


Beyond Text:
The Power of Student Created Media


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Audience Poll #1:
Has learning technology ever transformed your life.



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



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...



Knowledge Navigator (1987) Apple Computer

<http://www.youtube.com/watch?v=hb4A2F6vEoc>



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.

Audience Polls #2:

- I. Who remembers where they were when they found out that Steve Jobs died?
- II. Who remembers what they were doing on 911?
- III. Who remembers what they were doing on 441 (i.e., April 4, 2001)?



Charles Vest (April 4, 2001)

<http://web.mit.edu/newsoffice/2001/ocw.html>

"This is about something bigger than MIT. I hope other universities will see us as educational leaders in this arena, and we very much hope that OpenCourseWare will draw other universities to do the same. We would be delighted if -- over time -- we have a world wide web of knowledge that raises the quality of learning -- and ultimately, the quality of life -- around the globe."



October 31, 2013

The launch of OERu: Towards free learning opportunities for all students worldwide, BC Campus (Canada)

<http://bcampus.ca/2013/10/31/the-launch-of-open-educational-resources-towards-free-learning-opportunities-for-all-students-worldwide/>

The launch of OERu: Towards free learning opportunities for all students worldwide

October 31, 2013

Imagine anyone in the world having access to a world-class education online for free, and getting credentials for it. With the launch of Open Educational Resources University (OERu) on November 1, that's exactly what is now possible. The launch is a significant milestone in higher education globally, and marks a transition from an international collaboration prototype to a sustainable, scalable program of accessible OERu study.



The official launch takes place at Thompson Rivers University in Kamloops, B.C. for four-to-five participants and streamed live for registered virtual participants. The launch comes at the end of a five-day meeting of OERu member partners and will be hosted by Dr. Alan Shaker, President, Thompson Rivers University, Dr. John Daniel, Chair of United World Colleges (UWC) will give the keynote address and officially "push the button" to launch the OERu website.

"The OERu launch is an important milestone in the long campaign to make quality higher education more flexible and less expensive," said Dr. John Daniel. "Getting it established will be a slow process because the concept is so radical. However, getting at a moment when higher education is in crisis because of rising costs and high youth unemployment, the OERu provides a model of education in the world as it will be required, but not a mere

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



May 20, 2013
The New Greatest Generation: Why Millennials will Save Us All, Time, Joel Stein
<http://www.time.com/time/magazine/article/0,9171,2143001,00.html>

I. Learning is More Mobile
This Holiday Season, Learn on the Go with the New Coursera App for iOS!
Coursera Blog, December 8, 2013
<http://blog.coursera.org/post/69546553384/this-holiday-season-learn-on-the-go-with-the-new>

	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

II. Learning is More Video-Based
Adora Svitak, WFP Youth Representative - 2013 ECOSOC Youth Forum, March 27, 2013
*Shaping tomorrow's innovators: Leveraging science, technology, innovation and culture for today's youth". Statement by the World Food Programme Youth Representative, Ms. Adora Svitak at the 2013 ECOSOC Youth Forum.
<http://webtv.un.org/meetings-events/economic-and-social-council/youth-representative-2013-ecococ-youth-forum-shaping-tomorrows-innovators-leveraging-science-technology-innovation-and-culture-for-todays-youth/2257975055001>

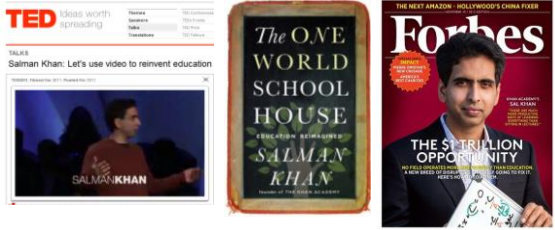
III. Learning is More Global
UC Irvine (2013 report)
Example 3: Fundamentals of Japanese
Dr. Hiromi Riggs, Fall 2012 & Winter 2013, Tech-enhanced: **EE** AdvancedWebSpace (Streamweaver), Skype video conferencing tool. **Active Learning** Formats: 5 - 1A lectures (24 students maximum); 3 - 2A lectures (24 students maximum); 2 - 3A lectures (24 students maximum)

IV. 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-apple/health-glasses-jarvis-jarvis/207914/>
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.thercembioscience.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>

January 2014
V. Learning is More Massive
Designing for Experiences: Principles for Technology Transformation,
Aaron Doering, U of Minnesota
<http://it.umn.edu/nexted/>

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)



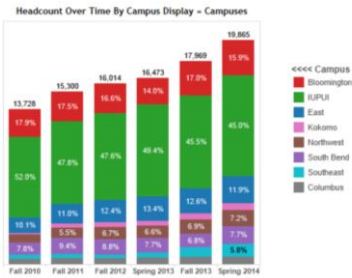
Poll #3: Is this a revolution in education today?

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



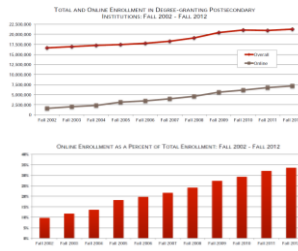
February 2014 IU Online Enrollments (at least one class online)

http://public.tableausoftware.com/views/Students-AtLeastOneOnlineClass/Dashboard:AtLeastOne?ambid=ck&display_count=no

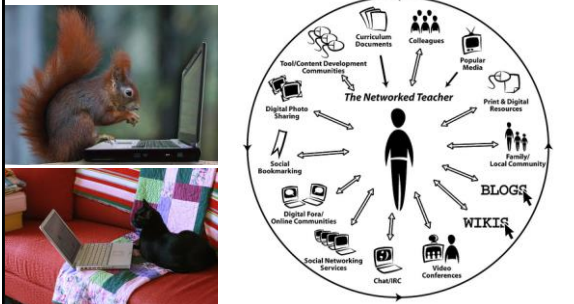


January 2014 Grade Change: Tracking Online Education in the United States, 2013, The Sloan Consortium, I. Elaine Allen & Jeff Seaman,

<http://sloanconsortium.org/publications/survey/grade-change-2013>
 Direct connect: <http://www.onlinelarningsurvey.com/reports/gradechange.pdf>



The Web of Learning



It is very open! (at least in Norway & the Philippines)



It is very open...

(Touchdown Jesus! or Open World?)



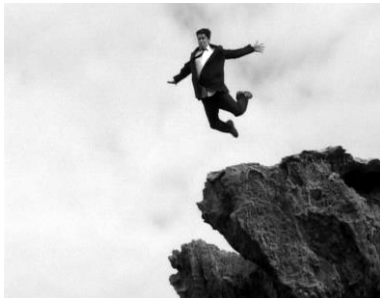
Framework #1: WE-ALL-LEARN: Ten Forces that Opened the Learning World



- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**ead-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)



We are entering a jumping off point...



What about the Instructor in the Open World?



Ashley is a steamroller



Instructor as Conductor



Instructor as Curator



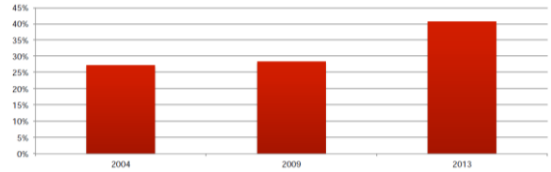
Instructor as Concierge



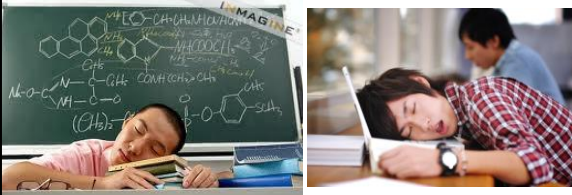
January 2014 Grade Change: Tracking Online Education in the United States, 2013, The Sloan Consortium, I. Elaine Allen & Jeff Seaman, 2013 Survey of Online Learning Report

<http://sloanconsortium.org/publications/survey/grade-change-2013>
Direct connect: <http://www.onlinelearningurvey.com/reports/gradechange.pdf>

RETAINING STUDENTS IS A GREATER PROBLEM FOR ONLINE COURSES THAN IT IS FOR FACE-TO-FACE COURSES: 2004, 2009 AND 2013



Part II. Motivation and Engagement



How do we engage online?



What was it that he said?



Ok, Million Dollar Question: What words come to mind when I say that I want to motivate learners?



Motivation Research Highlights (Jere Brophy, Michigan State University)

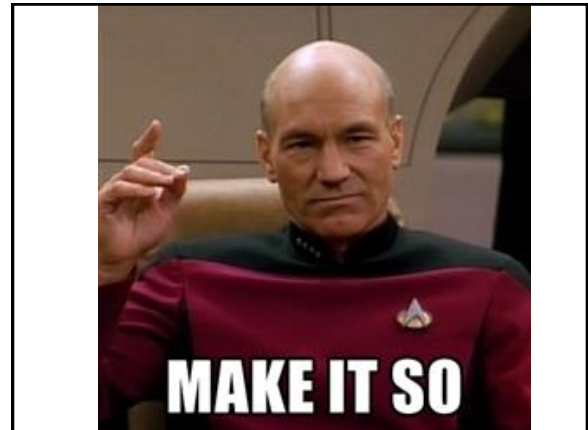
1. **Supportive**, appropriate **challenge**, **meaningful**, moderation/optimal.
2. Teach **goal** setting and self-reinforcement.
3. Offer **rewards** for good/improved performance.
4. Novelty, **variety**, **choice**, adaptable to interests.
5. Game-like, **fun**, fantasy, curiosity, suspense, active.
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.



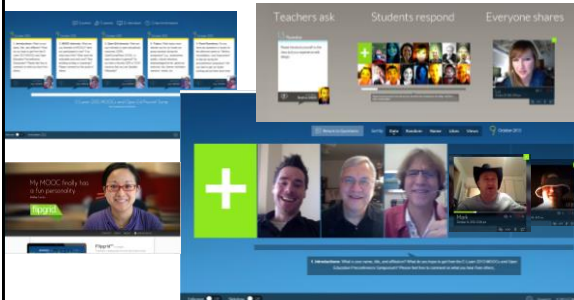
Framework #2: TEC-VARIETY for Online Motivation and Retention

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

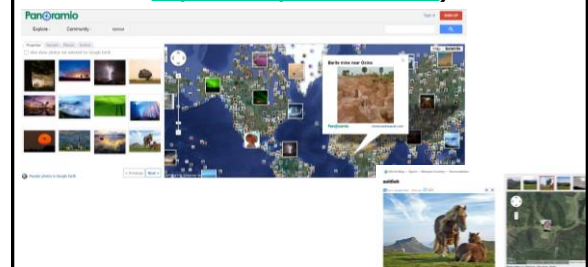
Examples of TEC-VARIETY



1. Tone/Climate: A. 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

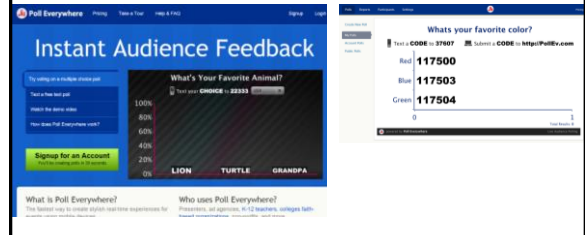
Vocaroo; <http://vocaroo.com/>
<http://vocaroo.com/i/s11Cth7fSIIZ> (Notre Dame)



2. Encouragement, Feedback, etc.: B. Blog and Website Polling

(e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)

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



3. Curiosity, Fun: A. 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-career-10k-hong-kong

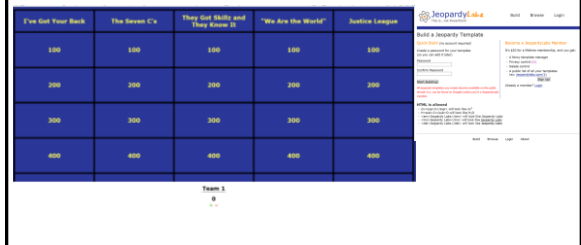
Fauja Singh, 101, finishes last race



3. Curiosity, Fun: B. Online Quiz Games

Jeopardy Labs

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

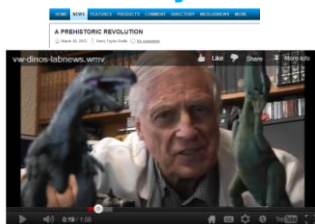


3. Curiosity, Fun: C. Tracking the Life of a Scientist

(e.g., Brian J. Ford, independent scientist)

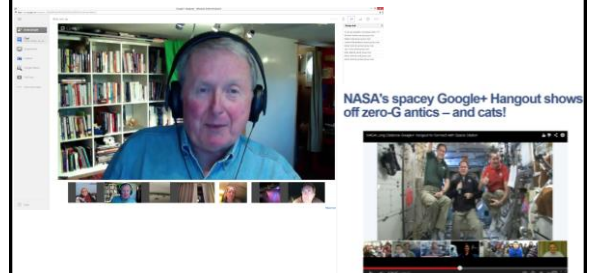
<http://www.youtube.com/user/tellymonitor#p/a/u/1/LhGeApsKjasr>
<http://www.labnews.co.uk/news/prehistoric-revolution/>

LaboratoryNews



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

(e.g., Jay Cross, Internet Time Group)



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

ONLINE COURSE DEVELOPMENT FOR TEACHER EDUCATION IN JAMAICA



6. Relevance, Meaningfulness:
A. Design Multimedia Glossaries

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



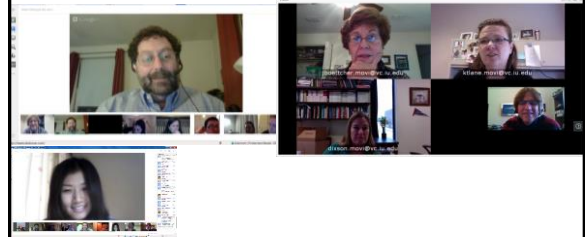
6. Relevance, Meaningfulness:
B. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules (Franklin University, cost and forensic accounting course)

<http://video.franklin.edu/Franklin/acct/managerialAccounting/cost-behavior-player.html>
<http://video.franklin.edu/Franklin/acct/343/common/fraudScenario2.html>

Cost Behavior

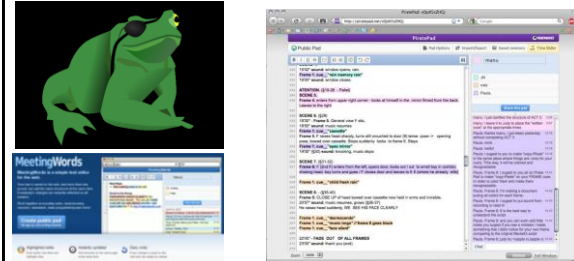
Variable Cost	Fixed Cost
Sheet metal in cars	Advertising costs
Wages paid to the workers	Manager salaries
Fuel used by a trucking company	Property insurance
Packing materials needed for ship products	Warehouse rental
	Security guard
	Ship products

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



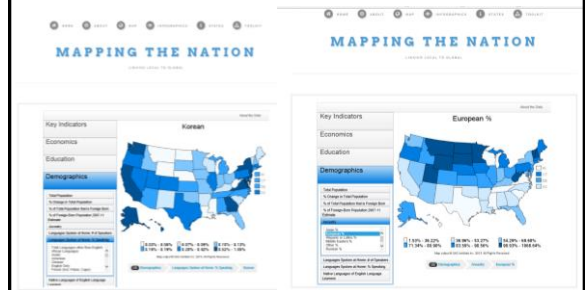
7. Interactive, Collaborative:
B. Negotiate Meanings Online (e.g., PiratePad: <http://meetingwords.com/>)

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!



8. Engagement, Effort:
A. Mapping the Nation

<http://mappingthenation.net/map.html>



**8. Engagement, Effort:
B. Interactive Timelines**
(e.g., Raymond Chandler, The Big Sleep, Kate Hurd)
<http://hurdisuranceagency.com/thebigsleep/>

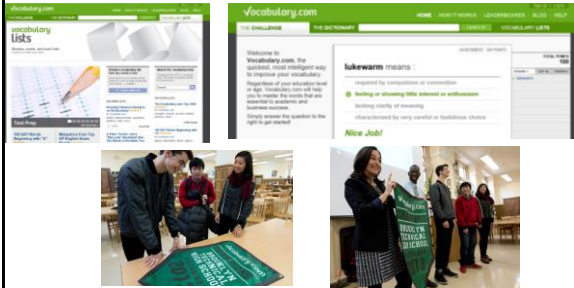


**9. Tension, Challenge, etc.:
A. GameShow Final Project,**
April 25, 2011, Kim Seeber

Website: <http://mypage.iu.edu/~kseeber/web2.Otechnology.swf>



**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/History/News/Articles/2014/01/14/23/vocabulary-schools-online-competition-students-teacher-445508/>)
Vocabulary.com: <https://www.vocabulary.com/>



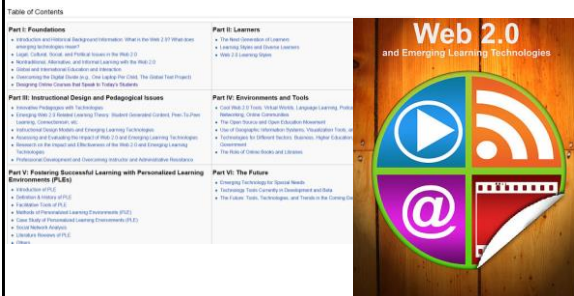
**10. Yields Products, Goals:
A. Final Product Video Summaries**

Piercarlo Abate: <http://www.youtube.com/watch?v=-TURzHO0aU>
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>



**10. Yields Products, Goals:
B. Wikibook Chapter**

http://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies/Andragogy_and_Technology
http://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies



**10. Yields Products, Goals:
C. I Done This, Milestone Planner,
and 43 Things**



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

Tone/Climate
Encouragement, Feedback
Curiosity

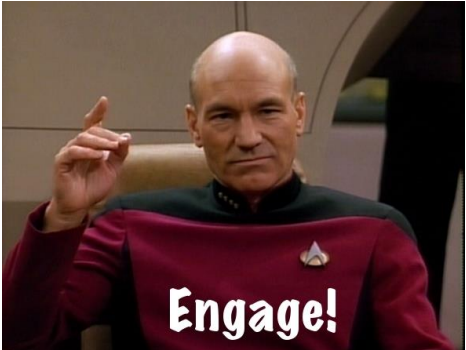
Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products




What did Jean-Luc Picard say?



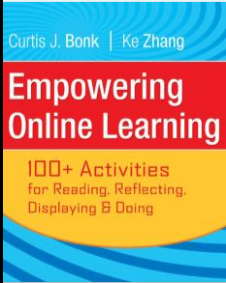

That's right, Engage!



Part III. How can technology address diverse learner needs?



Framework #3: 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. Grammar Checkers (e.g., Grammarly, Ginger, GrammarCheck, PaperRater, and SpellCheckPlus)

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

Read 1b. 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
<http://www.pbs.org/wnet/slavery/timeline/1857.html>

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. Big Issue Reflections

(Big Questions Online (BQO)), January 8, 2013

(e.g., Do We Have Souls?)

<https://www.bigquestionsonline.com/content/do-we-have-souls>

Reflect 2b.

Reflect on Virtual Timelines

(Dipity, xtimeline, Simile, etc.) (How Facebook changed our lives, Marco della Cava, USA Today, February 3, 2014)

<http://www.usatoday.com/story/tech/2014/02/02/facebook-culture-10-cultural-impact/506387/>

<http://www.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1>

<http://www.usatoday.com/news/entertainment/story/2011-08-25/Harris-Jarvis-King-2-the-memorial-in-Washington-A-closer-look/26134679/3?pos=34news>

<http://www.usatoday.com/story/life/movies/2013/04/10/Harrison-Ford-jackie-robbinson/2001252/>

Reflect 2c. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State Univ, Come and See Africa Blog; <http://comeandseeafrica.blogspot.com/>)

Come and See Africa (CASA)

Wednesday, July 24, 2013

A Day in Butere, Rwanda

When people ask me "What do you do in Africa?" I say, "You do a lot of different things. You show all the Cote and One Africa CASAs that we have. We did." I think people give you a little more detail than that some answer, so you can give for an opportunity. Here is a list of things that I did today on July 28, 2013.

I got up around 4 am (sounds like I am a very diligent person), but not really. My book is still open from California time and Rwanda time. I check my email and prepare a sermon to share at the morning prayer. At 5 am, Jack the night watchman prepares the room for the morning devotion. Adults usually sit on chairs, and children sit on the floor. Around 7:30 people start singing. Then there is a time to give a sermon for the morning.

3. Visual Learners

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

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

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

Display 3b. Data Visualization Tools (Harvard and MIT MOOCs)

Lawrence Biemiller, February 20, 2014, Chronicle of Higher Education

http://chronicle.com/blogs/whatsup/harvard-and-mit-reveal-visualization-tools-for-trove-of-mooc-data/20131230-product_medicines

Reflect 2c. Reflections on Interactive Maps

Mapping the Dead: Gun Deaths Since Sandy Hook, Huffington Post, March 22, 2013

<http://data.huffingtonpost.com/2013/03/gun-deaths>

Reflect 2d. Student Collaborative Knowledge Building and Sharing

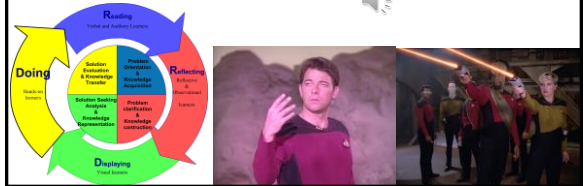
(e.g., Popplet: <http://popplet.com/>)

Display 3e. Video Animations and Simulations



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. Survey Research and Market Analysis (e.g., SurveyShare, Zoomerang, SurveyMonkey)



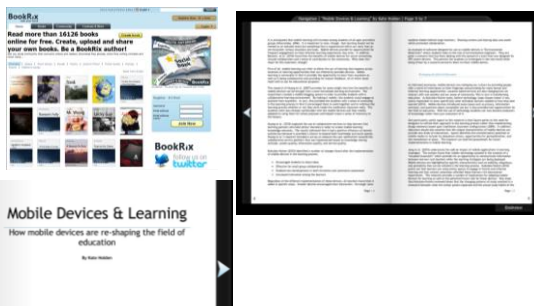
Do 4b. Student Class Documentaries

Umida's R546 Documentary Project

http://www.youtube.com/watch?v=EMLTzqCV_5A

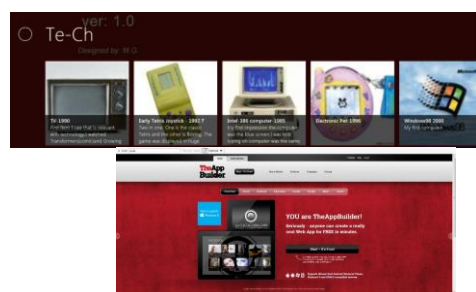


Do 4c. Uploading Mobile Books (e.g., BookRix, <http://www.bookrix.com/>)



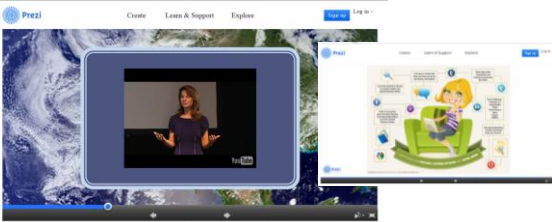
Do 4d. Student Mobile App Creation

The App Builder: <http://www.theappbuilder.com/>
Mintian Guo (April 2013): <http://myapp.is/r685final>



Do 4e. Course Recap Prezi Presentations

Jeff Pankin, MIT, Prezi, Emerging Learning Technologies
<http://prezi.com/1zbaweynfn/emerging-learning-technologies/>
 Jeffrey Barnette, Today's World
<http://prezi.com/-j5yothst-r/r665-final-project>



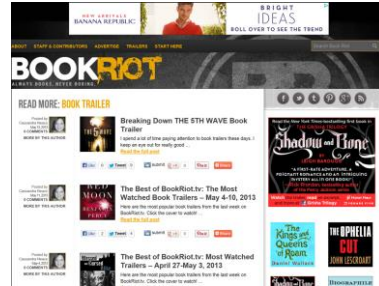
Emerging Learning Technologies

Final Project for EDUC 580C: Emerging Learning Technologies graduate seminar in the IST program at Indiana University Bloomington

More presentations by Jeff Pankin
 View 14 Total 873 Prezi Presentations

Do 4f. Book Trailers for Readers

<http://www.booktrailersforreaders.com/How-to-make-a-book-trailer>
http://www.booksurge.com/content/Video_Book_Trailer_Samples.htm
<http://www.thebooklife.com/2012/01/upcoming-2012-a-book-trailers.html>
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Do 4g. Singing YouTube Summaries

Daniel Halluska, P540, Fall 2011
<http://www.youtube.com/watch?v=tOL7lrGsqnw>



Poll #4:

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

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



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>



Former MIT president Charles M. Vest dies at 72
 An MIT leader from 1990 to 2004, he ignited a period of dynamism.



Any Questions?

Try the R2D2 Model!
 Try TEC-VARIETY too...

Slides at: TrainingShare.com
 Papers: PublicationShare.com



Book: <http://worldisopen.com/>
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