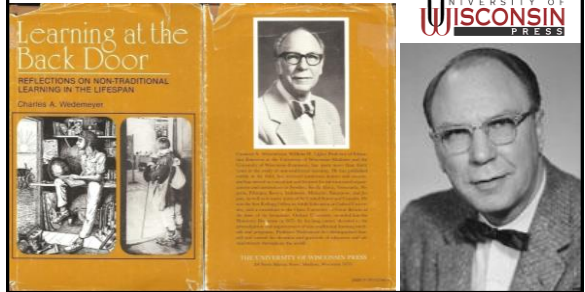


Charles Wedemeyer Quote #1:

“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)



Took Correspondence & TV Courses
 (thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)



Fall 2014, On Wisconsin
MOOC, Meet MORC (Massive Open Radio Course)
 WHA, UW Madison, College of the Air, 1933,
 Vocational Training dedicated to Agriculture,
 and later Home Economics and Typing



MOOC, Meet MORC

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/>



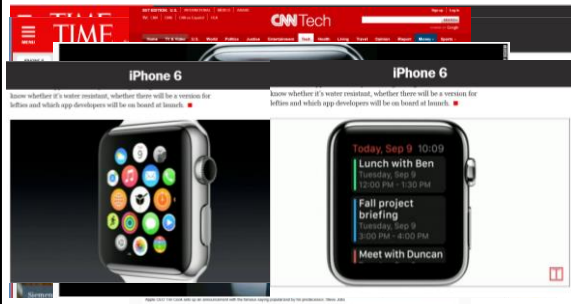
Part I. Learning is Changing New Technologies = New Delivery Methods...



I. Learning is More Technology-Based

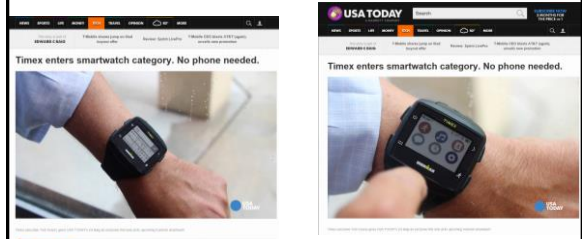


September 9, 2014 I. Learning is More Technology-Based



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/1352731/>



Audience Poll #1:

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



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



©2014: 20114
Screen samurai: books can now be read on almost any mobile phone

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>



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_l3



VII. Learning is More Video-Based July 2014

FlipforLearning: <http://www.flipforlearning.com/> uTutor.me: <http://www.ututor.me/>



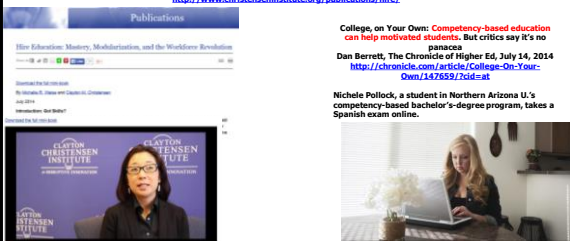
September 22, 2014 110 Foot Engagement, Elliott Masie's Learning 2014

<http://www.learning2014.com/index.php/Item/110-foot-screen-engagement.html>

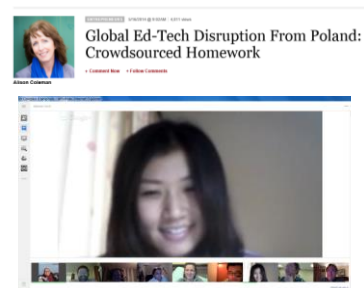


VIII. Learning is More Competency-Based July 31, 2014

Hire Education: Mastery, Modularization, and the Workforce Revolution, Michelle R. Weise and Clayton M. Christensen, The Christensen Institute
<http://www.christenseninstitute.org/publications/hire/>



IX. Learning also is More Collaborative May 16, 2014



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 16, 2014

Panipat Teen Develops Device to Convert Breath Into Words, NDTV

<http://www.ndtv.com/article/offbeat/panipat-teen-develops-device-to-convert-breath-into-words-591199?lite=classic>

Place the sensor under the nose or mouth as per your convenience. Make short exhales (sniffs) to send Dots as in the Morse Code. Make little longer exhales to send Dashes as in the Morse Code.



Wait for a beep from Earclip after completion of word.



Repeat the same steps for other words, phrases and sentences.



Let TALK do its magic and speak out your expression.



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-glasses-could-have-strong-potential-healthcare-usa/2013-03-18>
 (i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)



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/story/news/new-platform-challenges-conventional-moocs/print>



XV. 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>

THE JOURNAL

Learning Goes Electronic in Digital Literacy Classrooms

OpenStax Aims To Bring Free Digital Textbooks to High Schools

By David Nagel | 08/05/14



XVI. 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/541917cid=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)

XVII. Learning is More Online January 2014 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.onlinelearninginquiry.com/reports/gradechange.pdf>



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_t2



XVIII. Learning is More Self-Directed February 2013, TED Talks

(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra

http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html

TED Ideas worth spreading

Talks

Sugata Mitra: Build a School in the Cloud

TED Ideas worth spreading

Talks

Sugata Mitra: Build a School in the Cloud

XIX. Learning is More Adventurous Aaron Doering, Chasing Seals, TEDx <http://chasingseals.com/>



From the Arctic to Africa, Aaron Doering is about the story of how he follows technology, education, and adventure can change. His new album "Education Through the World" is available now.

XX. 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.parforpress.com/invasion_of_the_moocs
Free (PDF): http://www.parforpress.com/pdf/invasion_of_the_moocs.pdf



Things are heating up!

<http://routledge-ny.com/books/details/9781138807419/>



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

MOOCs and Open Education Around the World

<http://routledge-ny.com/books/details/9781138807419/>

MOOCs and Open Education Around the World
 Edited by Curtis J. Bonk, Mimi M. Lee, Thomas H. Reeves, & Thomas H. Reynolds
 ISBN: 978-1-138-80741-9
 Hardcover: \$120.00
 ISBN: 978-1-138-80742-6
 March 2015
 360 pp. / 6.5 x 9.5 in.

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.



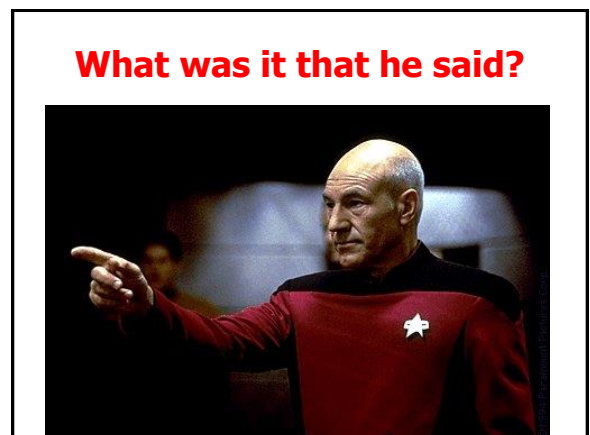
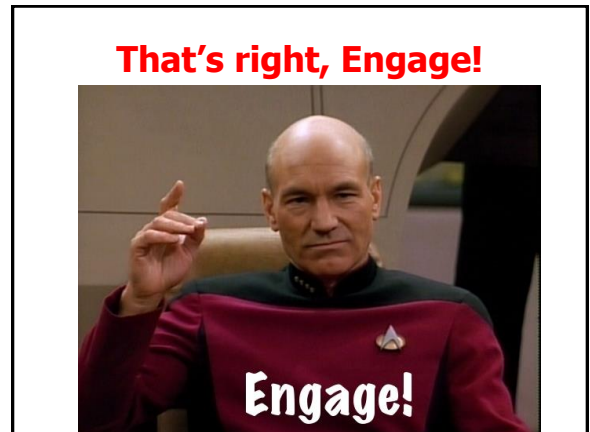
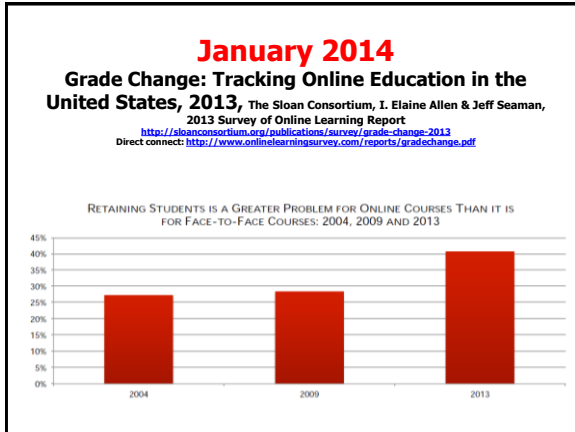
Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

Audience Poll #2:
Are we going crazy yet?
Any questions?



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





Audience Poll #3: What does engagement look like?

NASA's spacey Google+ Hangout

<http://cosmicblog.ck12.org/news/2013/07/27/1297288-nasas-space-google-hangout/>



Motivation Research Highlights (Jere Brophy, Michigan State University)

1. **Supportive**, appropriate **challenge**, **meaningful**, moderation/optimal.
2. Teach **goal setting** and self-reinforcement.
3. Offer **rewards** for good/improved performance.
4. **Novelty**, **variety**, **choice**, adaptable to interests.
5. Game-like, **fun**, fantasy, curiosity, suspense, active.
6. Higher levels, divergence, dissonance, **peer interaction**.
7. Allow to create finished **products**.
8. Provide immediate **feedback**, advance organizers.
9. Show intensity, **enthusiasm**, interest, minimize anxiety.
10. Make content **personal**, concrete, familiar.

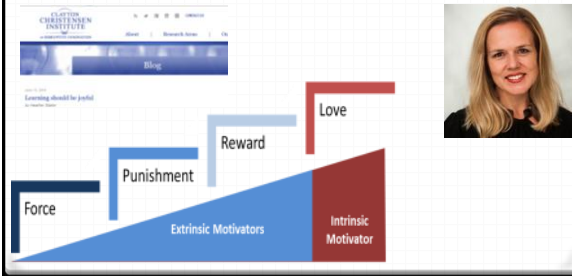


June 13, 2014

Learning should be joyful,

Heather Stacker, Blog Post, Clayton Christensen Institute

<http://www.christenseninstitute.org/learning-should-be-joyful/>



Intrinsic Motivation

"...innate propensity to engage one's interests and exercise one's capabilities, and, in doing so, to seek out and master optimal challenges

(i.e., it emerges from needs, inner strivings, and personal curiosity for growth)

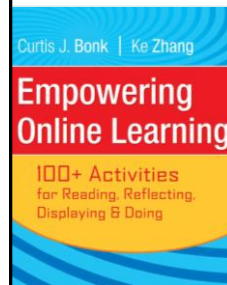
See: Deci, E. L., & Ryan, R. M. (1985). *Intrinsic motivation and self-determination in human behavior*. NY: Plenum Press.



Audience Poll #4: How can technology address diverse learner needs? (and how can we engage the borg?)



Framework: The R2D2 Model

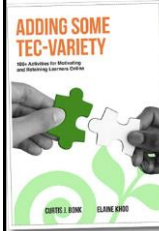


Framework: TEC-VARIETY for Online Motivation and Retention (May 2014)

1. **Tone/Climate:** Psych Safety, Comfort, 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. **Interactive:** Collaborative, Team-Based, Community
8. **Engagement:** Effort, Involvement, Investment
9. **Tension:** Challenge, Dissonance, Controversy
10. **Yields Products:** Goal Driven, Purposeful Vision, Ownership

Introducing the "TEC-VARIETY book..."

<http://tec-variety.com/>



What motivates?

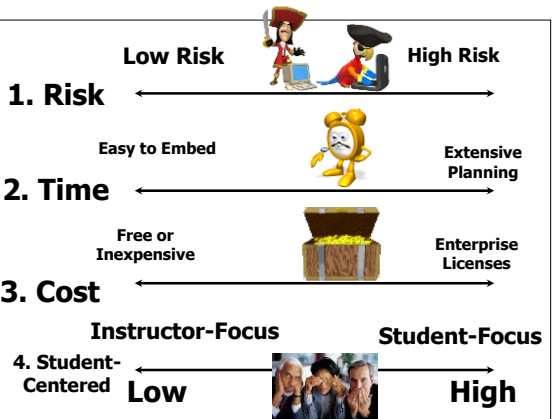
1. **Tone/Climate:** Psychological Safety, Comfort, Sense of Belonging
2. **Encouragement:** Feedback, Responsiveness, Praise, Supports
3. **Curiosity:** Surprise, Intrigue, Unknowns
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5. **Autonomy:** Choice, Control, Flexibility, Opportunities
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8. **Engagement:** Effort, Involvement, Investment
9. **Tension:** Challenge, Dissonance, Controversy
10. **Yielding Products:** Goal Driven, Purposeful Vision, Ownership

Every Chapter is Free in TEC-VARIETY...

<http://tec-variety.com/freestuff.php>

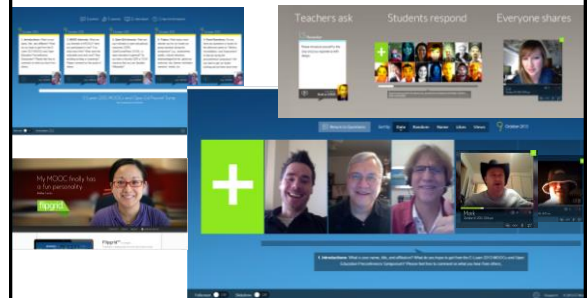


Examples of TEC-VARIETY

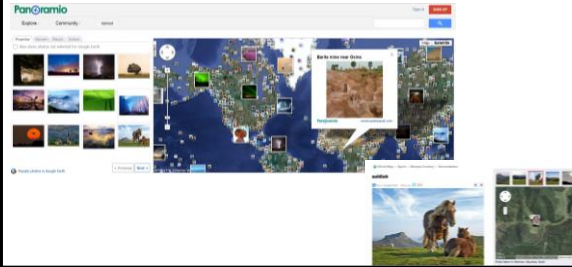


1. Tone/Climate: A. Video Introductions, e.g., Flipgrid

<http://flipgrid.com/#429f88c5>



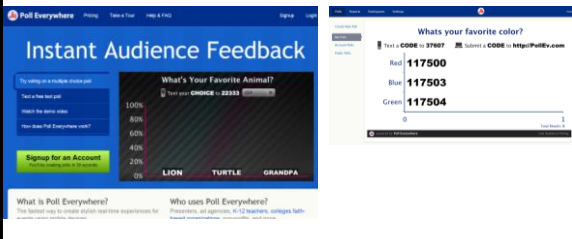
1. Tone/Climate:
B. Share Visuals of Favorite Places
 (e.g., Panoramio,
<http://www.panoramio.com/>)



2. Encouragement, Feedback, etc.: **A. Voice Feedback**
 Vocaroo; <http://vocaroo.com/>
<http://vocaroo.com/i/s0QRtmhJ27MK> (UIS)



2. Encouragement, Feedback, etc.: **B. Blog and Website Polling**
 (e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)
<http://www.pollerywhere.com/>



May 29, 2014
2. Encouragement, Feedback, etc.: **C. Demonstrations and Tutorials,**
 Emerging technology specialist, IU UITS, Nitocris Perez
<http://inside.iub.edu/features/videos/2014-05-29-inub-vid-clb.shtml>



3. Curiosity, Fun:
A. Something in the News
 New 'massive' dinosaur skeleton discovered, USA Today,
 September 5, 2014 (Dreadnoughtus)
<http://www.usatoday.com/story/tech/2014/09/04/dinosaur-skeleton-discovered/15031803/>



3. Curiosity, Fun:
B. Something in the News
 (e.g., Fauja Singh, 101, finishes last race, February 24, 2013)
http://espn.go.com/sports/endurance/story/_/id/8979487/fauja-singh-101-caps-cancer-10k-hong-kong



3. Curiosity, Fun: C. Online Quiz Games Jeopardy Labs

<https://jeopardylabs.com/play/ganttpardy>



3. Curiosity, Fun: D. Tracking the Life of a Scientist (e.g., Brian J. Ford, independent scientist)

<http://www.youtube.com/user/tellymonitor#p/a/u/1/LhGeApsKjasr>
<http://www.labnews.co.uk/news/prehistoric-revolution/>

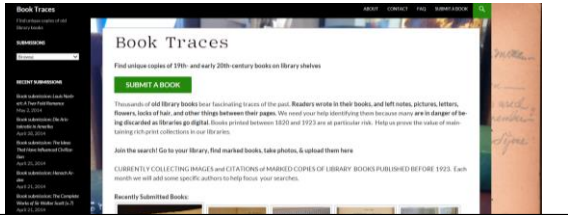
LaboratoryNews



3. Curiosity, Fun: E. Historical Document Analyses e.g., Book Traces

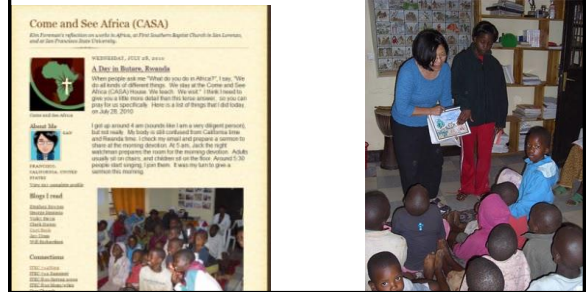
Find unique copies of 19th- and early 20th-century books on library shelves

<http://www.booktraces.org/>



3. Curiosity, Fun: F. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State Univ, Come and See Africa Blog;

<http://comeandseeafrica.blogspot.com/>)



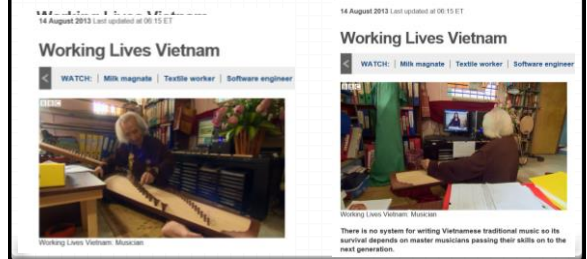
4. Variety, Novelty, Fun: A. External Guests (e.g., Jay Cross, Internet Time Group)



4. Variety, Novelty, Fun: B. External Guests

Working Lives Vietnam, August 14, 2013, BBC News Asia
Even though he is now very elderly Vinh Bao (age 96) still teaches music, using his computer to coach pupils across the globe.

<http://www.bbc.com/news/world-asia-23497559>



5. Autonomy, Choice: C. Design Multimedia Glossaries

Ozgur Ozdemir, December 2012
<http://r685glossary.shutterfly.com/>
 Umida Khikmatillaeva, Dec. 2011, P540
<http://learningplanet.shutterfly.com/>



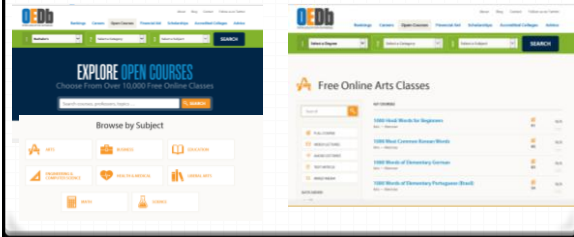
5. Autonomy, Choice: D. Enroll in a MOOC and Reflect

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 17, 2014 5. Autonomy, Choice: E. Open Education Database Class Central

<https://www.class-central.com/>
<http://oedb.org/open/>



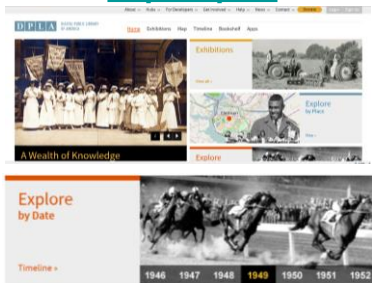
5. Autonomy, Choice: F. Class Central

<https://www.class-central.com/>
<http://oedb.org/open/>



5. Autonomy, Choice: G. Visual Library Search Digital Public Library of America

<http://dp.la/>



5. Autonomy, Choice: H. Attend Webinar (pick weeks and reflect)

Cathy Davidson, The End of Higher Education
<http://connectedcourses.net/thecourse/why-we-need-a-why/>



5. Autonomy, Choice:

I. Online Learning Object Repositories and Portals (shared content)

April 23, 2014

Shakespeare's Dictionary? Skepticism Abounds, Chronicle of Higher Education, Jennifer Howard
<http://shakespeare.sbsbshhs.com/blogs-306416>

Audience Poll #3:

Whu had light bulb going off in your heads so far...? If so, were?

6. Relevance, Meaningfulness:

A. Case-Based Learning: Instructor Cases (e.g., Mark Braun, IU)

Stomach, endoscopic examination and biopsy: Poorly differentiated tubular adenocarcinoma

I'd like to take the quiz now.

Final conclusion: Advanced gastric carcinoma with multiple lung metastasis with lymphatic growth

6. Relevance, Meaningfulness:

B. Collect and Listen to Interactive Stories

(e.g., Meograph: <http://www.meograph.com/>)

Timelines with Oral Histories, Slavery and the Making of America Time and Place, PBS

7. Interactive, Collaborative:

A. Collaboration and Discussion in Google Hangouts, Jabber, Skype, etc (January 29 and February 25, 2013)

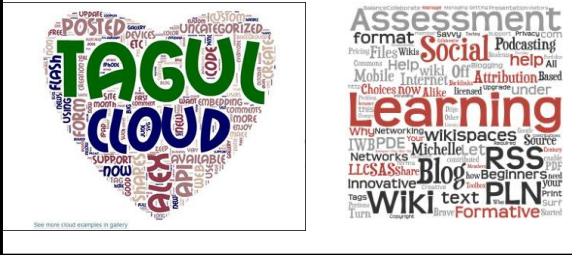
7. Interactive, Collaborative:

B. Negotiate Meanings Online (e.g., PiratePad: <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!

**7. Interactive, Collaborative:
C. Virtualize Words Used
(e.g., Wordle, Taggedo, Tagul,
WordSift, Word It Out)**

<http://shellyterrell.com/2010/02/14/12-word-cloud-resources-tips-tools/>



**8. Engagement, Effort:
A. Student Generated Timelines,
(e.g., Dipity, Simile, Xtimeline, Timeglider, Meograph)
(e.g., Raymond Chandler, The Big Sleep, Kate Hurd)**

<http://hurdisuranceagency.com/thebigsleep/>

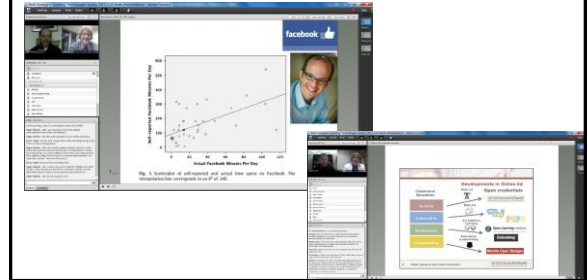


**8. Engagement, Effort:
B. Virtual Timelines from News Media
(How Facebook changed our lives, Marco della Cava, USA Today,
February 3, 2014)**

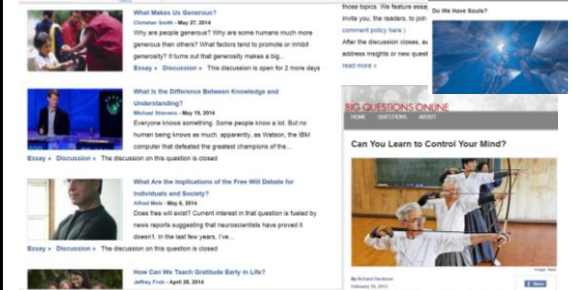
<http://www.usatoday.com/story/tech/2014/02/02/facebook-turns-10-cultural-impact/5063979/>
<http://www.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1>
<http://www.usatoday.com/news/entertainment/story/2013-08-25/1960s-Luther-Bishop-2-Historical-in-Washington-6-covers-book-2013/870137-3#story=3>
<http://www.usatoday.com/story/life/movies/2013/04/10/harrison-ford-jackie-robinson/2001783/>



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



**8. Engagement, Effort:
D. Big Issue Reflections
(Big Questions Online (BQO)), May 27, 2014
(e.g., What makes us generous? What is the difference
between knowledge and understanding?)**

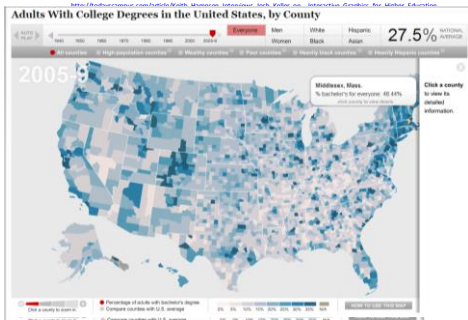


**8. Engagement, Effort:
E. Interpreting Infographics
Millennials Will Soon Rule The World: But How Will They Lead,
Forbes, September 12, 2014, Josh Bersin**

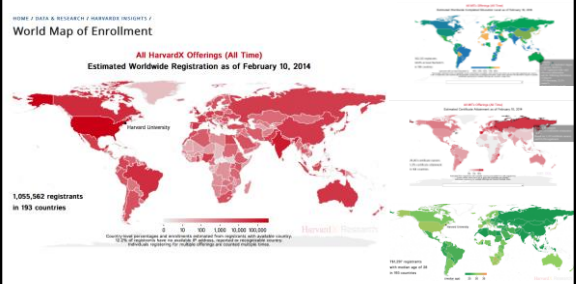
<http://www.forbes.com/sites/joshbersin/2013/09/12/millennials-will-soon-rule-the-world-but-how-will-they-lead/>



8. Engagement, Effort:
F. Interactive Map Timelines
 (adults with college degrees by county, May 7, 2012)

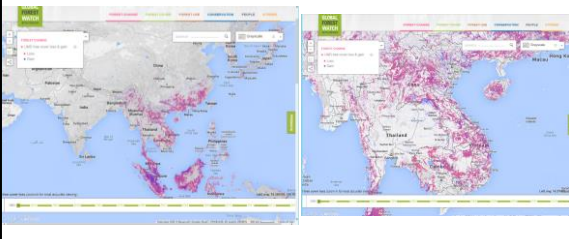


8. Engagement, Effort:
G. Data Visualization Tools (Harvard and MIT MOOCs) Lawrence Biemiller, February 20, 2014, Chronicle of Higher Education



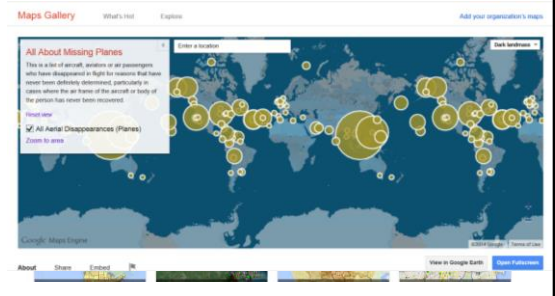
8. Engagement, Effort:
H. Map Trend Interpretations
 e.g., Global Forest Watch (April 2014)

<http://www.globalforestwatch.org/map/3/-3.72/27.90/ALL/grayscale/loss/596>



8. Engagement, Effort:
I. Google Map Gallery
 September 16, 2014

<http://maps.google.com/gallery/>



8. Engagement, Effort:
J. Medical Simulations and Practice Cases

The School of Medicine, University of Virginia
http://uvamagazine.org/articles/adjusting_the_prescription/



The newly expanded Medical Simulation Center lets medical trainees practice skills and case scenarios in clinical settings that mimic actual situations. Outside the operating room, a technology specialist manipulates vital signs on a patient simulator and controls the cameras recording the session.

8. Engagement, Effort:
K. Interactive Multimedia E-Books

'Dubliners' Comes to Life in Boston College's Annotated E-Book, Avi Wolfman-Arent, The Chronicle of Higher Education, June 10, 2014
<http://chronicle.com/blogs/multimedia/dubliners-comes-to-life-in-boston-colleges-annotated-e-book/3322302>
 Digital Dubliners: <http://digitaldubliners.com/>
<http://joyceways.com/>

Using Apple's iBooks Author software, they infused the text with critical analysis, multimedia annotations, and video commentary from Joyce scholars. The result now lives on iTunes, where anyone, anywhere, can use it free. The e-book, according to its creators, contains about 300 images, more than 700 notes and explanations, and two dozen videos.



9. Tension, Challenge, etc.:
A. Online Math Competitions
 (i.e., Math March Madness, Greg Toppo, March 26, 2013, USA Today)
<http://www.stargazette.com/article/20130326/NEWS02/20130326006/Fibonacci-Final-Four-Math-March-Madness-coming>

Fibonacci Final Four? Math March Madness coming

9. Tension, Challenge, etc.:
B. Vocabulary Competitions (e.g., Kids learning new words at warp speed, January 14, 2014, Greg Toppo (Georgia Scurletis, Dir of Curriculum Development, for Vocabulary.com (Thinkmap) presents a banner to Marc Williams, Brooklyn Technical High School)
<http://www.vocabulary.com/news/news/2014/01/13/vocabulary-schools-online-competition-education-students-teachers-465587/>
 Vocabulary.com: <https://www.vocabulary.com/>

July 10, 2014
9. Tension, Challenge, etc.:
C. Controversial Issue Debates
 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/>

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

9. Tension, Challenge, etc.:
D. Cage Matches or Debates
 (with online audience topical suggestions)
 Cage Match on MOOCs at SXSWedu 2013 (Curt Bonk & Chuck Severance)
<http://cheetick.com/2013/07/26/cage-match-on-moocs-at-sxswedu-2013-education-education-42777/>
<https://soundcloud.com/sxswedu/cage-match-the-massive-open>

10. Yields Products, Goals:
A. Course Video Summaries and Multimedia Team Assignments (April. 24, 2014)
 Piercarlo Abata: <http://www.youtube.com/watch?v=-TURzH00aU>
 Qi Li, Gangnam: <http://www.youtube.com/watch?v=7Q429lqxZaU&feature=youtu.be>
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9lW8>

This video was made by Robert M. Demski, a professor of psychology at Adams State, who took Mr. Leddon's course on filmmaking and went on to make a series of videos to use in his own courses.

10. Yields Products, Goals:
B. Student Class Documentaries
 Umida's R546 Documentary Project
http://www.youtube.com/watch?v=EMLTzqCV_5A

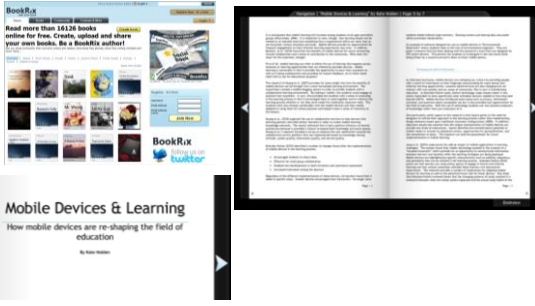
10. Yields Products, Goals:
C. Business Plans and Virtual Mentoring toward Goals,
 September 22, 2014, Chronicle of HE
<http://chronicle.com/article/Start-Up-Slow-Down/148923?cid=at>



10. Yields Products, Goals:
D. Goal Setting Tools
 (e.g., I Done This, Milestone Planner, and 43 Things)



10. Yields Products, Goals:
E. Uploading Mobile Books
 (e.g., BookRix, <http://www.bookrix.com/>)



10. Yields Products, Goals:
F. Student Mobile App Creation
 The App Builder: <http://www.theappbuilder.com/>
 Mintian Guo (April 2013): <http://myapp.is/r685final>



Commitments:
Stop and Share:
 Which principle(s) of TEC-VARIETY will you use?

Tone/Climate
Encouragement, Feedback
Curiosity

Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products



Poll #4: Which do you prefer... R2D2 or TEC-VARIETY?



- What motivates?**
1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging
 2. Encouragement, Feedback, Responses, Praise, Support
 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



February 20, 2013
Star Trek-like holodeck may be closer to reality than you think
 Matt Hartley, Financial Post, Canada
http://business.financialpost.com/2013/02/20/star-trek-like-holodeck-may-be-closer-to-reality-than-you-think/?_la=0546-d58d

Star Trek-like holodeck may be closer to reality than you think

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)

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>

Time to Stop and Think:
 Explore Websites from this Session!
Find the lieu...
Take a break...

Any Questions?
Try TEC-VARIETY...
 Slides at: TrainingShare.com
 Papers: PublicationShare.com
 Book: <http://tec-variety.com/>
 Dr. Curt Bonk – CJBonk@Indiana.edu