

## Engage, Number One: This is the Next Generation

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Professor, Indiana University  
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[cjbok@indiana.edu](mailto:cjbok@indiana.edu)



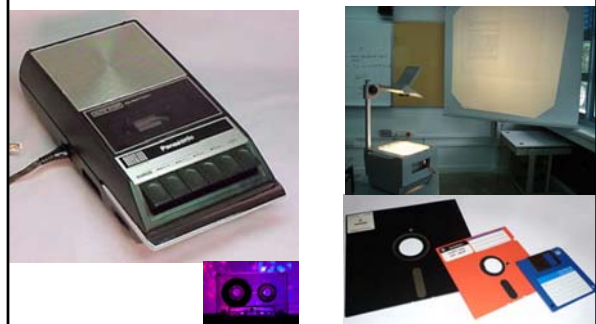
## The Next Generation is Here!



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...



 **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

**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/?\\_isa=0544-4584](http://business.financialpost.com/2013/02/20/star-trek-like-holodeck-may-be-closer-to-reality-than-you-think/?_isa=0544-4584)

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

**Knowledge Navigator (1987)**  
**Apple Computer**  
<http://www.youtube.com/watch?v=hb4AzF6wEoc>

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

Learning Delivery

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

Mashable  
 iPotty Aims To Entertain Toddlers During Toilet Training

**II. Learning is More Video-Based**  
**Adora Svitak, WFP Youth Representative - 2013 ECOSOC Youth Forum, March 27, 2013**  
<http://webtv.un.org/postings.aspx?country=can&social=tw&video=meetings/watch/adora-svitak-wfp-youth-representative-2013-ecosoc-youth-forum>

**III. Learning is More Mobile**  
**Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012**

	Beijing 2008	London 2012
Smartphones	139.3 million	657 million
Facebook	90 million	901 million
Twitter	<1 million	300 million
Tweets / day	1.1 million	140 million
Tablets	0	54.8 million
App store downloads	300+ million	25+ billion

Sources: Nielsen, eMarketer, Forrester, Apple

### IV. 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

### V. Learning is More Massive

April 16, 2013 (NovoEd)  
New MOOC Provider Says It Fosters Peer Interaction  
Chronicle of Higher Education, Jake New  
<http://www.chronicle.com>

April 16, 2013  
"Super-sizing" the College Classroom: How One Instructor Teaches 2,670 Students

Stanford ONLINE  
Designing a New Learning Environment

NovoED  
Learn. Collaborate. Innovate.

### April 29, 2013

Major Players in the MOOC Universe,  
Chronicle of Higher Education, Jake New  
<http://chronicle.com/article/Major-Players-in-the-MOOC/138817/>

### May 10, 2013

'The MOOC Moment': New Compilation  
of Articles, Inside Higher Ed

INSIDE HIGHER ED  
A selection of inside higher ed articles and essays on massive open online courses  
May 2013

### VI. Learning is More Flipped

One Man, One Computer, 10 Million Students:  
How Khan Academy Is Reinventing Education,  
Forbes, November 19, 2013, Michael Noer  
<http://www.forbes.com/sites/michaelnoer/2013/11/19/one-man-one-computer-10-million-students-how-khan-academy-is-reinventing-education/>  
The One World Schoolhouse (Twelve, Oct. 2, 2012)

TED Ideas worth spreading  
Salman Khan: Let's use video to reinvent education

### VII. Learning is More Empowering

iPad gives voice to kids with autism  
Supraja Seshadri, CNN, May 14, 2012

iPad gives voice to kids with autism

Sharia Siddiqui uses an iPad to help her communicate. Her father says it's "given her a sense of control she never had."



**VIII. Learning is More Social**  
 Facebook reaches one billion users, CNN Money,  
 Aaron Smith, October 4, 2012

**IX. Learning is More Collaborative**  
 Collaboration and Discussion in Google Hangouts or with iPad, Jan. 28, 2013  
 (Carrie Gong from Beijing Normal University)



**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](http://www.universitybusiness.com/article/inside-look-learning-spaces)  
 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)

**XIII. Learning is More Instantaneous**  
**April 9, 2013**  
 Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today  
<http://www.usatoday.com/story/tech/2013/04/06/google-apple-health-glass-jawbone-iphone-nike-microsoft-samsung/1978419/>

**Google Glass**  
<http://www.google.com/glass/start/what-it-does/>

**March 13, 2013**  
**Will Google Glass find a home in healthcare?**  
 HER Intelligence, Jennifer Bresnick  
 (i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)  
<http://www.futuremobilehealthcare.com/story/google-glasses-will-have-a-strong-potential-healthcare-use/2013-03-13>

**XIV. Learning is More Global**  
 (Book Review by Dr. Mimi Miyoung Lee: Ed Tech Magazine, May-June 2013)  
 (e.g., TakingItGlobal (TIG), RoundSquare, etc.)  
 RoundSquare (<http://www.roundsquare.org/>) and  
 Taking it Global (<http://www.tigweb.org/>)

**Learning is Changing the World**  
 (Book Review: Ed Tech Mag, May-June 2013)  
 Walter Bender, Charles Kane, Jody Cornish, and Neal Donahue (2012). *Learning to Change the World: The Social Impact of One Laptop Per Child*. NY: Palgrave Macmillan.

**XV. Learning is More Web-Based**  
**April 15, 2013**  
**Google boss: Entire world will be online by 2020, Doug Gross, CNN**  
[http://www.cnn.com/2013/04/15/tech/web/eric-schmidt-internet/index.html?hpt=hp\\_13](http://www.cnn.com/2013/04/15/tech/web/eric-schmidt-internet/index.html?hpt=hp_13)

Google boss: Entire world will be online by 2020  
 By Doug Gross, CNN  
 Updated 1:20 PM EST, Wed April 10, 2013 | Print | Share | Web



**April 20, 2013**  
**Two Cheers for Web U!**  
 A. J. Jacobs, New York Times  
[http://www.nytimes.com/2013/04/21/opinion/sunday/grating-the-mooc-where-its-at?pagewanted=all&\\_r=3&emc=eta1&\\_r=3&emc=eta1&\\_r=3&emc=eta1](http://www.nytimes.com/2013/04/21/opinion/sunday/grating-the-mooc-where-its-at?pagewanted=all&_r=3&emc=eta1&_r=3&emc=eta1&_r=3&emc=eta1)

Illustration: **Two Cheers for Web U!**  
 Shows a cartoon scene with people using laptops and a man holding a diploma labeled 'DIPLOMA'.



**S. Korea. Medical University - BYOD**  
 Moving from lecture-centered to student interaction centered model  
 Developed local evaluation rubrics

**May 6, 2013**  
**Faculty Backlash Grows Against Online Partnerships**  
 Chronicle of Higher Education, Steve Kolowich  
<http://chronicle.com/article/Faculty-Backlash-Grows-Against/139049/>

May 6, 2013  
 Faculty Backlash Grows Against Online Partnerships



By Steve Kolowich

**May 10, 2013**  
**Debate Over MOOCs Reaches Harvard**  
 Chronicle of Higher Education, Dan Berrett  
[http://chronicle.com/article/Debate-Over-MOOCs-Reaches/1391797?cid=cf&utm\\_source=chronicle\\_medium&utm\\_medium=article&utm\\_campaign=story\\_promo](http://chronicle.com/article/Debate-Over-MOOCs-Reaches/1391797?cid=cf&utm_source=chronicle_medium&utm_medium=article&utm_campaign=story_promo)

May 10, 2013  
 Debate Over MOOCs Reaches Harvard

By Dan Berrett  
 Cambridge, Mass.

Ambivalence about MOOCs, which has increasingly been voiced on campuses across the country, is also being heard among faculty members at Harvard University.

May 9, 2013  
**As MOOC Debate Simmers at San Jose State, American U. Calls a Halt**

By Steve Kolowich

EdX Rejected  
 April 19, 2013 - 3:00am  
 By Steven

**What did Jean-Luc Picard say?**



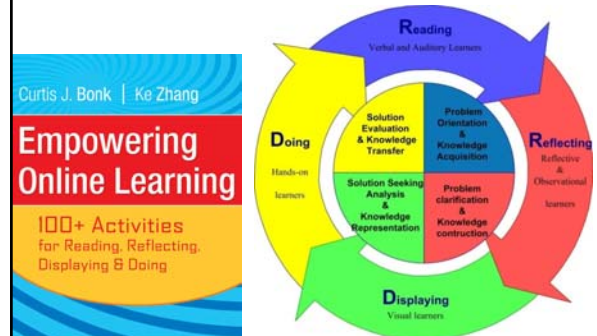
**That's right, Engage!**



## How can technology address diverse learner needs?



## Framework #1: The R2D2 Model



## 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. Twitter Fed Class Discussions



## Read 1b. Grammer Checkers (e.g., Grammarly)

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



**Read 1c. Interactive Stories**  
 (e.g., Meograph  
<http://www.meograph.com/>)

**Read 1d. Online Crossword Puzzles**  
 (e.g., <http://www.eclipsecrossword.com/>)

**Create Online Crossword Puzzles!**

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

**Read 1e. Talking Dictionaries for Rare Languages**  
 The Wall Street Journal, February 18, 2002  
<http://online.wsj.com/article/SB1100142405297020488040457228982976760026.html#articleTabs%3Dvideo>

**2. Reflective and Observational Learners**

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives

**Reflect 2a.**  
 Reflect on Big Ideas  
 (on IQ Wall, April 22, 2013)  
 Final project, Mark Millard  
 Big Ideas in Distance and Flexible Learning (HD)  
<http://www.youtube.com/watch?v=RAHRGKYLKIA&feature=youtu.be>

**Reflect 2b. Workplace Internship, Practicum, and Field Reflections**



**Reflect 2c.**  
**Big Questions Online (BOO),**  
 January 8, 2013, (e.g., Do We Have Souls?)  
<https://www.bigquestionsonline.com/content/do-we-have-souls>

The screenshot shows the Big Questions Online website interface. The main article is titled "Do We Have Souls?" and features a large, artistic image of hands reaching upwards against a blue background. The page includes a navigation menu, a list of featured authors, and social media sharing options.

**Reflect 2d.**  
**Reflect on Virtual Timelines**  
 (Dipity, xtimeline, Simile, etc.)  
<http://www.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1>  
<http://www.usatoday.com/news/destinations/story/2011-08-25/Martin-Luther-King-Jr.-Memorial-in-Washington-A-clear-book/20118470/1?pic=3#story=3>

The screenshot displays a virtual timeline interface. It features a central horizontal axis with various historical events and figures represented by small images and text boxes. Notable events include "Steve Jobs, Apple co-founder, dies" and "Martin Luther King Jr. Memorial in Washington, A clear book". The interface is clean and modern, with a white background and blue accents.

**3. Visual Learners**

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

The collage consists of several visual elements: a colorful circular diagram with horizontal lines in various colors; a book cover for "Holodeck Simulator" featuring a character in a Star Trek uniform; and a scene from Star Trek showing a character in a uniform standing in a futuristic setting. There is also a small icon of a speaker, suggesting audio content.

**Display 3a. Time Revealed Interactive Maps**  
**Mapping the Dead: Gun Deaths Since Sandy Hook,**  
 Huffington Post, March 22, 2013  
<http://data.huffpost.com/2013/03/gun-deaths>

The screenshot shows an interactive map titled "Mapping the Dead: Gun Deaths Since Sandy Hook" from Huffington Post. The map displays the United States with numerous red dots indicating gun deaths. A bar chart at the bottom shows the number of deaths by state. The interface includes search and filter options.

**Display 3b. Interactive Map Timelines**  
 (adults with college degrees by county, May 7, 2012)  
<http://data.gss.gov/article/140th-session-interview-look-killer-on-interactive-graphic-for-higher-education>

The screenshot displays an interactive map titled "Adults With College Degrees in the United States, by County". The map shows the percentage of adults with bachelor's degrees by county in 2005. A legend indicates that darker shades of blue represent higher percentages. The map includes a search bar and a "Click a county to see the detailed information" feature.

**Display 3c. Interactive Species Maps**  
 USGS (US Geological Survey)  
 (Biodiversity Serving Our Nation or BISON)  
<http://bison.usgs.gov/>

The screenshot shows the Biodiversity Information Serving Our Nation (BISON) website from the USGS. It features several interactive maps showing the distribution of various species across the United States. The website includes a search bar, navigation menus, and detailed information about the BISON project.

### Display 3d. Virtualize Words Used (e.g., Wordle, Taggedo, Tagul, WordSift, Word It Out)

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

Figure 4. PLENK2010 Wordle.

### Display 3e. OER Rare Documents (e.g., Dead Sea Scrolls)

<http://www.deadseascrolls.org/11/exhibitions-the-archives>  
<http://www.deadseascrolls.org/11/exhibitions-the-archives>  
<http://www.deadseascrolls.org/11/exhibitions-the-archives>

### Display 3f. Visual Library Search (DPLA (Digital Public Library Of America))

<http://dp.la/>

### Display 3g. Video Art Tutorials (ArtMaker.com)

<http://artmaker.com>

### 4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.

### Do 4a. Course Recap Prezi Presentations

Jeff Pankin, MIT, Prezi, Emerging Learning Technologies  
<http://prezi.com/1r2awagw7/2r685-final-project/>  
 Jeffrey Bannette, Today's World  
<http://prezi.com/-jlyzotbst-r/2r685-final-project/>

**Do 4b. Mobile Audio Tours**  
**Locacious Final Class Project**  
 (Michele Kelmer, April 22, 2013)  
<http://www.locacious.net/>

**Do 4c. Class or Community Oral Histories**  
 (e.g., The History Harvest, December 21, 2012)  
<http://historyharvest.unl.edu/collections>

**Do 4d. Student Expertise**  
 (e.g., Learnist)  
<http://learni.st/category/featured#/category/featured>

**Do 4f. Student Class Documentaries**  
**Umida's R546 Documentary Project**  
[http://www.youtube.com/watch?v=EMLTzqCV\\_5A](http://www.youtube.com/watch?v=EMLTzqCV_5A)

**Do 4g. Student Mobile App Creation**  
 The App Builder: <http://www.theappbuilder.com/>  
 Mintian Guo (April 2013): <http://myapp.is/r685final>

**Poll #1: What phase of the R2D2 Method did you get the most ideas from ?**

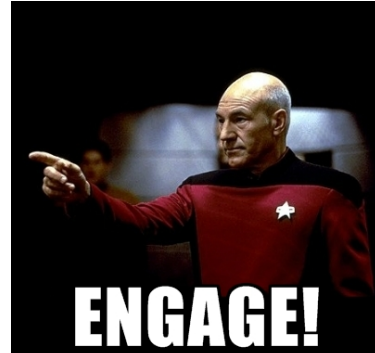
- A. Read (Auditory and Verbal Learners)
- B. Reflect (Reflective Learners)
- C. Display (Visual Learners)
- D. Do (Tactile, Kinesthetic, Exploratory Learners)



What was it that he said?



That's right, Engage!



Where would we all like to work?



ENGAGE UNIVERSITY

Sleepy U?



How do we engage online?

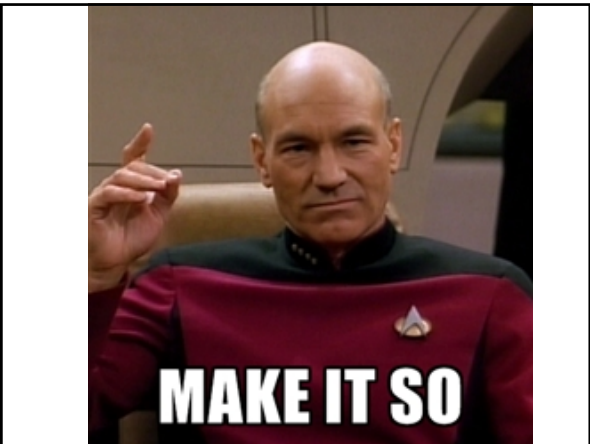
**Motivation Research Highlights**  
(Jere Brophy, Michigan State University)

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.



**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



**Examples of TEC-VARIETY**

**1. Tone/Climate: A. React to Maps**  
 The happiest and saddest states according to Twitter  
 Heather Kelly, CNN Tech, February 19, 2013  
<http://www.cnn.com/2013/02/19/tech/social-media/twitter-happiness/index.html>


The happiest and saddest states according to Twitter

States in red have the highest average amount of happy tweets. States in blue states have more sad tweets.

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

## 2. Encouragement, Feedback, etc.: A. Voice Feedback

Vocaroo; <http://vocaroo.com/>  
<http://vocaroo.com/i/s1mJ8jmSTgNI>



Vocaroo - The premier voice recording service. Or upload?

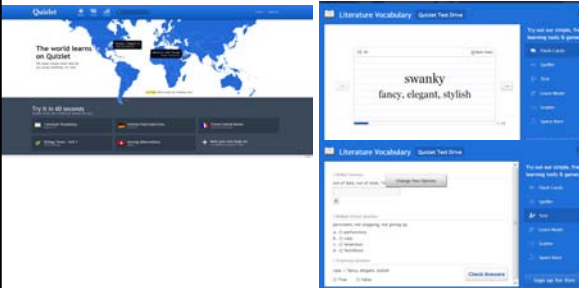
Retry Listen

Happy with this recording? Click here to save >>

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## 2. Encouragement, Feedback, etc.: B. Quizlet (online quiz tools)

<http://quizlet.com/>



Quizlet

The world learns on Quizlet

Try it in all 60+ languages

Literature Vocabulary - Open Test Drive

swanky  
fancy, elegant, stylish

Literature Vocabulary - Open Test Drive

## 3. Curiosity, Fun, Fantasy, Control: A. Online Database Activities

(e.g., WolframAlpha)  
<http://www.wolframalpha.com/>



WolframAlpha computational knowledge engine

Enter what you want to calculate or know about

tiger vs jacksal

Ask about animals

Examples Random

Access the WolframAlpha computational knowledge engine.

Answer questions, do math, instantly get facts, create plots, calculations, and comparisons, scientific data and statistics, help with homework—and much more.

How to WolframAlpha? TAKE THE TOUR >

A Quick Introduction to WolframAlpha by Stephen Wolfram

## 3. Curiosity, Fun: B. Something in the News

(e.g., Fauja Singh, 101, finishes last race, February 24, 2013)  
[http://cspn.go.com/sports/endorance/story/\\_/id/8979487/fauja-singh-101-caps-career-10k-hong-kong](http://cspn.go.com/sports/endorance/story/_/id/8979487/fauja-singh-101-caps-career-10k-hong-kong)

### Fauja Singh, 101, finishes last race



HONG KONG — The world's oldest marathon runner ran his last race on Sunday at the age of 101.

Fauja Singh finished the Hong Kong marathon's 10-kilometer (6.25-mile) race in 3 hours, 32 minutes, 28 seconds.

Singh, a Sikh with a saffron turban and a flowing white beard, followed the route along the western tip of Hong Kong island.


He was accompanied by a group from the city's local Sikh community, joining about 72,000 other runners taking part in the marathon.

The Indian-born runner, nicknamed the Turbaned Terrier, had said that he would hang up his sneakers after the race in the southern Chinese city, just before he turned 100.

Fauja Singh, the world's oldest marathon runner, runs his last race at the age of 101 on Sunday.

## 3. Curiosity, Fun: C. Blog Adventures

Tracing the fate of Algal Carbon Export in the Ross Sea, Antarctica TRACERS: The NBP13-02 Cruise, February 12 to April 5, 2013  
<http://tracers-nbp1302.blogspot.com/p/the-project.html>  
 From: Cassandra Brooks [cbrooks1@stanford.edu]  
 Sent: Thursday, January 31, 2013 12:09 AM  
 Subject: I'm heading out today to New Zealand, then flying to Antarctica where we pick up our NSF icebreaker. We'll be at sea for about 54 days.



Tracing the fate of Algal Carbon Export in the Ross Sea, Antarctica TRACERS: The NBP13-02 Cruise

The Project

Collaborative Research

Measuring the fate of Algal Carbon Export in the Ross Sea/TrACERS

PROJECT DESCRIPTION

How do we know what happens to the carbon we put into the ocean? How do we know what happens to the carbon we put into the ocean? How do we know what happens to the carbon we put into the ocean?

Ross Sea Shelf

Cape Colbeck

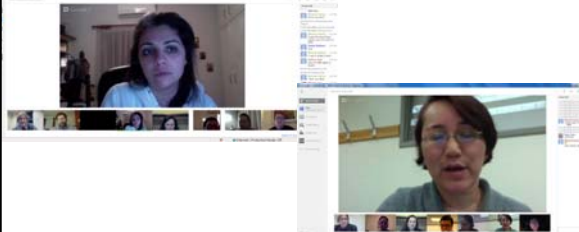
McKean Island

Terra Nova Bay

Cape Adare

## 4. Variety, Novelty, Intrigue, Unknowns: A. Class Sync Collaboration and Discussion in Google Hangouts


(Spring, 2013)






**5. Autonomy, Choice:**  
**A. Demonstrate, Explore, and Share Websites**  
 Commonwealth of Learning, March 2013  
[http://www.col.org/news/Connections/2013Mar/Documents/Connections\\_March2013.pdf](http://www.col.org/news/Connections/2013Mar/Documents/Connections_March2013.pdf)

ONLINE COURSE DEVELOPMENT FOR TEACHER EDUCATION IN JAMAICA




Workshop on OER use and re-use for teacher educators in Jamaica

**5. Autonomy, Choice:**  
**B. Assign to Explore and Rate Web Resources**  
 Center for Open Educational Resources and Language Learning  
<http://www.coerll.utexas.edu/coerll/>  
 LRC (Language Resource Center)  
<http://www.nflrc.org/>



**Poll #2: (Tone, Encouragement, Curiosity, Variety, Autonomy)**  
 Any light bulbs going off in your head so far...? If so, where?

A. Yes definitely  
 B. Maybe  
 C. No




**6. Relevance, Meaningfulness:**  
**A. Design Multimedia Glossaries**  
 Ozgur Ozdemir, December 2012  
<http://r685glossary.shutterfly.com/>



**6. Relevance, Meaningfulness:**  
**B. Design Reusable Web Resources**  
 Umida Khikmatillaeva, Creating a Global Classroom  
 World is Open for Language Learners  
<http://nikmatnoma.wix.com/globalclassroom#home/c2df>

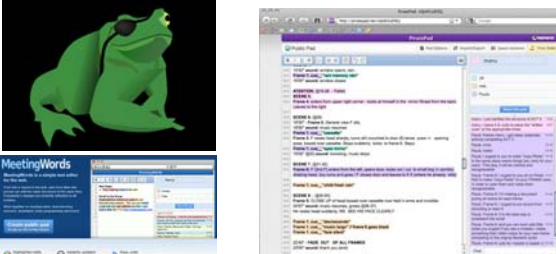


**7. Interactive, Collaborative:**  
**A. Collaboration and Discussion in Google Hangouts**  
 (January 29 and February 25, 2013)

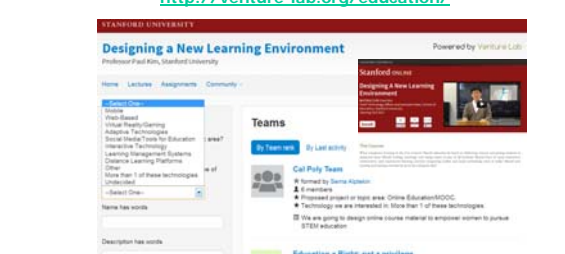


**7. Interactive, Collaborative:  
B. Negotiate Meanings Online**  
(e.g., PiratePad: <http://meetingwords.com/>)

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. Organizing Online Teams**  
Paul Kim, Stanford: October 28, 2012  
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/>




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



**8. Engagement, Effort:  
B. Life on Timeline**  
How Jimmy Wales' Wikipedia Harnessed the Web as a Force for Good, Ted Greenwald, March 19, 2013, Wired Magazine  
<http://www.wired.com/wiredenterprise/2013/03/jimmy-wales-wikipedia/>



**8. Engagement, Effort:  
C. Visualizing Careers**  
Harrison Ford takes the field in '42'  
Scott Bowles, USA Today, April 11, 2013  
<http://www.usatoday.com/story/life/movies/2013/04/10/harrison-ford-jackie-robinson/2001783/>



**8. Engagement, Effort:  
D. Timelines with Oral Histories, Slavery and the Making of America Time and Place, PBS**  
<http://www.pbs.org/wnet/slavery/timeline/1857.html>



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

**9. Tension, Challenge, etc.:**  
**A. Cage Match or Debate**  
**MOOCs at SXSWedu** (Curt Bonk & Chuck Severance)  
<http://c2brenk.com/blog/etradcampus/south-by-southwest-education-event-tensions-students-entrepreneurs-and-educators/42777>

**9. Tension, Challenge, etc.:**  
**B. Final Four-Like Competitions**  
 (i.e., Math March Madness, Greg Toppo, March 26, 2013, USA Today)  
<http://www.usgannette.com/article/2013/03/26/WCSU02/201306000/Fibonacci-Final-Four-Math-March-Madness.coming>

**Fibonacci Final Four? Math March Madness coming**

7:23 AM, Wed, 26, 2013 | 10 Comments

**9. Tension, Challenge, etc.:**  
**C. Decision-Making Scenarios**  
 (e.g., Articulate Storyline)  
[http://articulate.demos.s3.amazonaws.com/broken\\_co-worker/story.html](http://articulate.demos.s3.amazonaws.com/broken_co-worker/story.html)

**9. Tension, Challenge, etc.:**  
**D. Peer Ratings on Final Projects**  
 (Note: from Paul Kim's MOOC, Stanford)

**School on Wheels for the 21st Century**

Submitted Evaluations

Thank you for submitting your evaluation. You can view your evaluation and compare it against other evaluations in the page.

Criteria and weights of the design:  
 1. Educationally sound  
 2. Engaging and interactive  
 3. Assessable  
 4. Scalable and sustainable

	A	B	C	D	E
Review 1	5.0	5.0	5.0	5.0	5.0
Review 2	5.0	5.0	5.0	5.0	5.0
Review 3	5.0	5.0	5.0	5.0	5.0
Review 4	5.0	5.0	5.0	5.0	5.0
Review 5	5.0	5.0	5.0	5.0	5.0
Review 6	5.0	5.0	5.0	5.0	5.0
Review 7	5.0	5.0	5.0	5.0	5.0
Review 8	5.0	5.0	5.0	5.0	5.0
Review 9	5.0	5.0	5.0	5.0	5.0
Review 10	5.0	5.0	5.0	5.0	5.0

**10. Yields Products, Goals:**  
**A. Final Product Video Summaries**  
 (on IQ Wall, April 22, 2013)  
**Piercarlo Abate**  
<http://www.youtube.com/watch?v=1UfCz0D0u>



**10. Yields Products, Goals:**  
**B. Final Product Video Products**  
 Kristen Needler, Self-Directed Simulation  
<http://www.youtube.com/watch?v=aT-YZj-b8-g>



**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 #3:**  
 Do you feel "MOTIVATED" to try any of this out?

- A. Yes, R2D2
- B. Yes, TEC-VARIETY
- C. Yes, both
- D. Neither




**DON'T JUST WISH FOR A GREAT 2013,**



**MAKE IT SO.**

**Stop and Share:**  
 Three Words from Today's Session!



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



- 😊 Slides at: [TrainingShare.com](http://TrainingShare.com)
- 😊 Papers: [PublicationShare.com](http://PublicationShare.com)
- 😊 Book: <http://worldisopen.com/>
- ✉ Email: [curt@worldisopen.com](mailto:curt@worldisopen.com)