

**Blackboard/CourseSites MOOC Part I:  
The TEC-VARIETY Model**

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**Poll #1:  
Where are you now?**

- A. North or South America
- B. Europe
- C. Africa
- D. The Middle East
- E. Australasia



**Poll #2:  
What time is it there?**

- A. Morning
- B. Lunch time
- C. Mid Afternoon
- D. Evening
- E. Late night or early morning



**Poll #3:  
Does this time work well for  
you each week?**

- A. Yes
- B. No
- C. Sometimes



**Poll #4:  
What is your emotional state right now?**

- A. Very Happy
- B. Somewhat Happy
- C. Neutral
- D. A bit unhappy/Sad
- E. Totally Frustrated



**Poll #5:  
How fast is your Internet access now?**

- A. Blazingly fast
- B. Pretty fast
- C. Satisfactory
- D. Slow
- E. Excruciatingly Slow





**September 15, 2011,**  
**Graded Free OCW**  
**Welcome to Stanford Engineering,**  
**Everywhere (SEE), <http://see.stanford.edu/>**  
 View lecture videos, access reading lists and other course handouts,  
 take quizzes and tests, and communicate with other SEE students, etc.

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

**February 9, 2012**  
**A first-hand look inside a flipped classroom,**  
 eSchool News, Meris Stansbury  
<http://www.eschoolnews.com/2012/02/09/a-first-hand-look-inside-a-flipped-classroom/>

Watch Lake Elmo Elementary's experience:

**February 15, 2012**  
**Guess what! You just got into MIT! Free ride! Kind of!**  
**Marketplace Tech Report, John Moe,**  
<http://www.marketplace.org/shows/marketplace-tech-report>

**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

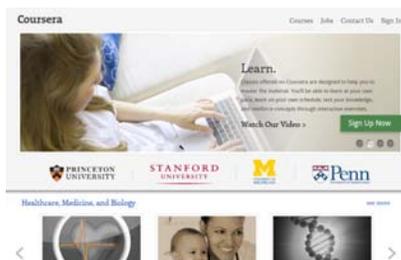
**Badges for Lifelong Learning**  
 OER Competency Process Diagram

Some sample badges:

**February 21, 2012**  
**Rethinking Learning with Salman Khan, Stanford Graduate**  
**School of Business <http://www.youtube.com/watch?v=W-vj48hOa5w>**  
**March 21, 2012**  
**Let's use video to reinvent education, TED**  
[http://www.ted.com/speakers/salman\\_khan\\_let\\_s\\_use\\_video\\_to\\_reinvent\\_education.html](http://www.ted.com/speakers/salman_khan_let_s_use_video_to_reinvent_education.html)

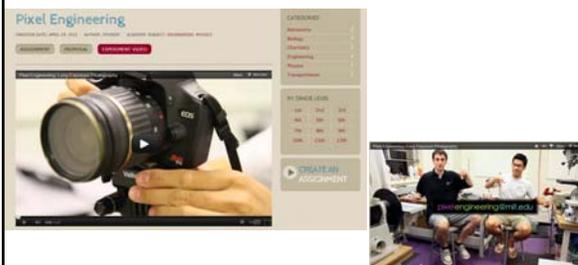
**April 18, 2012**

Online-Education Start-Up Teams With Top-Ranked Universities to Offer Free Courses, Chronicle of Higher Education (e.g., Coursera) (<https://www.coursera.org/>)



**April 25, 2012**

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



**Poll #7: Is this a revolution in education today?**

- A. Yes...
- B. No...



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



**A Vision of Today's Students**



**February 12, 2012**

Mooresville's Shining Example (It's Not Just About the Laptops), ALAN SCHWARZ, New York Times.



**BREAK TIME** Matthew Ward regroups during class, where each student has a school-issued laptop.

**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 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)



## 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.



## 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.



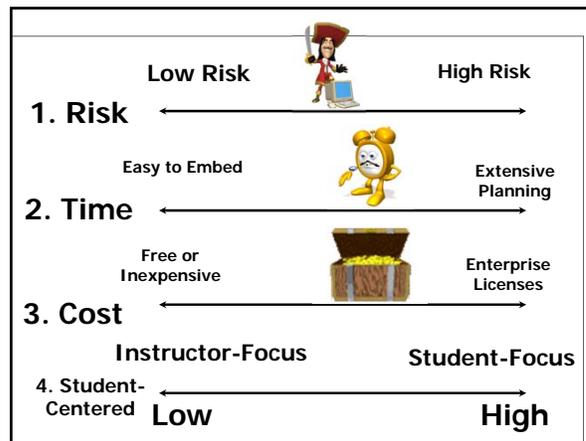
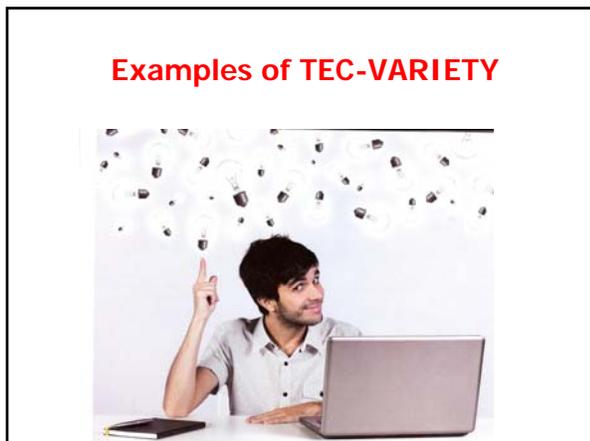
**I even reflected on this for a moment...and then something magical happened...**



## Framework #1: 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: Social Ice Breakers**

**A. Public Commitments:**  
Have students share how they will fit the coursework into their busy schedules

**B. Favorite Websites**

- Everyone posts 1-2 of their favorite Websites and explain why.
- Peers comment on or rate them.

**1. Tone/Climate: Social Ice Breakers**

**C. 8 nouns (adjectives, verbs)**

- List of nouns: (e.g., pirate, computer, traveler, roadrunner, wind, bookworm, musician, mentor, etc.)  
- <http://www.momswhothink.com/reading/list-of-nouns.html>
- List of adjectives: (e.g., lazy, powerful, shy, bored, exotic, cooperative, sloppy, rebel, etc.)  
- <http://www.momswhothink.com/reading/list-of-adjectives.html>
- List of verbs: (e.g., coordinate, entertain, amuse, push, unite, beg, dream, publicize, etc.)  
- <http://www.momswhothink.com/reading/list-of-verbs.html>

**1. Tone/Climate: D. 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. Online Self-Testing** (e.g., self study in vocabulary, anatomy, chemistry, dissection, etc.)

**2. Encouragement, Feedback, etc.: B. Create Screencasts**  
 (Jing, GoView, Screenr, slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

**Create Screencasts!**

URL: <http://franklin.socrative.com/2012/01/08/Best-screencasting-tools-for-2012/>

**2. Encouragement, Feedback, etc.: C. Vocab Sushi (\$25 for 3 months)**  
<http://www.vocabsushi.com/>

**2. Encouragement, Feedback, etc.: D. Online Accounting Lessons**  
 (e.g., Lyryx; <https://lifa.lyryx.co>)

**2. Encouragement, Feedback, etc.: E. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules** (Franklin University, cost and forensic accounting course)  
<http://video.franklin.edu/Franklin/acct/managerialAccounting/cost-behavior-player.html>  
<http://video.franklin.edu/Franklin/acct/342/common/FraudScenario02.html>

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

**2. Encouragement, Feedback, etc.: G. Student response systems**  
 (e.g., Socrative; <http://www.socrative.com/how-it-works.php>)

### 3. Curiosity, Fun: A. Online News (Politics, Giant jellyfish, Tiny T. rex, and Ardi)

The screenshot shows the CNN website interface. At the top, there are navigation links for 'Home', 'Video', 'World', 'U.S.', 'Africa', 'Asia', 'Europe', 'Latin America', 'Middle East', 'Business', and 'World'. Below the navigation bar, there are two main news articles. The left article is titled 'Report: Bahraini police beat, torture detainees' and features a photo of a person in a dark setting. The right article is titled 'Escaped dissident tests relations' and features a photo of a man in a dark shirt. To the right of the articles, there are two illustrations of dinosaurs: a T-Rex at the top and a smaller dinosaur below it.

### 3. Curiosity, Fun: B. Online Social Networking Games (e.g., scrabble, hangman, etc.)

The screenshot shows a social media post from 'USA TODAY' dated August 12, 2011. The headline is 'Google takes swing at Facebook in social games'. The text below the headline discusses Google's new social games, mentioning 'Angry Birds' and 'Angry Birds Friends'. To the right of the text is a screenshot of the 'Angry Birds Friends' mobile game interface, showing a grid of letters and various game elements. Below the main text, there are two smaller images: one for 'Instant Interactive' and another for 'New Drills 5,3' with the text 'Ready for Snow Leopard'.

### 3. Curiosity, Fun: C. Online Games

The block contains two photographs. The left photograph shows a group of people sitting at a long table in a computer lab, looking at multiple computer monitors. The right photograph shows a similar scene from a different angle, with people focused on their screens.

### 3. Curiosity, Fun: D. Online Database Activities (e.g., WolframAlpha)

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

The screenshot shows the WolframAlpha website interface. At the top, it says 'WolframAlpha computational knowledge engine'. Below that is a search bar with the text 'Enter what you want to calculate or know about'. There are several icons and buttons, including 'Ask about animals' and 'Examples Random'. To the right of the website screenshot is a book cover titled 'A Quick Introduction to WolframAlpha by Stephen Wolfram'. Below the book cover is a small photo of a man sitting at a desk.

### 3. Curiosity, Fun: E. Track a Scientist, Scholar, Celebrity, Writer (e.g., Biography.com, biography online, FamousPeople.com)

The screenshot shows the Biography.com website. At the top, there is a navigation bar with links for 'Home', 'Biographies', 'Movies', 'Inspiration', and 'Blog'. Below the navigation bar, there is a section titled 'Welcome to Biography Online' with a sub-heading 'Biographies of the famous, influential, and inspirational'. There are several featured biographies, each with a small photo and a title. The featured biographies include 'Imaginational People', 'People That Changed the World', 'People Who Made a Difference', and 'Imaginational Quotes'.

### 3. Curiosity, Fun: F. 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)

The screenshot shows a videoconference interface. At the top, there is a banner that says 'Welcome to International Studies for Indiana Schools'. Below the banner, there are several video windows showing participants in a videoconference. The participants are diverse in age and appearance. There are also some text overlays and icons on the interface.

### 3. Curiosity, Fun:

#### G. Adventure and Environmental Learning

## PenguinScience, Impossible2Possible, EARTHducation



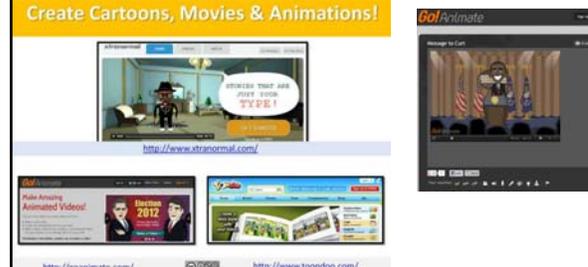
Dependability is crucial for staying in touch with the home base. Whether you're heading to the bottom of the world or trekking through the Arctic, the sky won't let us down.

### 3. Curiosity, Fun:

#### H. Create Cartoons, Movies, and Animations

(slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

## Create Cartoons, Movies & Animations!



GoAnimate

Xtranormal

### 4. Variety, Novelty:

#### A. Cool Resource Provider or Tech Demos

## P540 Cool Resource Provider and Moderator Sign Up Sheet

If multiple people are working with this form simultaneously it is possible to overwrite someone else's entry that would make your work in vain. Make sure you are working with the latest version of the sign-up sheet by refreshing your browser window before you enter your name and click the Update button.

Instructions: Please put your name in the box for the GDE WEEK that you want to be the moderator. Only complete one box (either for K-12 or Adult Learning, NOT both). When complete, please click the green Update button before exiting the system.

Week	K-12 Educational Learning	Adult Educational Learning
1. Introduction to the Study of Learning	<input type="checkbox"/>	<input type="checkbox"/>
2. Introduction	<input type="checkbox"/>	<input type="checkbox"/>
3. Social Learning Theory	<input type="checkbox"/>	<input type="checkbox"/>



### 4. Variety, Novelty, Fun, Fantasy:

#### B. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)

## RANDOM.ORG



Coin Flipper: You flipped 2 coins of type Irish 41.

Dice Roller: You rolled 2 dice.

List Randomizer: There were 10 items in your list. Here they are in random order:

1. Bill
2. Arthur
3. 10 Thomas
4. 2 Shelby
5. 7 Sherry
6. 2 Sherry
7. 5 Susan
8. 4 Stephanie
9. 4 Ned
10. 6 Brian

### 4. Variety, Novelty, Fun, Fantasy:

#### C. Timers (Stopwatches, Countdown Timers, Stopwatch Bombs, etc.; <http://www.online-stopwatch.com/countdown-timer/>)



www.online-stopwatch.com

00:01:39

Start Clear

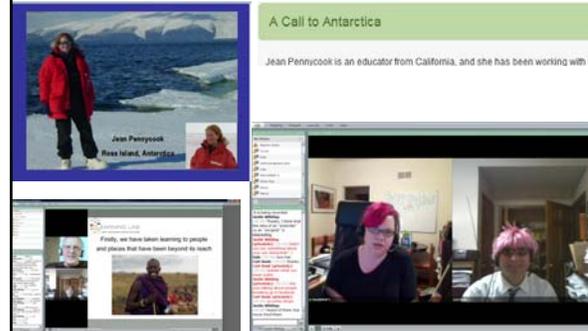
Back Like the Countdown Timer Full Screen

### 4. Variety, Novelty:

#### D. Synchronous Session with Guest Expert

## A Call to Antarctica

Jean Penrucook is an educator from California, and she has been working with D



Jean Penrucook  
Ross Island, Antarctica

Finally, we have been learning to people and places that have been beyond the reach

### 4. Variety, Novelty: D. Record Webinars and Guest Expert Talks (slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

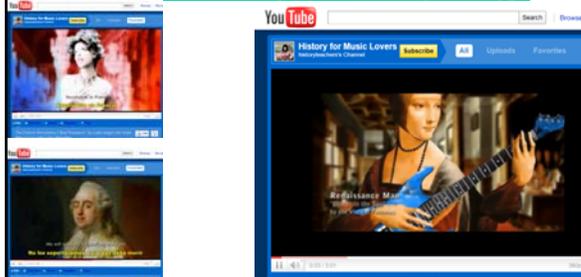
Record Webinars/Online Talks!



### 4. Variety, Novelty, Fun, Fantasy: E. Music Videos of Content

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/historyteachers7blend=6&ob=5#p/1/12/kJULC0jsgdA>



### Arlington Racetrack



### Jockey's are Important



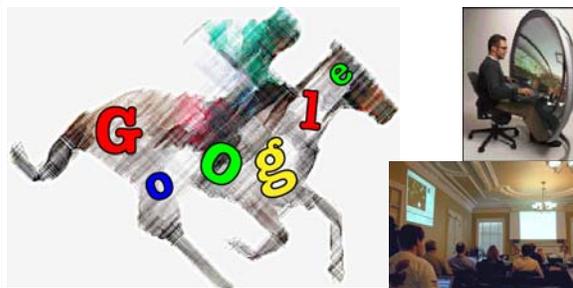
### Jockey's are Important



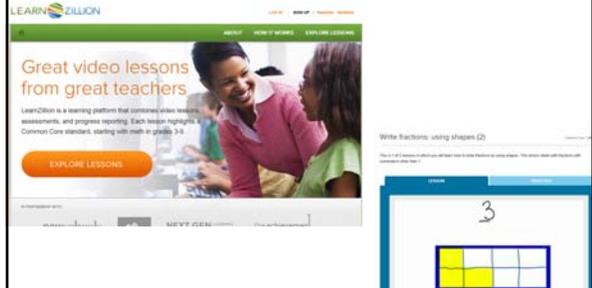
### 5. Autonomy, Choice:

A. Online Resource Search (Class Google Jockeys)

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



### 5. Autonomy, Choice: B. Watch Shared Online Videos (LearningZillion; <http://learnzillion.com/>)



LearningZillion is a learning platform that combines video lessons, assessments, and progress reporting. Each lesson highlights Common Core standards, starting with math in grade 3-4.

Write fractions using shapes (2)

The first and second grid each have one shape in one space. The third grid has two shapes in two spaces.

### 5. Autonomy, Choice: C. 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 Hemmingway: <http://www.timelesshemmingway.com/>



### Poll #8: Any light bulbs going off in your head so far...?

A. Yes definitely  
B. Maybe  
C. No



### Poll #9: Which of the first 5 motivational principles will you use the most?

A. Tone/Climate  
B. Encouragement/Feedback  
C. Curiosity/Fun  
D. Variety/Novelty  
E. Autonomy/Choice/Flexibility



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

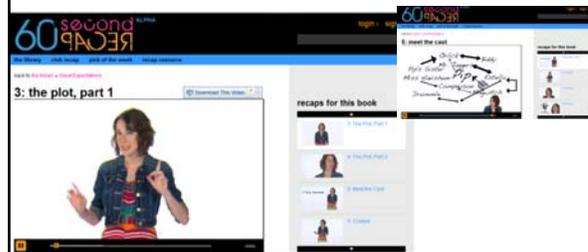


Stomach, endoscopic examination and biopsy:  
Poorly differentiated tubular adenocarcinoma

Final conclusion:  
Advanced gastric carcinoma with multiple lung metastases with lymphangitic growth

### 6. Relevance, Meaningfulness: B. 60 Second Recap, Jenny Sawyer

<http://www.60secondrecap.com/>  
Actress to students: Lend me your earbuds!  
English major, 24, rambunctiously recaps the classics in 60-second Web videos; By Greg Toppo; USA TODAY, September 2009



**6. Relevance, Meaningfulness:**  
**C. Tour an Online Oil Drilling Site or Role Play Situations (i.e., BP)**  
<http://www.youtube.com/watch?v=ts45BkAnqTs>

**7. Interactive, Collaborative:**  
**A. Working In Virtual Teams**  
 (e.g., Collanos, Ning, SharePoint, Google Docs)

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

**7. Interactive, Collaborative:**  
**A. Touch, Highlight, and Take Notes on the Tablet Computer** (e.g., Apple starts selling interactive iPad textbooks, Yahoo! News, Peter Svensson, Assoc Press, Sat, Jan 21, 2012)  
<http://www.viddler.com/explore/enqadqet/videos/39317/>

**7. Interactive, Collaborative:**  
**C. Dr. Monica Rankin's class, UT Dallas, Cuban Revolution (April/May 2011)**  
<http://www.youtube.com/watch?v=ocQMf1kPo98>

**7. Interactive, Collaborative:**  
**D. Collaborative Documents (Google Docs)**

**7. Interactive, Collaborative:**  
**E. Online Language Learning**  
 (Skype, MSN, ECpod, Mixxer, Livemocha, Babbel, KanTalk etc.)

**7. Interactive, Collaborative:**  
**F. SMILE: Stanford Mobile Inquiry-based Learning Environment (Tanzania)**

**February 2012**  
**Seeds for Empowerment, Tanzania**  
 (Alex Bank and the kids...)

**8. Engagement, Effort:**  
**A. Flash, 3-D Visualization, & Laboratory Software**

**8. Engagement, Effort:**  
**B. Time Tracker (e.g., Indy Race Tracker, May 29, 2011)**  
<http://www.indy.com/interactive/article/99999999/SPORT/5010101/399990474/2011-Indianapolis-500-Race-Tracker>

**8. Engagement, Effort:**  
**C. Virtual Timelines (HyperHistory)**  
<http://simile.mit.edu/timeline/>  
<http://www.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1>

**8. Engagement, Effort: D. Arab spring: an interactive timeline of Middle East protests, The Guardian, Garry Blight, and Sheila Pulham, July 12, 2011**



**8. Engagement, Effort: E. Virtual field trips (e.g., teach the history of immigration in America, eSchool News, March 21, 2012)**

**8. Engagement, Effort: F. Interactive Simulations**

<http://phet.colorado.edu/en/simulation/energy-skate-park>

**9. Tension, Challenge, etc.: A. Ethical Debates**

**9. Tension, Challenge, etc.: B. Photo Festivals and Competitions (e.g., COFA at UNSW, Scrapblog, flickr, etc.)**

<http://www.youtube.com/watch?v=im7GOM9fzbc>

**9. Tension, Challenge, etc.: C. GameShow 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=8cmFW9W9W8>  
 Shuya Xu and Yue Ma (Blog my online lrng): <http://www.youtube.com/watch?v=jm7GQM9rzhc>  
 Cesur Dagli (Animal perspectives on course): <http://www.youtube.com/watch?v=cDeTEId05ic>



**10. Yields Products, Goals:**  
**B. Teacher Created Video Products**  
 Lorma International School, the Philippines  
 (Hannah Kimberly Obar, 1st Grade teacher, 2/24/2012)  
<http://www.youtube.com/watch?v=1C435U1-GzA>  
<http://www.youtube.com/watch?v=JzP1rEiGAAk>  
[http://www.youtube.com/watch?feature=player\\_embedded&v=U4MuTfAc6Ec](http://www.youtube.com/watch?feature=player_embedded&v=U4MuTfAc6Ec) (1<sup>st</sup> grade kids)



**10. Yields Products, Goals:**  
**C. Create Own Channel in YouTube**  
 (e.g., my channel "TravelinEdMan")  
<http://www.youtube.com/user/TravelinEdMan>



**10. Yields Products, Goals:**  
**D. Video Blogs**



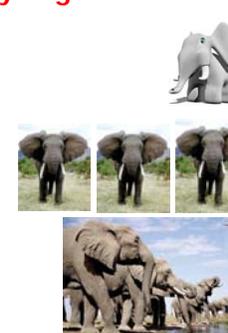
**Poll #10:**  
**Which of the last 5 motivational principles will you use the most?**

- A. Relevance/Meaningfulness
- B. Engagement/Effort
- C. Interactive/Collab/Community
- D. Tension/Challenge/Dissonance
- E. Yielding Products/Goals



**Poll #11:**  
**How many ideas did you get so far?**

- 1. 0 if I am lucky.
- 2. 1 or 2.
- 3. 3-5.
- 4. 6-10.
- 5. More than 10.



**Poll #12:**

Which additional chapter from the upcoming book should I post to the MOOC?

- A. Chapter 1 : Introducing TEC-VARIETY
- B. Chapter 5: Curiosity/Fun (10 activities)
- C. Chapter 6: Variety/Novelty (10 activities)
- D. Chapter 7: Autonomy/Choice/Flex (10 act)
- E. Chapter 14: Recapping the Model



**Poll #13:**

How and with whom should we publish the TEC-VARIETY book?

- A. Jossey-Bass (\$30-40; nothing free).
- B. Routledge (\$40, some activities will be free).
- C. Amazon's CreateSpace (give away free PDF of entire book; hardcover book is \$9.99).
- D. Make each chapter a \$1.99 downloadable mobile application.
- E. Give 50 activities away free and sell the other 50 in a hardcover or softcover book.

**Poll #14:**

Do you feel "MOTIVATED" to try any of this out?

- A. Yes
- B. No



**Commitments:**

Stop and Share in Chat Window:

Which principle(s) of TEC-VARIETY will you use?

- Tone/Climate
- Encouragement, Feedback
- Curiosity

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



**Stop and Share in Chat Window:**

Three Words from Today's Session!



**Any Questions?**

Perhaps try TEC-VARIETY...

- 😊 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)

