

Reuniting The Beach
Planning for a safe return to campus

**Blend but Don't Break:
Introducing the TEC-VARIETY AND R2D2 Models**

**Curtis J. Bonk, IST Professor
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cjbonk@indiana.edu; <http://curtbonk.com/>



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Planning for a safe return to campus

The Best of Beethoven
<https://www.youtube.com/watch?v=W-ffHeTX70Q>



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Reuniting The Beach
Planning for a safe return to campus

May 6, 2020
**IU FAMILY ENSEMBLE - HAIL TO OLD IU,
Indiana University**
3:18 (video): <https://www.youtube.com/watch?v=ynxylm-hf3I>



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Reuniting The Beach
Planning for a safe return to campus

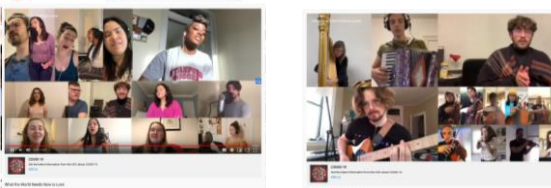
April 3, 2020
Performances canceled, musicians find a way to lift every voice: From elementary school to large symphonies, Annie Aguiar, USA Today
<https://www.usatoday.com/in-depth/news/nation/2020/04/03/coronavirus-canceled-performances-but-virtual-choice-lift-every-voice/293847001/>
Video (44 Seconds): <http://curtbonk.com/corona2.html>



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March 26, 2020
What the World Needs Now is Love
Students at the Boston Conservatory at Berklee created a social distancing rendition of 'What the World Needs Now is Love'
<https://www.youtube.com/watch?v=qv7jiI5ACHw>
2:33 (video): <http://curtbonk.com/wtwnn.html>



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Reuniting The Beach
Planning for a safe return to campus

April 14, 2020
900-Strong Singapore Virtual Choir sings Home (Dick Lee)
<https://www.youtube.com/watch?v=-psK61cafIE&feature=youtu.be>
4:33 (video): <http://curtbonk.com/strong.html>



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Reuniting The Beach
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Poll #1: Have you reflected on your teaching philosophy or approach during COVID-19?

- Yes many times and I am dramatically changing my philosophy statement.
- Yes many times and I am taking action (meeting people, reading more, attending webinars like this, etc.).
- Yes, I thought about it a couple of times and I am tweaking it.
- Not sure. I'm kinda brain dead right now.
- No, my teaching philosophy is basically the same.




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Reuniting The Beach
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Poll #2: Have you even been to an e-learning or online learning conference, institute, or summit?

- Yes many times.
- Yes, once or twice.
- No, but I want to go.
- No. And I am not going to go.



World Conference on E-Learning

9


June 10, 2020

Online Learning Is Not the Future
Peter C. Herman, Inside Higher Ed
<https://www.insidehighered.com/digital-learning/views/2020/06/10/online-learning-not-future-higher-education-opinion>

Online Learning Is Not the Future

Technology advocates may see online teaching as the best path forward, but one important audience of faculty disagrees: students. Peter C. Herman writes.

By Peter C. Herman | June 10, 2020



10

June 16, 2020

Sorry Not Sorry: Online Teaching Is Here to Stay
Flower Darby, The Chronicle of Higher Education
<https://www.chronicle.com/article/Sorry-Not-Sorry-Online/248993>

Sorry Not Sorry: Online Teaching Is Here to Stay

Four reasons you should join the online teaching movement and spend some time this summer polishing your digital skills.

By Flower Darby | June 16, 2020



11

March 19, 2020

COL announces a series of webinars on online learning
<https://www.col.org/news/news/col-announces-series-webinars-online-learning>



12

June 3, 2020
Contact North | Contact Nord Webinars
<https://teachonline.ca/webinars>



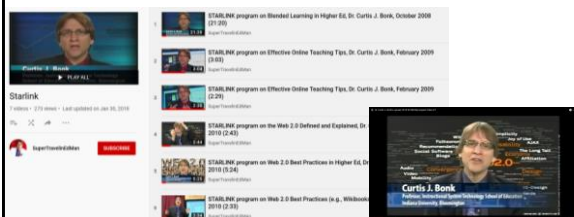
13

March 3, 2020
Keep Teaching, Indiana University
<https://keepteaching.iu.edu/strategies/index.html>



14

April 25, 2020
(SuperTravelinEdMan)
STARLINK programs on Online and Blended Learning and the Web 2.0
October 2008-January 2010
<https://www.youtube.com/playlist?list=PLHcReRoW2xOrKfYXjy3y40ZvccDcwEv>



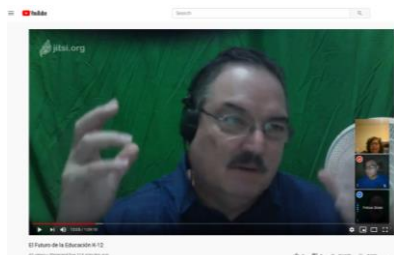
15

March 21, 2020
Silver Lining for Learning
<https://silverliningforlearning.org/>
https://www.youtube.com/channel/UC9XEsh89qrIpmVVPQt-_aA/live



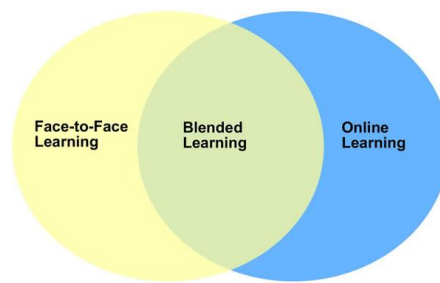
16

May 25, 2020
El Futuro de la Educación K-12,
Dr. Edgar Leon, Caribbean University, Puerto Rico
<https://youtu.be/zXyaoIgbxI8>
<https://www.youtube.com/watch?v=zXyaoIgbxI8&feature=youtu.be>



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Blended Learning



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Blended Model #6. Anchor

(start with FTF or what students are familiar with and then move to online; or the opposite and start online and move to F2F)



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Needed: New Models of Motivation and Engagement



Bihar cheating scandal: What parents in India will do for good grades

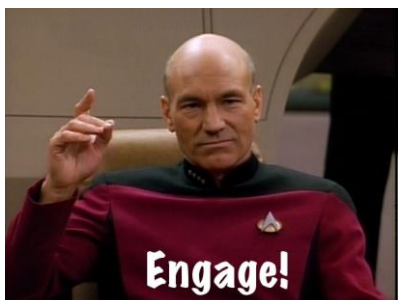


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Reuniting The Beach

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Poll: What did Jean-Luc Picard say?



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Reuniting The Beach

Planning for a safe return to campus

Poll #3: Have you ever taught a blended (face-to-face and online) course?

- Yes many.
- Yes, just a couple.
- No, but I taught one or more technology enhanced ones.
- No but I am willing to try.
- No and I like it that way.



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Reuniting The Beach

Planning for a safe return to campus

Poll #4: Have you ever taught a fully online course?

- Yes, many.
- Yes, just a couple.
- No, but I taught one or more blended ones.
- No but I am willing to try.
- No and I like it that way.



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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.



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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.



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Part 1:

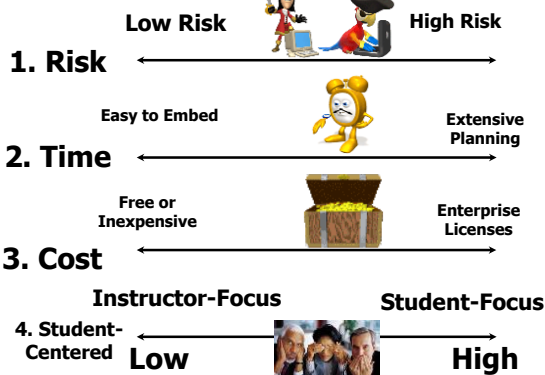
Introducing the TEC-VARIETY Model
(Motto: It’s better than the “TEC-MONOTONY” Model)

<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
——美国弗吉尼亚理工大学 100 个倡议



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Examples of TEC-VARIETY

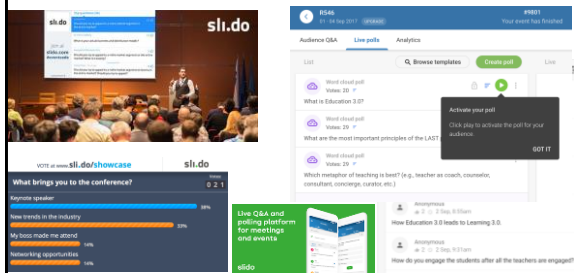


34

April 3, 2017

1. Tone/Climate:

A. Sli.do (students get a code; e.g., 9801)
<https://www.sli.do/>



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April 11, 2020

1. Tone/Climate:

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

<https://techcrunch.com/2018/06/18/microsoft-acquires-social-learning-platform-flipgrid/>



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1. Tone/Climate: C. Instructor Course Introductions

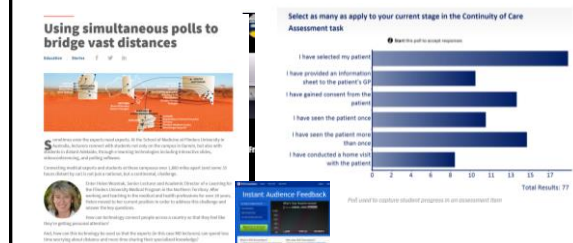
Lynne Innes (Scotland): <https://vimeo.com/356645285>



37

2. Encouragement, Feedback: A. Poll Everywhere, BlogPoll, MicroPoll Connect students across campuses (School of Medicine, Flinders University)

<https://www.poll.everywhere.com/case-studies/distributed-learning>



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2. Encouragement, Feedback: B. Voice/Audio Feedback

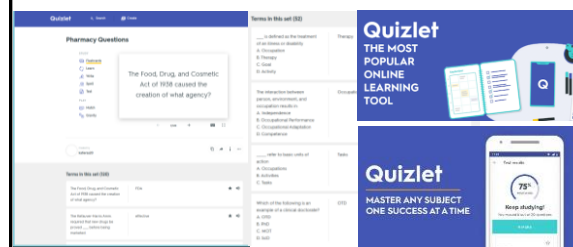
Vocaroo: <http://vocaroo.com/>



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2. Encouragement, Feedback: C. Online Practice Tests and Interactive Flash Cards (e.g., Pharmacy, OT, etc.)

<http://quizlet.com/>



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2. Encouragement, Feedback: D. Video Tutorials, Demonstrations, and How-To's (videos, tutorials, etc.)

(Jing, GoView, Screenr, Overstream, Screencast-o-Matic; http://tec-variety.com/TEC-Variety_links-examples-resources.pdf)



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June 18, 2020 3. Curiosity, Intrigue, Unknowns: A. Multimedia News

New Telco Tower Announced For Sabah Village After Student Taking Online Exams In Tree Goes Viral, Kirat Kaur, TRP News

<https://www.thetrackpost.com/2020/06/18/new-telco-tower-announced-for-sabah-village-after-student-taking-online-exams-in-tree-goes-viral/>



42

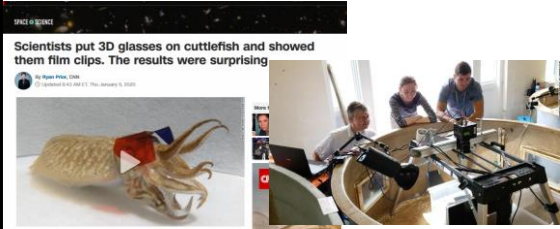
January 9, 2020

3. Curiosity, Intrigue, Unknowns:

- B. Scientists put 3D glasses on cuttlefish and showed them film clips. The results were surprising (Cuttlefish eyes have well-developed depth perception)**

Ryan Prior, CNN

<https://www.cnn.com/2020/01/08/us/3d-glasses-cuttlefish-sc-trnd/index.html>



43

April 29, 2020

3. Curiosity, Intrigue, Unknowns:

- C. 101-year-old woman born during the 1918 flu pandemic beats coronavirus**

N'dea Yancey-Bragg, USA Today

<https://www.usatoday.com/story/news/nation/2020/04/28/coronavirus-101-year-old-beat-coronavirus/5125946299/>
<https://www.cnn.com/2020/04/28/us/woman-101-beat-coronavirus-trnd/index.html>



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April 17, 2017

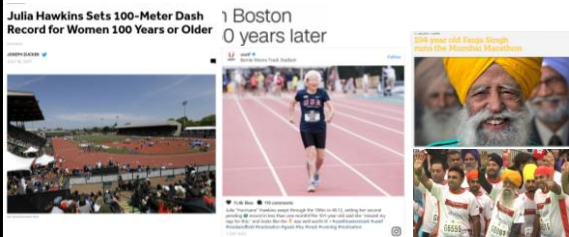
3. Curiosity, Intrigue, Unknowns:

- D. 1st woman to officially run Boston Marathon does it again, 50 years later**
Emanuella Grinberg, CNN, USA Today

<http://www.cnn.com/2017/04/17/us/boston-marathon-kathrine-switzer-trnd/index.html>

July 16, 2017

<http://www.boston.com/news/2017/07/16/julia-hawkins-sets-100-meter-dash-record-for-women-100-years-or-older/>
<http://www.usatoday.com/story/news/nation/2017/07/16/julia-hawkins-sets-100-meter-dash-record-for-women-100-years-or-older/5125946299/>



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3. Curiosity, Intrigue, Unknowns:

E. 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-daguerre/index.html?hpt=hp_t4_kong



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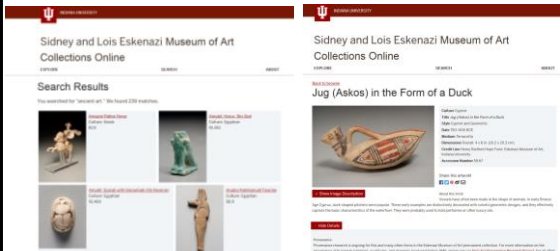
March 2, 2020

3. Curiosity, Intrigue, Unknowns:

- F. Newly launched Collections Online increases access to Eskenazi Museum of Art's works**

Barbara Brosher, IU Press

<https://news.iu.edu/stories/2020/03/iuh/inside/02-eskenazi-museum-of-art-launches-collections-online.html>



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June 27, 2020

4. Variety, Novelty, Fun, Fantasy:

A. Create Animated Presentations

- Animaker is a cloud-based do-it-yourself video maker. Free version provides a lot of characters, props, transitions, and background images.

Example in Turkish: <https://youtu.be/LS20ICbozBQ?t=737>

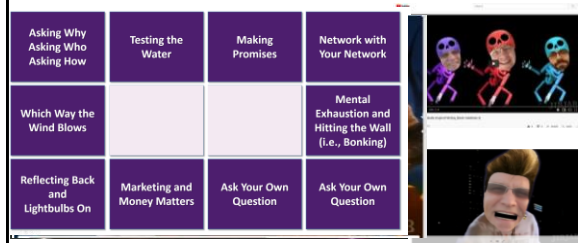


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February 27, 2020
4. Variety, Novelty, Fun, Fantasy:
B. Game Show Style Presentations

Susie Gronseth, University of Houston

https://www.youtube.com/watch?v=ZFXIVA6z_no&feature=youtu.be



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4. Variety, Novelty, Fun, Fantasy:
C. Online Test/Quiz Review Games
 (e.g., Jeopardy Rocks)

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



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4. Variety, Novelty, Fun, Fantasy:
D. Random Lists

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



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February 21, 2017
4. Variety, Novelty, Fun, Fantasy:
E. My classroom is like a,

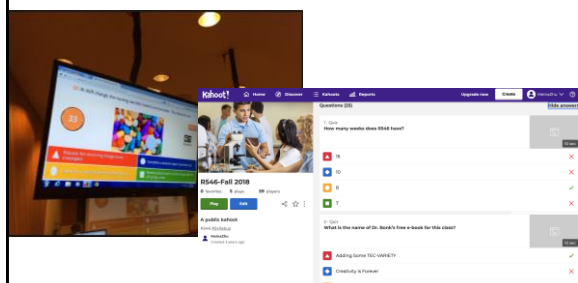
<http://wheeldecide.com/>



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Fall 2018 R546
4. Variety, Novelty, Fun, Fantasy:
F. Kahoot!

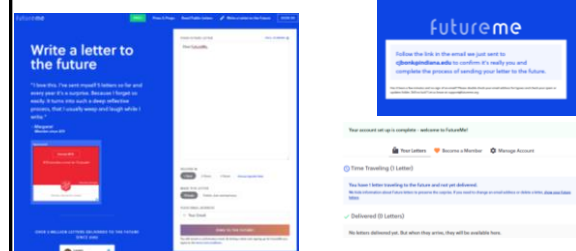
<https://getkahoot.com/>



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October 10, 2018
4. Variety, Novelty, Fun, Fantasy:
G. FutureMe.org
 Write a letter to the future

<https://www.futureme.org/>



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January 14, 2019

5. Autonomy, Choice:

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

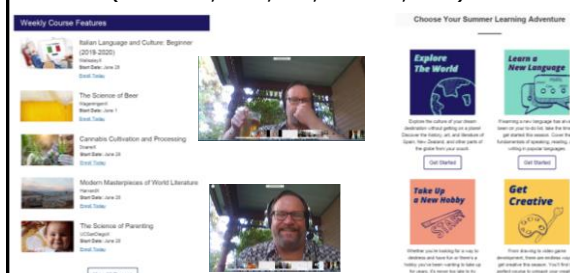
Beer Matters: Karl Brown, Assistant Professor of History
Video: <http://curtbonk.com/beer.html> (1:11); <https://vimeo.com/286408659>
https://www.youtube.com/watch?time_continue=2&v=B4KUPoYNIA&feature=emb_logo
<https://www.edx.org/course/nutrition-exercise-and-sports>



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June 28, 2020

From: edX <news@edx.org>
Sent: Sunday, June 28, 2020 10:04 AM
To: Bonk, Curtis Jay <cjbbonk@indiana.edu>
Subject: There's a summer learning adventure for everyone
(Beer Matters, June 3, 2020, Karl Brown, UW-W)

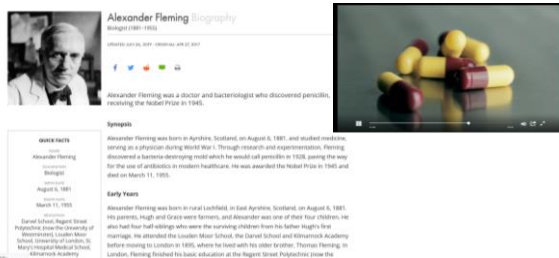


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5. Autonomy, Choice:

B. Tracking the Life of a Medical Professional (e.g., biography.com)

<https://www.biography.com/scientist/alexander-fleming>



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5. Autonomy, Choice:

C. 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/>
Unida Khikmatillaeva, Dec. 2011, P540
<http://learningplanet.shutterstock.com/>

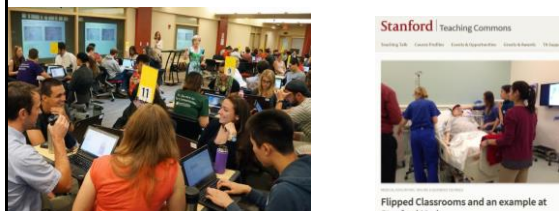


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5. Autonomy, Choice:

D. Flipping the Classroom (video lectures online)

<https://www.youtube.com/watch?v=J7wCK9302>



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Reuniting The Beach

Planning for a safe return to campus

Poll #5: Any light bulbs going off in you head so far?

- Yes definitely...many of them...pop...pop...pop!
- Yes, several times.
- Yes maybe!
- Not yet (but hopefully soon...)
- Nope. Darn it my brain is not working today.
- There's no hope with this idiot presenting.



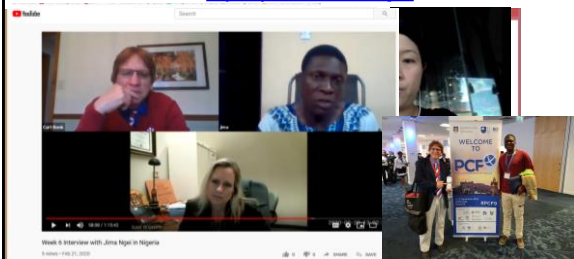
60

April 6 and 28, 2020

6. Relevance, Meaningfulness:

A. Weekly Guest Expert Chats

SMILE, Paul Kim Stanford, <https://youtu.be/bfJDs1hVLU>
February 22, 2020, Jima Ngei in Nigeria (1 hour 15 minutes)
Video: <https://youtu.be/sM6VMsfQJXc>



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6. Relevance, Meaningfulness:

B. Professional Development Videos

Edgar Leon, Puerto Rico, Marisol Hernández Hermina, Animaker
<https://app.animaker.com/animo/2f5b0Hz2qdUR35x4/7eharid-view%7C2b5b0Hz2qdUR35x4>



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6. Relevance, Meaningfulness:

C. Case-Based Learning: Instructor Cases

(e.g., Mark Braun, IU)



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March 20, 2018

6. Relevance, Meaningfulness:

D. Editing Wikipedia Pages

Women's-Studies Students Across the Nation Are Editing Wikipedia
Emma Kerr, The Chronicle of Higher Education
<https://www.chronicle.com/article/Women-s-Studies-Students-24286>

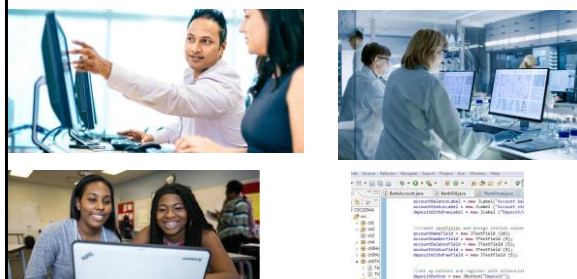


Samantha Erickson, left, of the Wiki Education Foundation; Tina Brock, a dean of the School of Pharmacy at UC San Francisco; and professor Amin Azzam discuss implementing the integration of Wikipedia pages on medical topics with students' work

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6. Relevance, Meaningfulness:

E. Analyzing Online Raw Data (e.g., computer code, health data, financial statements)



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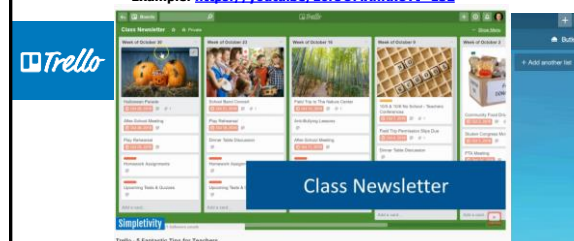
June 27, 2020

7. Interactive, Collaborative:

A. Team Management and Project Coordination

Trello is a team management tool and list-making application to organize online group tasks easily. Trello is for teams to organize team work. However, teachers can use it to manage online group projects or homeschooling activities like in this

Example: <https://youtu.be/L6fUOMXnKxU?t=132>



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April 6, 2020

7. Interactive, Collaborative:

B. Interactive Oral Assessments

Interactive Orals as an alternate authentic assessment,
Danielle Logan, Griffith University
<https://sway.office.com/VQ2s0Bm3ILkWTGII?ref=Link>

Assessment Type	Description	Course	Assessment
Assessment of student	On-line interactive (Interactive Assessment) 100% (100%)	Business 1001 (Business)	Assessment of student
Assessment of student	On-line interactive (Interactive Assessment) 100% (100%)	Business 1001 (Business)	Assessment of student
Assessment of student	On-line interactive (Interactive Assessment) 100% (100%)	Business 1001 (Business)	Assessment of student

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7. Interactive, Collaborative:

C. Negotiate Meanings Online

(e.g., PiratePad: <http://meetingswords.com/>)
<http://libres-don.edu/technology/collaborative-writing-applications-for-groups/projects-on-boards/>
MeetingWords, Google Docs, NowComment, MixedInk

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7. Interactive, Collaborative:

D. Guest Speaker Quotes

(Rey Junco, February 25, 2013)

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Fall 2019, R511

7. Interactive, Collaborative:

E. Team Article Debates

Nuclino (like a wiki...may delete by mistake, trial version, limited)

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7. Interactive, Collaborative:

F. Virtual Mobile (at Virtually Inspired)

virtual laboratory brings the opportunity for remote collaboration enables students to conduct experiments, access, interpret, evaluate, and exchange relevant technical information.
Susan Aldridge, Drexel: <https://virtuallyinspired.org/portfolio/online-virtual-labs/>

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January 2020

8. Engagement, Involvement:

A. Storytelling Strategies for the Design of Branching Virtual Patient Simulations

Kira King et al., Kynectiv
https://2537fa53-bb62-46af-b495-b4548f465090.filesusr.com/ugd/c9d9ce_1a6143533f894ec9a65378423c9b72a4.pdf

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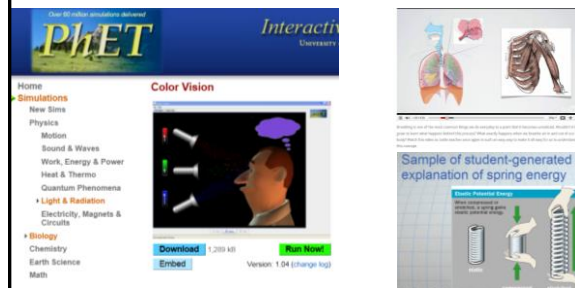
8. Engagement, Involvement: B. Healthcare Scenarios and Simulations



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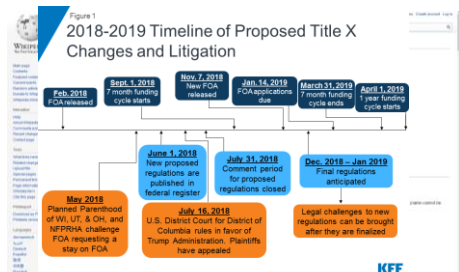
8. Engagement, Involvement: C. Interactive Labs and Simulations

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



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8. Engagement, Involvement: D. Interactive Timelines (Sutori, xtimeline, Preceden, TimeLineCurator, etc.)



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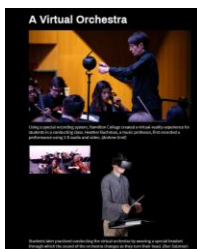
July 23, 2019 8. Engagement, Involvement: E. Explore Historical and Cultural Sites Four World Heritage Sites in VR With MasterWorks Sara Hardman, New Learning Times

<https://newlearningtimes.com/2019/07/23/4-world-heritage-sites-in-vr-with-masterworks/>



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May 28, 2019 8. Engagement, Involvement: F. Virtual Reality Comes to the Classroom Beth McMurtre, The Chronicle of Higher Education <https://www.chronicle.com/interactives/20190528-immersivetech>



Using a special recording system, Hamilton College created a virtual-reality experience for students in a conducting class. Heather Buchman, a music professor, first recorded a performance using 3-D audio and video. (Andrew Groll)

Students later practiced conducting the virtual orchestra by wearing a special headset through which the sound of the orchestra changes as they turn their head. (Ben Salzman)

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May 28, 2019 8. Engagement, Involvement: G. Virtual Reality Comes to the Classroom Beth McMurtre, The Chronicle of Higher Education <https://www.chronicle.com/interactives/20190528-immersivetech> A virtual-reality experience for students in a conducting class. <http://courbook.com/virtual-3d.htm> A group of students could gather around a virtual heart: <http://courbook.com/virtual-3d.htm>



Unlike VR headsets, augmented-reality glasses allow users to see the world around them, opening up possibilities for shared learning experiences. A group of students could gather around a virtual heart as their professor takes it apart to show them the components. (Microsoft)

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9. Tension, Challenge, Controversy, etc.: A. Controversial Issue Debates



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9. Tension, Challenge, Controversy, etc.: B. Embodied VR Experiences

<https://embodiedlabs.com/labs> One example is pasted below.
Topic: End of Life Conversations

Summary: The learner will embody Clay Crowder, a 66-year old veteran with stage IV, incurable lung cancer.
Learning Outcomes: Experience what it is like to receive "bad news" from your doctor, and discuss your options. Have conversations with your family and members of the healthcare team about transitioning to hospice care. Get assistance from the hospice care team in understanding your symptoms and conflicts that may occur within your family. See the physical changes inside your body as it nears the end of life. Experience what may happen at the end of your life.



Embodied VR Experiences

Our technology, research-based VR experiences allow caregivers, staff, and students to embody a person with a specific condition and learn what it's like to walk in their shoes.

Our Approach to VR Storytelling



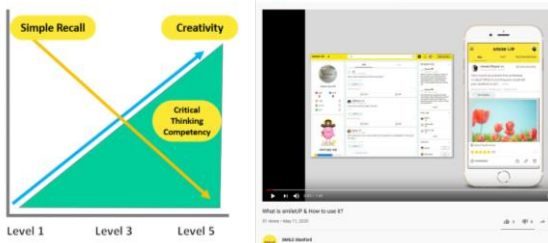
80

May 11, 2020

9. Tension, Challenge, Controversy, etc.: C. What is smileUP & How to use it?

SMILE, Stanford

<https://www.youtube.com/watch?v=pblU8sSALWo>

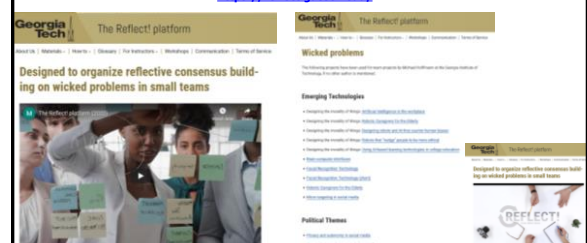


81

June 27, 2020

9. Tension, Challenge, Controversy, etc.: D. Solve Wicked Problems

Designed to organize reflective consensus building on wicked problems in small teams
Georgia Tech, Reflect
<https://reflect.gatech.edu/>

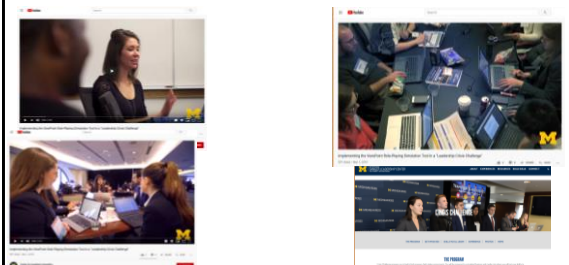


82

November 1, 2019

9. Tension, Challenge, Controversy, etc.: E. Implementing the ViewPoint Role-Playing

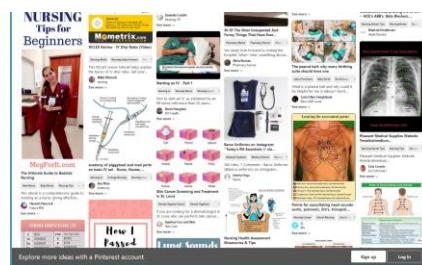
Simulation Tool in a "Leadership Crisis Challenge"
Center for Academic Innovation, University of Michigan
<https://news.umich.edu/students-thrown-into-real-world-scenarios-with-viewpoint-an-educational-simulation-tool/>



83

10. Yields Products, Goals: A. Database Collection Tools

Article Databases in Pinterest



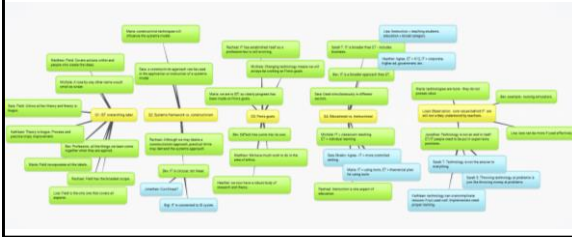
84

September 3, 2017

Yields Products, Goals:

B. Mindmap Recaps of Online Discussions
Mindmap of Week 2 of R511

<https://www.mindmeister.com/121435318430fa1741b50d7552c>



85

April 23, 2020

10. Yields Products, Goals:

C. Student Timelines

Where are They Now? Emerging Learning Technology

Timeline of the top technologies from Dr. Monk's Emerging Learning Technology courses from the 1990s, 2000s, 2010s, and 2020 class syllabus.
 Shannon, Rachael, and Christian
<https://time.graphics/Time/356a1211435318430fa1741b50d7552c>



86

June 27, 2020
10. Yields Products, Goals:
D. Design Products (students created infographics, brochures, timelines)

Canva is an online design program that does not require much



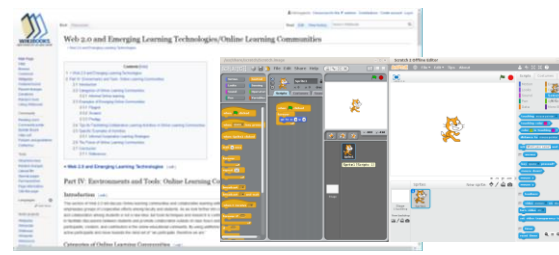
87

April 29, 2020

10. Yields Products, Goals:

E. Wikibook Chapters

Part IV: Environments and Tools: Online Learning Communities R678- Emerging Learning Technologies
 Amanda Zwirecki and Ashia Williams
https://en.wikibooks.org/w/index.php?title=Web_2.0_and_Emerging_Learning_Technologies/Online_Learning_Communities



88

10. Yields Products, Goals:
F. Student Website Development
R511 Final Projects, December 12, 2017

"IST Construction, Co."

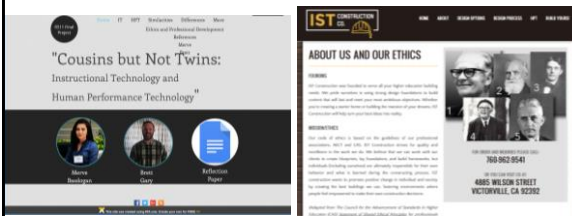
Rob Elliot, Patrick Walsh, Erin Milanese, R511, December 2016

<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.wikisite.com/511final>



89

Make 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

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



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Reuniting The Beach
Planning for a safe return to campus

Poll #6: Which motivational principle do you see as the most crucial online?

1. Tone/Climate
2. Encouragement, Feedback
3. Curiosity
4. Variety
5. Autonomy
6. Relevance
7. Interactive
8. Engagement
9. Tension
10. Yields Products

What motivates?

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

ADDING SOME TEC-VARIETY

91

**Part II: The R2D2 Model:
Read, Reflect, Display, Do...**

Curtis J. Bonk | Ke Zhang

Empowering Online Learning

100+ Activities for Reading, Reflecting, Displaying & Doing

92

Question: How can technology address diverse learner needs?

93

The R2D2 Model

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)

94

1. Auditory or Verbal Learners

- Auditory and verbal learners prefer words, spoken or written explanations.

95

January 20, 2016

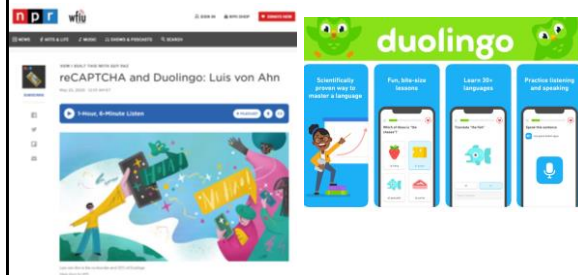
Read 1a. Listen to Podcasts
(e.g., preventive medicine podcast, NPR: <https://www.npr.org/tags/206695374/preventive-medicine>)

96

May 25, 2020

**Read 1b. Listen to News Podcasts (news tidbits)
reCAPTCHA and Duolingo: Luis von Ahn
Podcast Interview, Guy Raz, NPR**

<https://www.npr.org/2020/05/22/860884062/recaptcha-and-duolingo-luis-von-ahn>

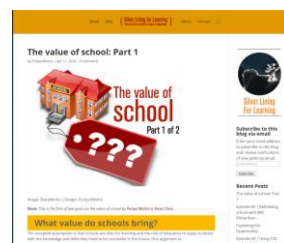


97

April 1, 2020

Read 1c. Read Blogs

Punya Mishra, Silver Lining for Learning
<https://silverliningforlearning.org/the-value-of-school-part-1/>



98

Read 1d. Twitter Fed Class Discussions
(e.g., OT: <https://twitter.com/glenbournmeteam>)



99

Read 1e. Reading from Open Access Journals
(e.g., DOAJ—Directory of Open Access Journals)
<https://doaj.org/>



100

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



101

February 24, 2019
Reflect 2a. Big Issue Reflections
Can Students Handle the Big Questions?
Beth McMurtrie, The Chronicle of Higher Education
<https://www.chronicle.com/article/Can-Students-Handle-the-Big/245753>
<https://godandgoodlife.nd.edu/>
<https://www.youtube.com/watch?v=EMKbtSC3-2I>



102

April 13, 2016 Reflect 2b. Interpreting Interactive Graphs and Infographics

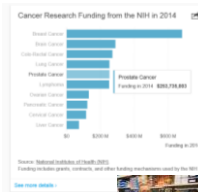
How much rainforest in that chocolate bar?
Tech billionaire announces \$250 million in cancer immunotherapy funding,
Jayne O'Donnell, USA Today
<http://www.usatoday.com/story/news/2016/04/13/billionaire-announces-250-million-cancer-immunotherapy-funding/9282119/>

Land-Use Change Emissions in Miles Driven



<http://bit.ly/rainforest-chocolate>

WORLD RESOURCES INSTITUTE



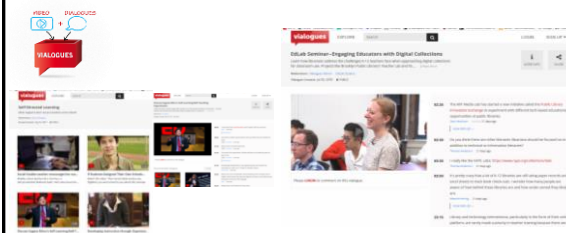
103

July 5, 2018 Reflect 2c. Vialogues

EdLab Seminar--Engaging Educators with Digital Collections

Vialogue, Sara Hartman, New Learning Times

<https://newlearningtimes.com/cms/article/5426/how-academic-publishing-is-changing-in-the>



104

Reflect 2d. Online Role Play or Debate (e.g., documentary production)



105

2019 Reflect 2e. Student Life Advice Cases British Medical Association (BMA)

<https://www.bma.org.uk/features/masteringmedicalschool/>



Twishaa - 4th Year medical school student

Listen to real-life advice from fellow students, read our top tips on budgeting, and find out how we can help you to make the most of your time at medical school.

106

3. Visual Learners

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



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Display 3a. Embedding Royalty Free Images e.g., Pixabay (royalty free images)

<https://pixabay.com/images/search/nurse/>



108

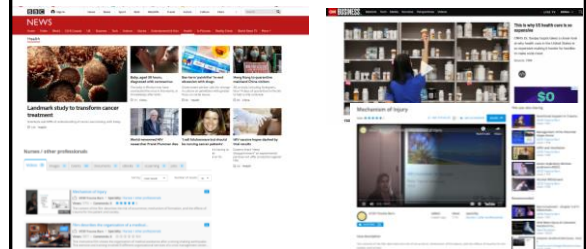
Display 3b. More Royalty Free Images Medical Graphics in Creative Commons

<http://www.medicalgraphics.de/en/free-pictures.html>



109

Display 3c. Short Educational Videos: Anchored Instruction/Macrocontext CNN, BBC, TED, TED-Ed, ForATV, MedTube (200,000 users, 20,000 records)



110

April 29, 2020 Display 3d. Animated Videos Animated COVID-19 prevention video goes viral Mandy Erickson, SCOPE Stanford Medicine

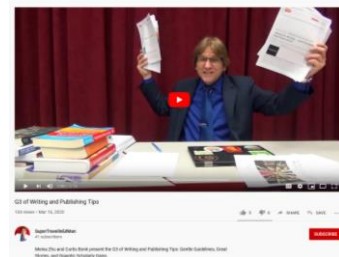
<https://scopeblog.stanford.edu/2020/04/29/animated-covid-19-prevention-video-goes-viral/>
<https://www.youtube.com/watch?v=UcF0dFueQRg>



111

March 16, 2020 Display 3e. Video Teasers G3 of Writing and Publishing Tips

<https://youtu.be/4BGJRd5Aaoo>



112

January 20, 2017 Display 3f. VR Takes You on a Tour of The Human Body

https://www.youtube.com/watch?v=LBWaj1f_UjM



113

March 2020 Display 3g. Visual Depictions of Science Migrations in Motion

<http://maps.tnc.org/migrations-in-motion/#4/19.00/-78.00>



114

20

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.



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Do 4a. Case Decision Making (e.g., snake bite)



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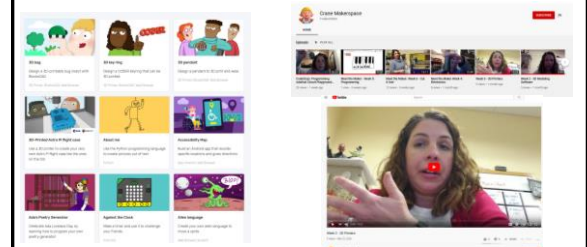
Do 4b. Sample Student Work e.g., Interactive Archive/Gallery of best work (e.g., physical therapy, SDSU)



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April 23, 2020 Do 4c. Demonstration Videos Crane Makerspace, Tina Closser

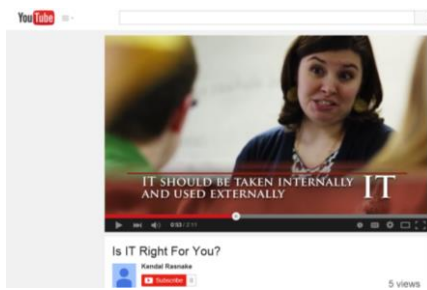
https://www.youtube.com/channel/UCheWTF09g7p20JMB19TBSw?view_as=subscriber
<https://sites.google.com/view/cranemakerspace/home>
<https://projects.raspberrypi.org/en/projects>



124

Do 4d. Student Created Recap Videos

Piercarlo Abate: <http://www.youtube.com/watch?v=-TURzH06aU>
 Qi Li, Gangnam: <http://www.youtube.com/watch?v=7Qd20pZuU84&feature=youtu.be>
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9W8>
 Kendal Rasnake (Is IT Right For You?): <https://www.youtube.com/watch?v=MJ3GUD1CIGw>
 Kimberly Vincent-Caplan: https://www.youtube.com/watch?v=6C2P_7FL1DM&feature=youtu.be

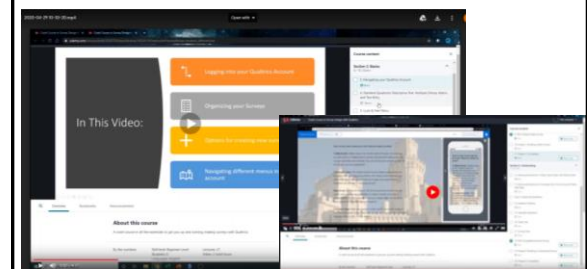


125

April 29, 2020

Do 4e. Design a MOOC Qualtrics, Tanner Phillips, Udemy

<https://drive.google.com/file/d/1fKTPUbdYIK91V-8R3edkxYrHtqQnc0/view>



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Planning for a safe return to campus

Poll 7: 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.



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Reuniting The Beach
Planning for a safe return to campus

June 10, 2020
Learning in 2050

Edward J. Mahoney and Joshua Kim, Inside Higher Ed
<https://www.insidehighered.com/digital-learning/blogs/learning-innovation/learning-2050>





Per Kim and Mahoney: "Where might we be in 2050? As we said, a lot can happen. We might see changes in how we use technology, and how students use technology engage in both curricular and co-curricular activities."

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Reuniting The Beach
Planning for a safe return to campus

Poll 8: Which pedagogical model or framework do you prefer?

- a. TEC-VARIETY
- b. R2D2
- c. Neither
- d. Both
- e. I will try to create some unique combo of the two.



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Reuniting The Beach
Planning for a safe return to campus

Poll #9: Are you excited to try anything out that you heard today?

- a. Yes definitely...many of them...
- b. Yes, several of them.
- c. Yes maybe one!
- d. Not yet (but hopefully soon...)
- e. Nope. My brain is simply not working today.
- f. No...I am having Internet connection issues.



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Reuniting The Beach
Planning for a safe return to campus

Poll #10: Does all this stuff that you heard give you a headache?

- a. Yes, but I am still excited to try things out.
- b. Yes, and I need some medicine and a break.
- c. Not sure.
- d. No, let's go all day.
- e. No, let's go another hour.
- f. No, it was just right.




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Reuniting The Beach
Planning for a safe return to campus

Poll 11: Would you attend a Part 2 follow-up session?

- a. Definitely, Definitely, Definitely...
- b. Probably, Probably, Probably,
- c. Maybe, Maybe, Maybe
- d. You got to be kidding...NO!




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Reuniting The Beach
Planning for a safe return to campus

Poll 12: As a result of this session, are you going to be a more effective and more confident online instructor?


- a. Definitely, Definitely, Definitely...
- b. Probably, Probably, Probably,
- c. Maybe, Maybe, Maybe
- d. You got to be kidding...NO!



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Planning for a safe return to campus


The World is Open for you now...!



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Planning for a safe return to campus

We are entering a jumping off point...



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Planning for a safe return to campus

Any Questions or Comments?
 Slides at: TrainingShare.com
 Papers: PublicationShare.com
 Free book: <http://tec-variety.com/>

Curtis J. Bonk, IST Professor
Indiana University
cjbonk@indiana.edu; <http://curtbonk.com/>



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