

December 25, 2016

By The Numbers: MOOCs in 2016, Dhawa Shah, Class Central

<https://www.class-central.com/report/mooc-stats-2016/>

Here is a list of top five MOOC providers by registered users:

1. Coursera – 23 million
2. edX – 10 million
3. XuetangX – 6 million
4. FutureLearn – 5.3 million
5. Udacity – 4 million

December 22, 2016

6 Biggest MOOC Trends of 2016, Dhawa Shah, Class Central

<https://www.class-central.com/report/biggest-mooc-trends-2016/>

2. College Credit, Credentials, and Degrees

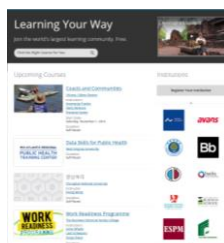
	Credentials	College Credit	Degrees
Coursera	✓	✓	✓
EdX	✓	✓	x
FutureLearn	✓	✓	✓
Udacity	✓	x	✓
Kadenze	✓	✓	x

CLASS CENTRAL

October 29, 2016

Open Education, Blackboard

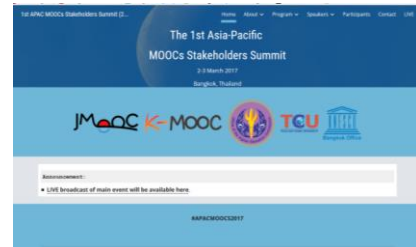
https://openeducation.blackboard.com/home?tab_group_id=12_1



February 2, 2017

MOOCs in Thailand
JMOOC, K-MOOC, and T-MOOC?

<https://sites.google.com/spu.ac.th/1st-apac-moocs-summit/home>



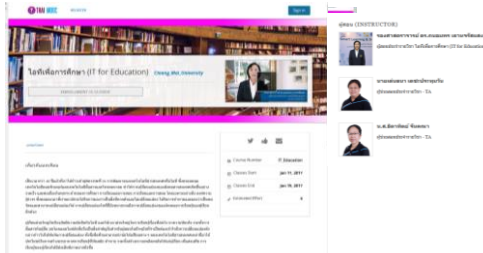
January 17-19, 2017

ThaiMOOC

ไอทีเพื่อการศึกษา (IT for Education)

<https://thaimooc.org/>

https://thaimooc.org/courses/course-v1:Chiang_Mai_University+IT_Education+IT_Education/about



March 1, 2017-April 12, 2017

ThaiMOOC, หลักการจัดการโลจิสติกส์และโซ่อุปทานเบื้องต้น (Introduction to Principles of Logistics and Supply Chain Management)

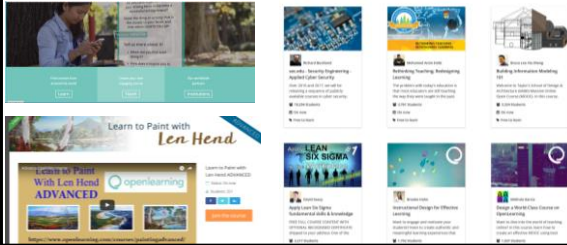
https://thaimooc.org/courses/course-v1:SPU-MOOC+spu002+2007_T1/about



October 29, 2016 OpenLearning (Thailand)

<https://www.openlearning.com/>

Explore over 2,000 courses from around the world



February 23, 2017 MOOCs in Thailand

21st EP8 Cloud Based Web Sites Creation04

<https://www.youtube.com/watch?v=z9rDiDAjZS4&feature=youtu.be>



February 23, 2017 MOOCs in Thailand

21st EP7 Cloud Based Online Documents01

<https://www.youtube.com/watch?v=vgyt0Jbb4Xg>



February 23, 2017 MOOCs in Thailand

21st EP3 Cloud Based Groups04

<https://www.youtube.com/watch?v=fqcE3DTBVeI&feature=youtu.be>



January 31, 2017 MOOCs in Thailand

[TEASER] Introduction of 21st Century Tools | {SPUx MOOCs-002}

<https://www.youtube.com/watch?v=Eh1KCITLUK0>



February 2, 2017 MOOCs in Thailand ep0 begin

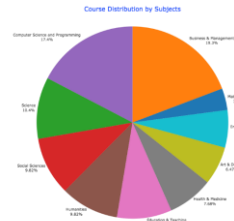
https://www.youtube.com/watch?v=Pexa_2QTPxQ



December 25, 2016

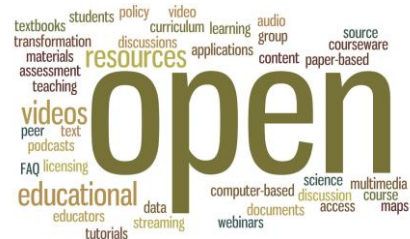
**By The Numbers: MOOCS in 2016, Dhawa Shah,
Class Central**

<https://www.class-central.com/report/mooc-stats-2016/>



Audience Poll #2:

**Who in here has used
Opencourseware?**



Audience Poll #3:

Who in here has taken a MOOC?



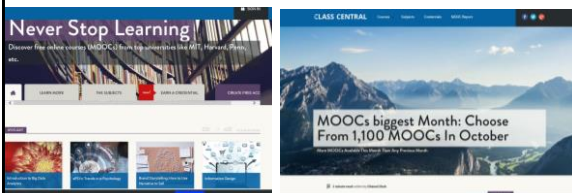
Duke MOOCs Around the World

<https://www.youtube.com/watch?v=nL5QRR6IOU&feature=youtu.be>



Audience Poll #4:

Who in here has taught a MOOC?



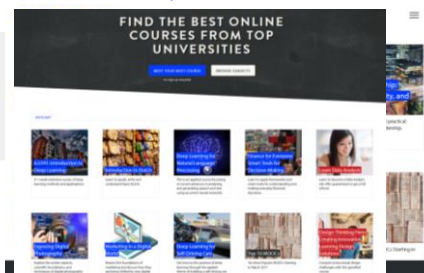
February 26, 2017

MOOC lists:

Class Central, the MOOC list, etc.

<https://www.mooc-list.com/>

<https://www.class-central.com/>



December 18, 2016

Best Online Courses of 2016, Class Central

<https://www.class-central.com/report/best-free-online-courses-2016/>

Around 2,000 courses were offered for the first time in 2016. After analyzing more than 6,000 reviews written by Class Central users, we were able to rank the courses (by the Bayesian average of their ratings) to create this list of the **top-rated free online courses for 2016**.

1. **Coding in your Classroom, Now!** from University of Illinois via EMMIA
2. **Tongshu Chinese: Start Talking with 1.2 Billion People** from Tongshu University via iedX
3. **The Nature of Code** from Processing Foundation via Kadenzi
4. **Introduction to Agent-based Modeling** from Santa Fe Institute via Complexity Explorer
5. **The 3D Printing Revolution** from University of Illinois at Urbana-Champaign via Coursera
6. **Becoming a changemaker: Introduction to Social Innovation** from University of Cape Town via Coursera
7. **Preparing to Manage Human Resources** from University of Minnesota via Coursera
8. **Creative Applications of Deep Learning with TensorFlow** via Kadenzi
9. **Teaching for Change: An African Philosophical Approach** from Stellenbosch University via FutureLearn
10. **Stanford Introduction to Food and Health** from Stanford University via Coursera



January 11, 2016

Maps and the Geospatial Revolution

Anthony C. Robinson, Penn State, Coursera

<https://www.coursera.org/course/maps-and-the-geospatial-revolution>

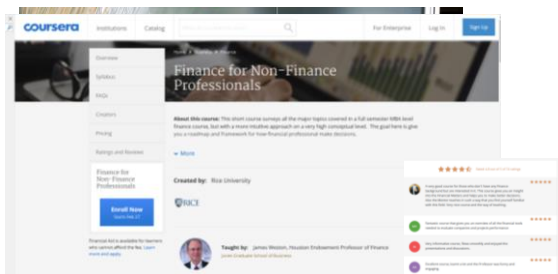


December 30, 2016

Finance for Non-Finance Professionals

James Weston, Rice University, Coursera

<https://www.coursera.org/course/finance-for-non-finance-professionals>



August 30, 2016

Thousands sign up for free online wine course, John Elmes, Wine News

<http://www.dccanter.com/wine-news/online-wine-course-adelaide-325646/>



August 20, 2015

Unique Pedagogy

Syracuse professor offers free 'Star Trek' class to the public, USA Today, Amari D. Pollard, LeMayne College

<http://college.usatoday.com/2015/08/20/syracuse-professor-offers-free-star-trek-class-to-the-public/>



Mobile MOOCs

(e.g., mobile courses on smartphone)





Chapter 18: Canada/COL Balaji Venkataraman

- In the Mooc on mobiles for development the course team received requests from two groups of learners in Sierra Leone and Zambia for the course materials on DVD.
- AgMoocs initiative (<http://www.agmoocs.in/>) uses MookIT platform designed for access in low bandwidth conditions. It includes a functionality for a learner to hear the voice track on a basic mobile phone.

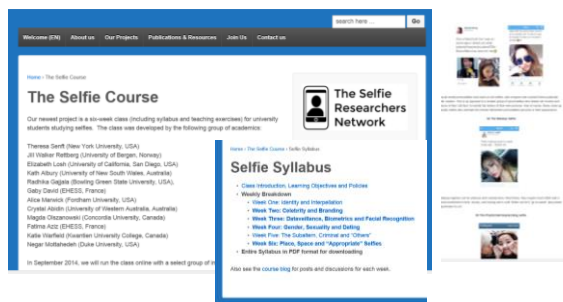
May 20, 2016 agMOOCs (India)

<http://www.agmoocs.in/>



September 2014 The Selfie Course

<http://www.selfieresearchers.com/the-selfie-course/>



MOOCs...

Ten Course/Instructional Design Guidelines



MOOC Instructor Guide #1. Plan and Prepare for the Experience



MOOC Guide #2. Build in Feedback for Each Experience (etc., Peer, Machine, Volunteer, and Self-Assessment)



MOOC Guide #3. Create Interactivities (e.g., use Polling Questions)

Poll #1:
Where are you now?

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



Poll #1: Where are you now?

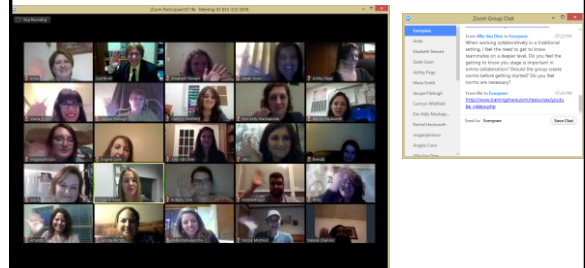
MOOC Guide #4. Provide Variation and Choice



MOOC Guide #5. Combine Sync and Async Instruction (e.g., David Merrill and Charlie Reigeluth)



March 1, 2016 Zoom Tarleton State University, Texas Dr. Credence Baker



MOOC Guide #6. Design Responsive and Interactive Learning Communities



MOOC Guide #7. Offer Weekly Recaps and Updates

Let's
Recap

MOOC Guide #8. Personalize the Activity or Experience Where Possible!



MOOC Guide #9. Engage in Resource Sharing



MOOC Guide #10. Be Willing to Change Midstream.



Masterclass Part 1: Adding Some TEC-VARIETY for Online Motivation and Retention

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



February 23, 2017 CoConqr Online Learning Report 2017

<https://info.goconqr.com/files/2017/02/GoConqr-2017-Online-Learning-Report.pdf>

GoConqr
Online
Learning
Report
2017

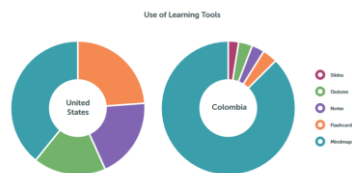
Key Regional Variances



February 23, 2017 CoConqr Online Learning Report 2017

<https://info.goconqr.com/files/2017/02/GoConqr-2017-Online-Learning-Report.pdf>

Learning & Teaching Styles



January 15, 2017

3 Reasons to Read the Higher Ed Supplement to National EdTech Plan (e.g., conversation starter, examples of innovation, cross-section of expertise) Joshua Kim, Inside Higher Ed

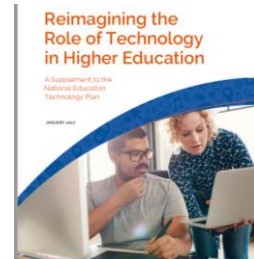
<https://www.insidehighered.com/blogs/technology-and-learning/3-reasons-read-higher-ed-supplement-national-edtech-plan-0>



January 2017

Higher Education Supplement to the National Education Technology Plan U.S. Department of Education, Office of Educational Technology

<https://tech.ed.gov/files/2017/01/Higher-Ed-NETP.pdf>



January 2017

Higher Education Supplement to the National Education Technology Plan U.S. Department of Education, Office of Educational Technology

<https://tech.ed.gov/files/2017/01/Higher-Ed-NETP.pdf>

'New Normal' Students in Higher Education

74% of all undergraduate students have at least one nontraditional characteristic

66% transfer between institutions prior to completion | 62% work either full or part time | 43% attend part time

28% have at least one dependent | 35% are enrolled in two-year colleges | 63% are first-gen students

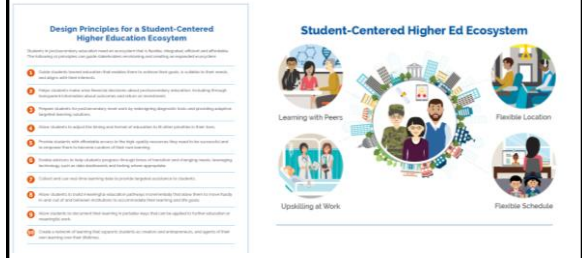
Source: National Center for Education Statistics (NCES) 17



January 2017

Higher Education Supplement to the National Education Technology Plan U.S. Department of Education, Office of Educational Technology

<https://tech.ed.gov/files/2017/01/Higher-Ed-NETP.pdf>



Poll #1: How many of you cannot keep up with educational technology reports and are frustrated?



January 7, 2017

Overworked? Join the club. Here's how to handle It.

Laura Petrecca, USA Today

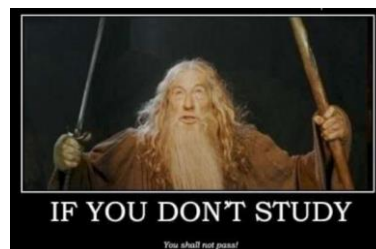
<http://www.usatoday.com/story/money/2017/01/07/overworked-americans/96235044/>



Needed: New Models of Motivation and Engagement



Poll #2: Do you know what happens to sleeping students?



September 11, 2016 Welcome, Freshmen. Look at Me When I Talk to You

Jonathan Zimmerman, The Chronicle of Higher Education
<http://www.giite.education/events/2017conference/>



No, Banning Laptops Is Not the Answer

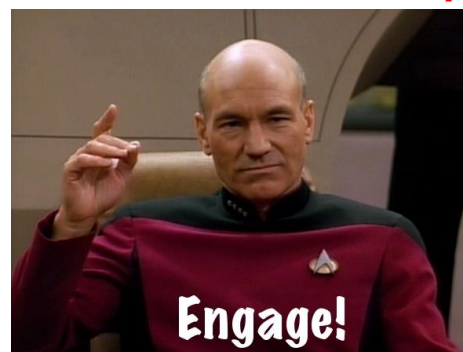
And it's just as pointless to condemn any ban on electronic devices in the classroom.

By James M. Lang | SEPTEMBER 11, 2016

Too many of our students are distracted by devices. We all know this. In recent months the problem has been vigorously debated whether to solve that problem by banning any and all electronic devices from the classroom. Laptops have been exempt since to that debate.

Most faculty members allow students to use cell phones, tablets, and other hand-held devices only for very limited purposes (such as taking notes) — if at all. Laptops, for example, have been banned.

What did Jean-Luc Picard say?



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.



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.



Poll #3: Million Dollar Question:
What words come to mind when I say
that I want to motivate learners?



**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

**Introducing the free "TEC-VARIETY"
Framework...**

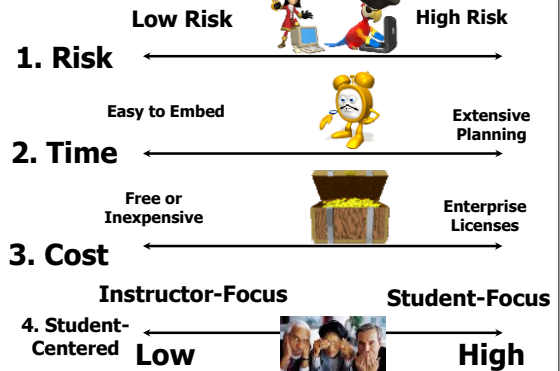
<http://tec-variety.com/>
<http://tec-variety.com/TEC-VARIETY-Chinese.pdf>



**在线学习动机与激励:
TEC-VARIETY 模型**

——激励和留住在线学习者的 100 个活动

作者: Curtis J Bonk & Elaine Khoo IU



Examples of TEC-VARIETY



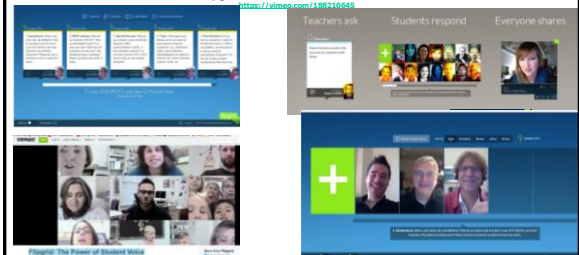
November 10, 2016

1. Tone/Climate:

**A. Threaded Video Discussions and Questions
(e.g., Flipgrid)**

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

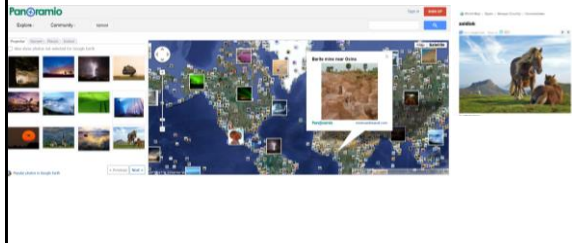
Flipgrid: The Power of Student Voice



1. Tone/Climate:

B. Share Visuals of Favorite Places (e.g., Panoramio)

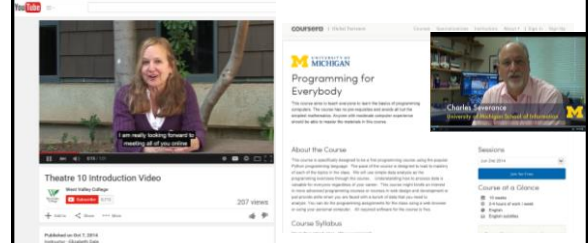
<http://www.panoramio.com/>



1. Tone/Climate:

C. Instructor Course Introductions

(Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)
<https://www.youtube.com/watch?v=Wzbzc30iIA>
 Chuck Severance, U Michigan/Coursera) in Barcelona
<http://www.youtube.com/watch?v=JzNHvMsv87I>
 Chuck Severance, University of Michigan
<https://www.coursera.org/course/pythonlearn>



2. Encouragement, Feedback:

A. Demonstrations and Tutorials (e.g., Jing, Screenr, GoView, Screencast-o-matic, etc.)

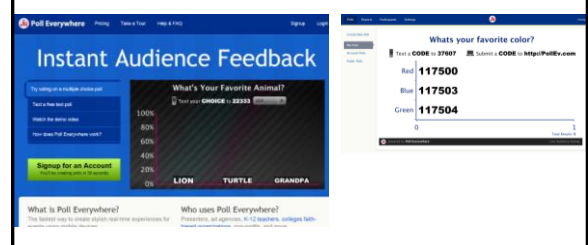
<http://inside.iub.edu/features/videos/2014-05-29-inub-vid-cib.shtml>



2. Encouragement, Feedback:

B. Blog and Website Polling (e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)

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

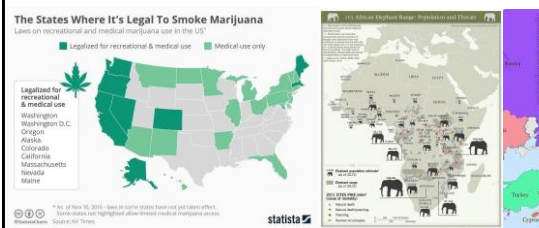


January 8, 2017

3. Curiosity, Surprise, Intrigue, Unknowns:

A. Summary and Comparison Maps #GeoawesomeMapOfTheDay

<https://twitter.com/geoawesomeness>
<https://www.instagram.com/p/BNwgvJfDq3/>
<https://twitter.com/hashtag/GeoawesomeMapOfTheDay?src=hash>



3. Curiosity, Intrigue, Unknowns:

B. Multimedia News

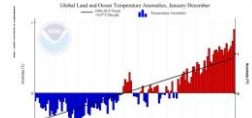
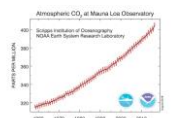
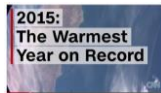
(e.g., This may be the oldest surviving Photo of a human, November 7, 2014, CNN, Brandon Griggs; But this image, taken in Paris, France, in 1838)

http://www.cnn.com/2014/11/06/living/oldest-photograph-human-daguerra/index.html?hpt=hp_4_kong



August 24, 2016 3. Curiosity, Intrigue, Unknowns: C. Multimedia News

Changing opinions on climate change, from a
CNN meteorologist, Chad Meyers, CNN
<http://www.cnn.com/2016/08/24/opinions/chad-meyers-climate-change-weather/index.html>



January 17, 2016 3. Curiosity, Surprise, Intrigue, Unknowns: D. World Records in the News

http://www.cnn.com/2014/12/17/health/healthy-aging/index.html?hpt=hp_12
http://cnn.as.com/sports/embarcos/story_131/879487/fauja-singh-101-cnn-career-106-fauja-singh
http://en.wikipedia.org/wiki/Fauja_Singh
<http://www.sbs.com.au/yourlanguage/hindi/en/articles/2016/01/17/104-year-old-fauja-singh-runs-mumbai-marathon>

People who feel younger at heart live longer

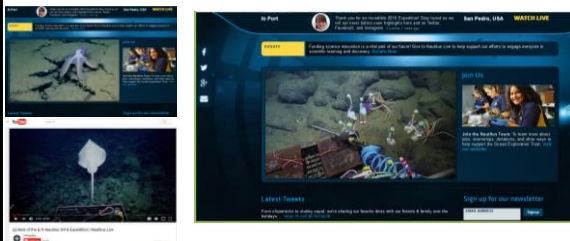


Fauja Singh, 101, finishes last race



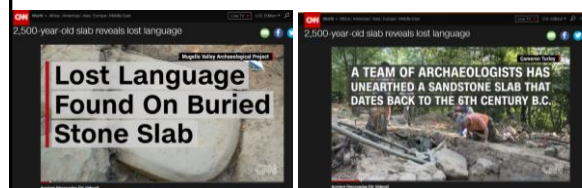
September 16, 2016 3. Curiosity, Intrigue, Unknowns: E. Live Science

Best of the E/V Nautilus 2016 Expedition | Nautilus Live
(video: 32:28)
<http://www.nautiluslive.org/>
<https://www.youtube.com/watch?v=Ht-412PKHmU>



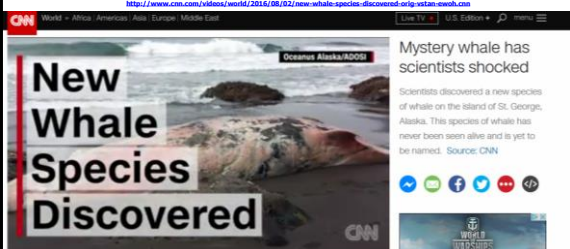
April 1, 2016 3. Curiosity, Intrigue, Unknowns: F. Groundbreaking Science

(e.g., 2,500-year-old slab reveals lost language, CNN)
(A team of scientists have uncovered a 2,500-year-old slab that may reveal details about the ancient Etruscan civilization; found in Temple foundation north of Florence, Italy.)
<http://www.cnn.com/videos/world/2016/04/01/italy-etruscan-slab-find-orig-volcan-cnn>



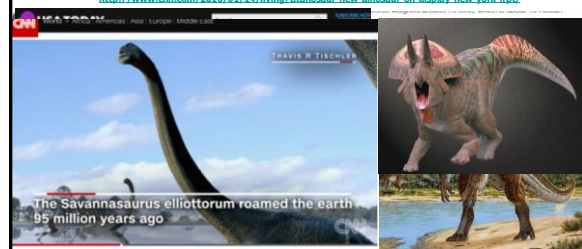
August 2, 2016 3. Curiosity, Intrigue, Unknowns: G. Immediate Science

Mystery whale has scientists shocked,
New Whale Species Discovered, CNN
<http://www.cnn.com/videos/world/2016/08/02/new-whale-species-discovered-orig-volcan-etruscan-cnn>



January 5, 2017 3. Curiosity, Intrigue, Unknowns: H. Immediate Science

Move over T. rex, new dinosaur unveiled, Amanda Jackson, CNN
<http://www.cnn.com/2016/01/14/living/titanosaurus-new-dinosaur-on-display-new-york-orig/>



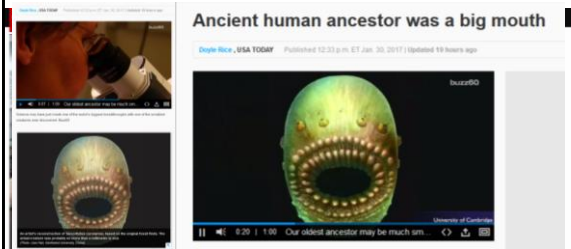
February 16, 2017

3. Curiosity, Intrigue, Unknowns:

I. Immediate Science

Woolly Mammoth Could Be 'De-Extinct' In 2 Years, Scientist Says
Hillary Hansan, CNN (video: 3:22)

http://www.huffingtonpost.com/entry/woolly-mammoth-extinct_us_58a62a7e46037d17a2645779e49d282pousor&https://www.huffingtonpost.com/entry/woolly-mammoth-extinct_us_58a62a7e46037d17a264577



February 19, 2017

3. Curiosity, Intrigue, Unknowns:

J. New Theories in the News

We thought New Zealand was an island nation. Scientists say it's the tip of a 'hidden continent.'
Avi Seik, The Washington Post

<http://www.denverpost.com/2017/02/19/new-zealand-zealandia/>



February 16, 2017

3. Curiosity, Intrigue, Unknowns:

K. Crowdsourced Science

NASA wants you — to find a missing planet

Doyle Rice, USA Today (includes 1:09 video)

<http://www.usatoday.com/story/tech/sciencefair/2017/02/16/planet-9-nasa/58007144/>

Astronomers discover 7 Earth-sized planets orbiting nearby star



Poll #4:

Which of these ideas might you use?

- A. Threaded video discussions (e.g., Flipgrid)
- B. Video introductions (instructor or student)
- C. Demonstrations and tutorials (Jing, Screnr, etc.)
- D. Voice/Audio feedback (Vocaroo)
- E. Crowdsourced Science
- F. Something in the News
- G. Summary and Comparison Maps
- H. Immediate Science



4. Variety, Novelty, Fun, Fantasy:

A. 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 42:



Timestamp: 2011-08-13 01:04:43 UTC

Dice Roller

You rolled 2 dice:



Timestamp: 2011-08-13 01:14

RANDOM.O

List Randomizer

Random Sequence Generator

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

Here is your sequence:

1. 1 Bill

2. 9 Arthur

3. 10 Thomas

4. 2 Shelley

5. 7 Sharon

6. 3 Sherman

7. 5 Sander

8. 8 Stephanie

9. 4 Ned

10. 6 Brian

Timestamp: 2011-08-13 01:10

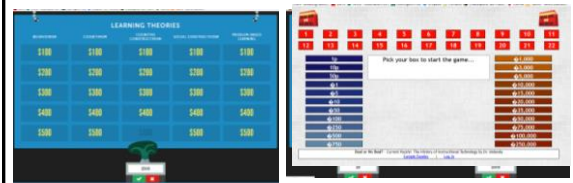
October 5, 2016

4. Variety, Novelty, Fun, Fantasy:

B. Online Test/Quiz Review Games

(e.g., Jeopardy Rocks)

<https://www.jeopardy.rock/r511merve/>



4. Variety, Novelty, Fun, Fantasy:

C. Voice/Audio Feedback

Vocaroo: <http://vocaroo.com/>
<http://vocaroo.com/delete/s0x8moQAYAiU/a37bbc9408bb8c95>
 (Recorded by Curt Bonk for the Open University of China)



4. Variety, Novelty, Fun, Fantasy:

D. Video Editing and Commenting Tools (e.g., TubeChop)

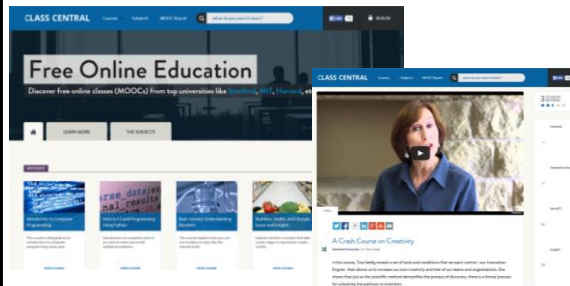
How Does It Work?



1. Find the video you want to chop.
2. Select & cut interesting part of the video.
3. Share it with friends.

Watch Examples

5. Autonomy, Choice: A. Enroll in a MOOC and Reflect (e.g., see Class Central)



February 2, 2017 5. Autonomy, Choice: B. Explore/Browse a MOOC Super-Earths And Life Learn about alien life, how we search for it, and what this teaches us about our place in the universe.

<https://www.edx.org/course/super-earths-life-harvardx-spu30x-1>



February 17, 2017 5. Autonomy, Choice: C. Explore Online Databases (e.g., OER World Map <https://oerworldmap.org/>)



December 8, 2015 5. Autonomy, Choice: D. Design Multimedia Glossaries

P540 Final Assignment: Nate Wynne, Supersized Personal Course Glossary
<http://natewynne1982.wix.com/p540courseglossary>

Ozgur Ozdemir, December 2012

<http://r685glossary.shutterstock.com/>

Umida Khikmatillaeva, Dec. 2011, P540

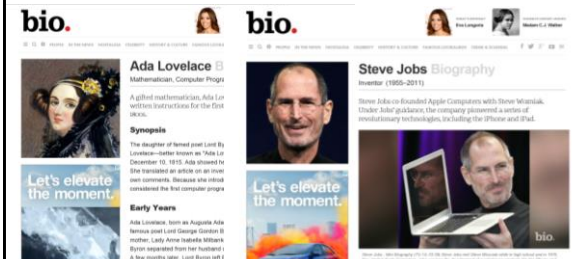
<http://learningplanet.shutterstock.com/>



5. Autonomy, Choice:

E. Tracking the Life of a Computer Scientist (e.g., bio.com)

<http://www.biography.com/people/steve-jobs-9354805>
<http://www.biography.com/people/ada-lovelace-20825323>



March 13, 2015

5. Autonomy, Choice:

F. 20% Time in Education

Kendal Rasnake & Troy Cockrum, IU

https://www.dropbox.com/s/tcar5oe2lcpvuk/20_Time_in_Education-Cockrum_and_Rasnake.mov?n=57312573



Poll #5:

Any light bulbs going off in your head so far...?

- A. Yes definitely***
- B. Yes maybe!
- C. Not yet (but hopefully soon...)



6. Relevance, Meaningfulness:

A. Weekly Synchronous Guest Chats

(e.g., Emily Hixon, January 20, 2015)
<https://connect.iu.edu/p259wpiabg9/>



Jan. 20, Oct. 13, & Nov. 2016 (Zoom)

6. Relevance, Meaningfulness:

B. Weekly Guest Expert Chats

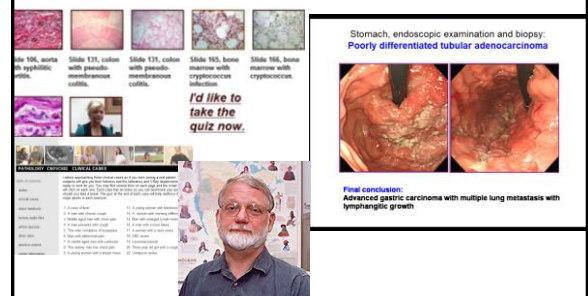
R511 Chat with Mike Molenda, IU



6. Relevance, Meaningfulness:

C. Case-Based Learning: Instructor Cases

(e.g., Mark Braun, IU)



September 20, 2016

6. Relevance, Meaningfulness: D. Editing Wikipedia Pages

College students take to Wikipedia to rewrite the wrongs of Internet science, Rosanna Xia, LA Times
<http://www.latimes.com/local/lanow/la-me-wikipedia-science-classes-adv-anap-story.html>

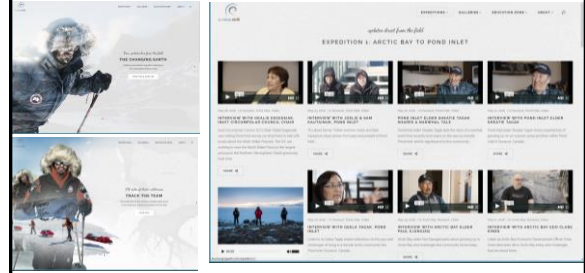


Samantha Erickson, left, of the Wiki Education Foundation; Tina Brock, a dean of the School of Pharmacy at UC San Francisco; and professor Amin Azzam discuss implementing the integration of Wikipedia pages on medical topics with students' work. (David Butow / For The Times)

January 20, 2017

6. Relevance, Meaningfulness: E. The Changing Earth

<http://thechangingearth.com/>



7. Interactive, Collaborative:

A. Negotiate Meanings Online

(e.g., PiratePad: <http://meetingwords.com/>)
<http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/>
 MeetingWords, Google Docs, NowComment, MixedInk



7. Interactive, Collaborative:

B. Virtual Sharing Walls

e.g., Padlet (What is your secret recipe to engage?)
http://padlet.com/zaid_alsagoff/engage



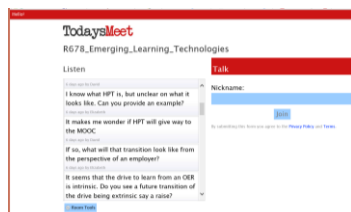
7. Interactive, Collaborative:

C. Backchannel Chat (TodaysMeet)

<https://todaysmeet.com/>

R678_Emerging_Learning_Technologies

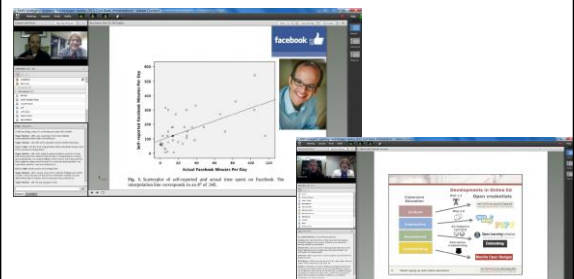
https://todaysmeet.com/R678_Emerging_Learning_Technologies



7. Interactive, Collaborative:

D. Guest Speaker Quotes

(Rey Junco, February 25, 2013)



[illegible]

December 13, 2016

9. Tension, Challenge, Controversy, etc.:

A. Controversial Issue Debates

Librarians for Instructional Technology, Latrice Booker, R511, Fall 2016

<http://bookerlr2000.wixsite.com/librariansforit/cognitivism>
R511 Multimedia Video How to Create an Authentic Environment in a Content-Driven School? R511, Nick and Nik
https://www.youtube.com/watch?v=9cBz-4T7_u0@latricebooker



The screenshot shows a video player interface. At the top, the text 'LIBRARIANS FOR INSTRUCTIONAL TECHNOLOGY' is visible. Below this, two men are shown from the chest up. The man on the left is labeled '(constructivist)' and the man on the right is labeled '(behavioralist)'. A large speech bubble is positioned between them, containing a pile of books and the text 'You might be onto something... !?'. The video player controls at the bottom show a progress bar and a play button.

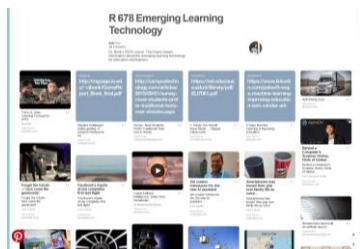
October 16, 2015
9. Tension, Challenge, Controversy, etc.:
B. Case Learning from the News
 (e.g., Newseum Ed)
<https://newseum.edu/>



10. Yields Products, Goals:
A. Facebook Course Page (R546)
<https://www.facebook.com/JennyBELTT/>

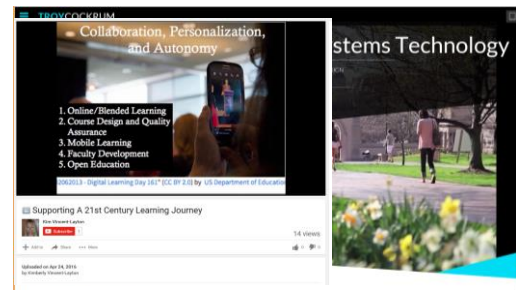


10. Yields Products, Goals:
B. Database Collection Tools
Design Article Database in Pinterest,
Meina Zhu and Jennifer Weebeck
<https://www.pinterest.com/zumeina0000/r-678-emerging-learning-technology/>
<https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/>

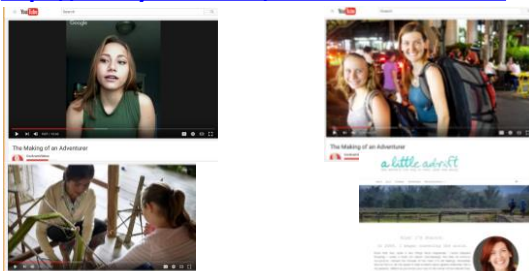


10. Yields Products, Goals:
C. Student Created Recap Videos

Piercarlo Abate: <http://www.youtube.com/watch?v=-1URz4i00aU>
 Qi Li, Gangnam: <http://www.youtube.com/watch?v=7Q429tpZaU8&feature=youtu.be>
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9iW8>
 Kendal Rasnahe (Is IT Right For You?): <https://www.youtube.com/watch?v=H33GUD1CIGw>
 Kimberly Vincent-Larkin: https://www.youtube.com/watch?v=8t5C8_7V1U&list=PL8888888888888888



10. Yields Products, Goals:
D. Student Created Documentaries
R678 Final Projects, April 2016
The Making of an Adventurer (video), Troy Cockrum
<https://www.youtube.com/watch?v=ew6e7Chd9I8>



March 12, 2016
10. Yields Products, Goals:
E. Student Generated Timelines,
Taxonomies, and Concept Maps

R678 John Falchi, Timeglider, An Abbreviated History of Distance Education
http://timeglider.com/t/50843d8903a48008?min_zoom=1&max_zoom=100



December 13, 2016

10. Yields Products, Goals:

F. Student Infographics, Charts, and Maps (e.g., Piktochart)

Brittany Campbell, Brooke Welti, Kevin McCracken, R511, Fall 2016
<https://magic.piktochart.com/output/18501778-r511?presentation=true>



Poll #7:

Which of these ideas might you use?

- A. Interactive map timelines
- B. Facebook course page (or Pinterest)
- C. Issue challenges, role plays, and debates
- D. Student designed course recap videos
- E. Student created websites
- F. Student infographics
- G. Interactive timeline tools
- H. Videos with test questions



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 motivates?

1. Tone/Climate: Psychological Safety, Comfort, Sense of 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. Interactivity: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Investment
9. Tension: Challenge, Dissonance, Controversy
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership

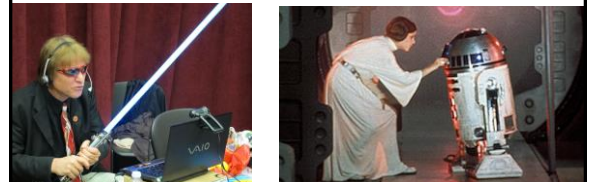
Masterclass Part 2:

Where are You R2D2?: Addressing Diverse Online Learner Needs with the Read, Reflect, Display, and Do Model

Curt Bonk, Professor, Indiana University

cjbonk@indiana.edu

<http://mypage.iu.edu/~cjbonk>



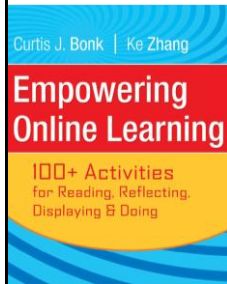
Addressing Learning Styles with R2D2



Question: How can technology address diverse learner needs?



Model #2: The R2D2 Model: Read, Reflect, Display, Do...

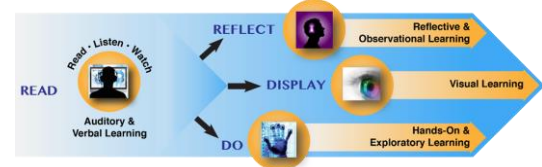


August 12, 2015

Create Engaging Learning Experiences

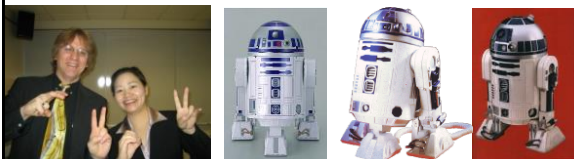
Image adapted from Bonk, C.J. & Zhang, K. (2008). Empowering online learning: 100+ activities for reading, reflecting, displaying, & doing. San Francisco, CA: Jossey-Bass.

Southern Illinois University, Carbondale, Illinois
Heidi Jung and Cheryl L Bosarge
Instructional Designer
Center for Teaching Excellence
Heidi Lynn Jung hjung@siu.edu
Cheryl L Bosarge cbosarge@siu.edu



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.



January 20, 2016
Read 1a. Podcasts

IU Bloomington podcast series to launch Jan. 24, Steve Hinnefeld, IU Newsroom

http://inside.indiana.edu/handlines/2016-01-20-new-campus-podcast.html?utm_source=2016-01-20&utm_medium=newsletter&utm_campaign=Something-in-the-air&utm_term=.2016-inside-sub-distribution



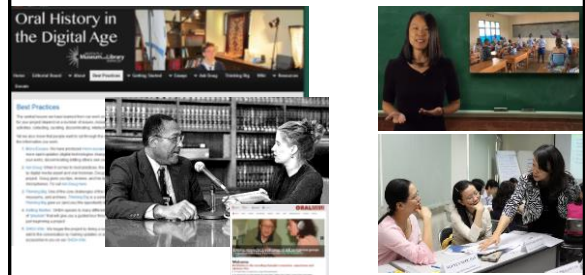
IU's Media School dean James Shanahan, at left, will host a new campus podcast. Senior Luqmann Ruth will read the news for the inaugural podcast. | PHOTO BY JENNIFER PIUREK, OFFICE OF THE PROVOST

Read 1b. Collect Oral Histories

e.g., Joan Kang Shin, George Mason University, has her students write "This I believe" Statements.

(EFL teachers around the world interview elders in their community for a rich database of oral histories and documentaries for social change)

Oral History Society: <http://www.ohs.org.uk/>



Read 1c.**Exploring Various Resources to Track the Life of a Prominent People**

(e.g., Vannevar Bush in Atlantic Monthly, Wikipedia, Time, etc.)

http://en.wikipedia.org/wiki/Vannevar_Bush

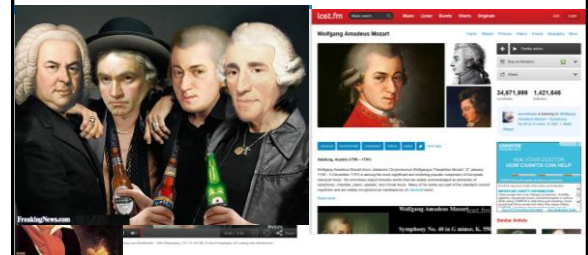
JULY 1945

As We May Think

VANNEVAR BUSH | JUL 1 1945, 12:00 PM ET

**Read 1d.****Reading Life Histories**

(OER, bio.com; Mozart:)

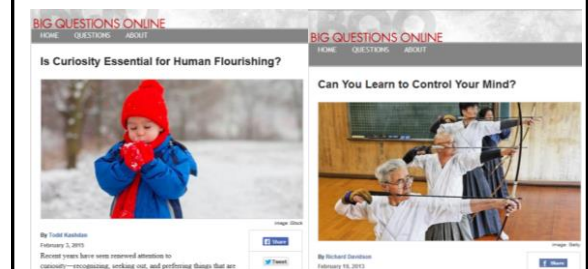
<http://www.mozartproject.org/>)<http://www.biography.com/people/bob-marley-9399524>**May 28, 2015****Read 1e. Open Access Scientific Reports/Studies****New species from Ethiopia further expands Middle Pliocene hominin diversity, Nature**<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html><http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html>**May 28, 2015****Read 1e. Immediate Science****Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN**<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.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)), Feb 3, 2015

(e.g., Is curiosity essential for human flourishing?)

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

October 6, 2016
Reflect 2b. What-if Reflections
What if Aaron Burr had missed Alexander Hamilton?, Thomas Fleming, CNN

<http://www.cnn.com/2016/10/06/politics/alexander-hamilton-aaron-burr-died-missed/index.html>

What if Aaron Burr had missed Alexander Hamilton?

By Thomas Fleming for CNN
 © Associated Press/ABC, The October 6, 2016



September 21, 2016
Reflect 2c. Discussion Starter News Stories

(e.g., Aboriginal Australians are Earth's oldest civilization: DNA study, Emiko Jozuka, CNN)

<http://edition.cnn.com/2016/09/22/asia/indigenous-australians-earths-oldest-civilization/index.html>



Elder Thomas Wales, of the Thanakwith Pine River People, is one of the co-authors of the study.

January 12, 2017
Reflect 2d. Sharing Future Forecasts and Projections

Meet the giants of tomorrow: The tallest buildings rising in 2017, Ian Spula, CNN

<http://www.cnn.com/2017/01/11/architecture/tallest-buildings-top-out-2017/>

Meet the giants of tomorrow: The tallest buildings rising in 2017

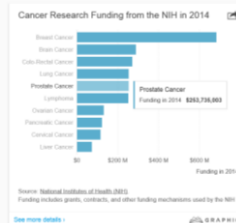
By Ian Spula for CNN
 © Associated Press/ABC, The January 12, 2017



April 13, 2016
Reflect 2e. Interpreting Interactive Graphs

Tech billionaire announces \$250 million in cancer immunotherapy funding, Jayne O'Donnell, USA Today

<http://www.usatoday.com/story/news/2016/04/13/billionaire-announces-250-million-cancer-immunotherapy-funding/82821196/>



Dr. Jedd D. Wolchok, Chief, Melanoma and Immunotherapeutics Service at Memorial Sloan Kettering Cancer Center in Photo by John OBoyle, Freelance ORG XMIT: JO 134700 seanparkar 4/7/2016 [Via MerlinFTP Drop]

Reflect 2f. 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)

Dr. Kim Foreman, San Francisco State University

Dr. Kim Foreman, San Francisco State University

Dr. Kim Foreman, San Francisco State University

Dr. Kim Foreman, San Francisco State University

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Dr. Kim Foreman, San Francisco State University

Dr. Kim Foreman, San Francisco State University

Dr. Kim Foreman, San Francisco State University

Reflect 2g. Workplace Internship, Practicum, and Field Experiences



3. Visual Learners

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



Display 3a. Interpreting Infographics

August 5, 2015

How much rainforest in that chocolate bar?
Global Forest Watch, Nancy Harris, Octavia Payne and Sarah Mann
<http://blog.globalforestwatch.org/2015/08/how-much-rainforest-is-in-that-chocolate-bar/>



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



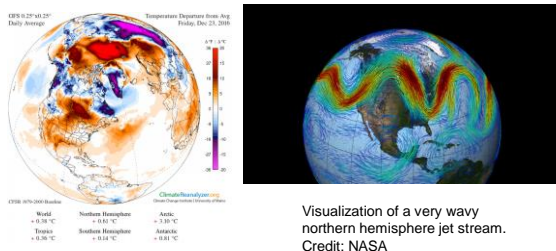
Display 3c. Map Animations Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice

Christine Dell'Amore, National Geographic, August 3, 2015
<http://news.nationalgeographic.com/2015/08/03/christine-dell-amore-our-atlas-to-reflect-shrinking-ice/>

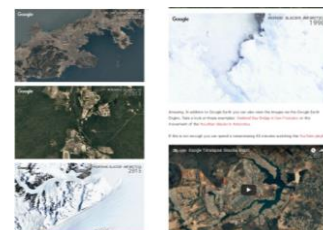


December 23, 2016 Display 3d. Global Data Visualizations

The Arctic is showing stunning winter warmth, and these scientists think they know why, Charles Mooney, Washington Post
<https://www.washingtonpost.com/news/energy-environment/wp/2016/12/23/the-arctic-is-better-than-we-think-and-these-scientists-think-they-know-why/>



December 2, 2016 Display 3e. Global Data Visualizations With Google Earth Timelapse you can now view 32 years of Landsat satellite images, Aleks Buczkowski <http://goaawesomeness.com/google-earth-timelapse-can-now-view-32-years-landsat-satellite-images/>



It's clear that the U.S. economy is heavily concentrated in certain locations (the Northeast, California, Chicago) and less in others (the Heartland and Mountain regions), but what is the precise distribution? How much of the U.S. GDP comes from...

Figure 1 consists of four satellite images of the Thwaites glacier in Antarctica, arranged in a 2x2 grid. The top-left image is labeled '2003' and shows a large, relatively intact ice shelf. The top-right image is labeled '2006' and shows a large iceberg (A-19) calving from the glacier. The bottom-left image is labeled '2015' and shows a significant reduction in the ice shelf's extent. The bottom-right image is labeled '2016' and shows the glacier's leading edge and a large iceberg (A-22) calving.

Language data from INLMS v. 01

[illegible]

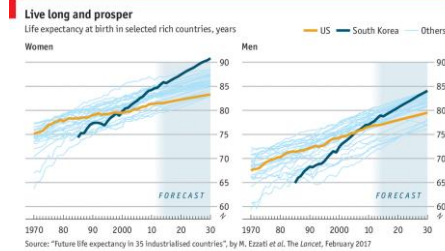
NOVEMBER 9, 2015

Apply Wheel Changes

February 23, 2017

Display 3L. Global Comparison Graphs
(Longevity in rich countries, The Economist; A new study suggests South Koreans will have the world's highest life expectancy by 2030, The Economist)

http://www.economist.com/blogs/graphicdetail/2017/02/daily-chart-4?story=1491643&utm_source=china&utm_medium=china&utm_campaign=china&utm_term=.5



March 2, 2016

Display 3m. Weekly 1 minute Video Updates

(e.g., Pinkcasts from Daniel Pink)

<http://www.danpink.com/pinkcast/>

Pinkcast 2.

Advice from Adam Grant: Look for "disagreeable givers"



October 31, 2014

Display 3n. Live Science

Penguin Science (Penguin Cam) Jean Pennycook
<http://www.penguinscience.com/>
<http://www.thistle.org/pcam2/images.shtml>



December 15, 2016

Display 3o. Interactive Media Timelines

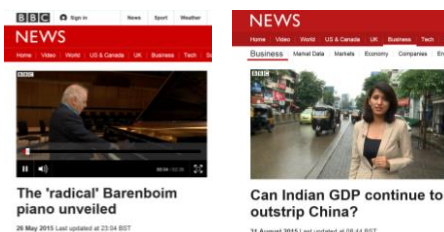
The Digital Era: How 50 years of the information age transformed college forever, Ben Myers & Erica Lusk, The Chronicle of Higher Education
<http://www.chronicle.com/interactives/50-years-of-technology>



Display 3p.

Short Educational Videos:

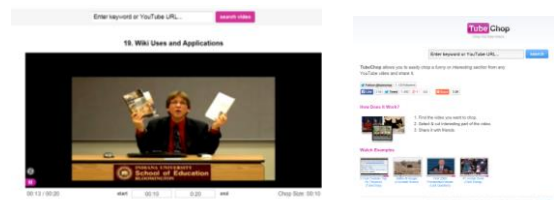
CNN, BBC, TED, TED-Ed, ForATV
BBC One-Minute World News (August 31, 2015)
<http://www.bbc.com/news/business-34105708>



Display 3q. Short Video Anchors

(e.g., TubeChop of V-PORTAL: Video Primers in an Online Repository of e-Teaching and Learning)

Curt Bonk: <http://www.tubechop.com/watch/378752>



March 10, 2016
Display 3r. Videostreamed Conferences
Watch SXSWedu Live, Connie Yowell

http://sxswedu.com/live?utm_campaign=Site+2016&utm_source=social&utm_medium=facebook_content=271444696&utm_content=271444696&utm_medium=facebook_content=271444696&utm_source=social&utm_medium=facebook_content=271444696
<http://www.youtube.com/watch?v=TJWVWQ4ak>



November 12, 2016
Display 3s. Online Documentaries and Films
Drokpa (Yan Chun Su is a self-taught documentary filmmaker currently based in Colorado.)

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



October 6, 2016
Display 3t. Explanatory Videos
Why Governments Should Invest in Innovation, Bill Gates, YouTube (1:19)

<https://www.youtube.com/watch?v=TJWVWQ4ak>

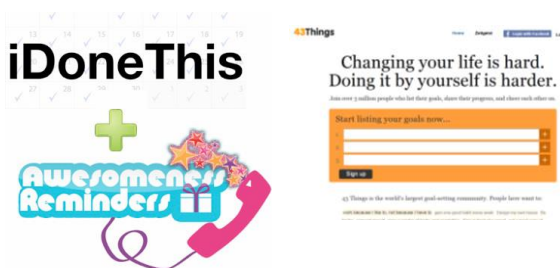


4. Tactile/Kinesthetic Learners

- 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. Goal Setting Tools
 (e.g., I Done This, Milestone Planner, and 43 Things)



October 26, 2016
Do 4b. Student Created Marketing and Explanatory Videos

R511, Kai Westerfield, Jennifer Blankenship, And Colbi Lehman,
 Online Degree Programs, (11:54) Go Animate

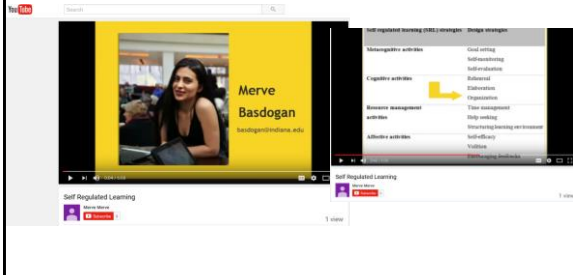


October 26, 2016

Do 4c. Student Exploration Video

R511, Merve Basdogan, Self-Regulated Learning (6:08)

<https://www.youtube.com/watch?v=61fpg6mK1c8&feature=youtu.be#t=3.34653>



October 26, 2016

Do 4d. Student Research Recap Video
R511, Rob Elliot, Erin Milanese, and Patrick Walsh
Traditional Textbook (8:11)

<https://drive.google.com/file/d/0B25ACR9Dd5NE9Dd516RupYw8/view>



Do 4e. Student Website Development

R511 Final Projects, April 2016

IT and HPT Comparison (Website), Doug Hsu

<http://dougandindra.wix.com/r511finalproject>

"IST Construction, Co."

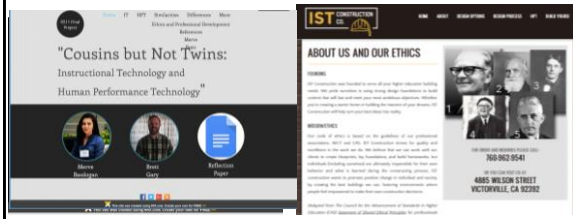
Rob Elliot, Patrick Walsh, Erin Milanese, R511, December 2016

<http://reliott.net/istconstruction/index.php>

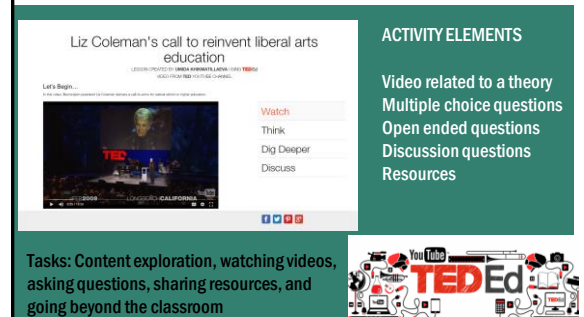
"Cousins but Not Twins: Instructional Technology and Human Performance Technology,"

Merve Basdogan and Brett Gary, R511, December 2016

<http://educbasdogan.wixsite.com/511final>



Do 4f. Using TEDEd Lessons to engage students collaboratively: Teach Theory in Fun way
Frank Di Silvestro & Umida Khikmatillaeva, Adult Ed, IST, IU
January 2017



Poll #8: Which do you prefer...
(A) TEC-VARIETY or (B) R2D2?



What motivates?

1. Task/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement, Feedback, Responsiveness, 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



Poll #9: How many ideas did you get from this talk?

1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.
7. More than 10.



Poll #10: Three Words from this Session...?

**e.g., "I am happy!" and...
My minions are happy!**



**Any Questions or
Comments?**



Slides at: TrainingShare.com

Papers: PublicationShare.com

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

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