**Manufacturing Motivation in Online Language Teaching and Learning With Variety: TEC-VARIETY**

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**Poll #1. Warm-up question: How are you today?**

A. I feel so great, I could be superwoman and superman.
B. I feel really good, thank you.
C. A little tired but still fine and ready to learn from this session.
D. Not sure yet but I am glad to be here today in this session.
E. Not fully here nor there since I have some personal issues that need to be sorted out.
F. Overwhelmed and feeling like I am lost in a lost world.
G. Other.

2

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**Poll #2: Have you reflected on your teaching philosophy or learning approach during the pandemic?**

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

3

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**Opening Activity #1:**
**Type in the Chat Window: What is one new pedagogical idea that you thought of or designed during the pandemic...**
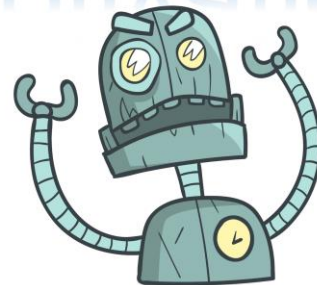


4

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**Opening Activity #2:**
**Type Answer in the Chat Window: What is your favorite type of learning technology today...?**



5

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Motivation



6
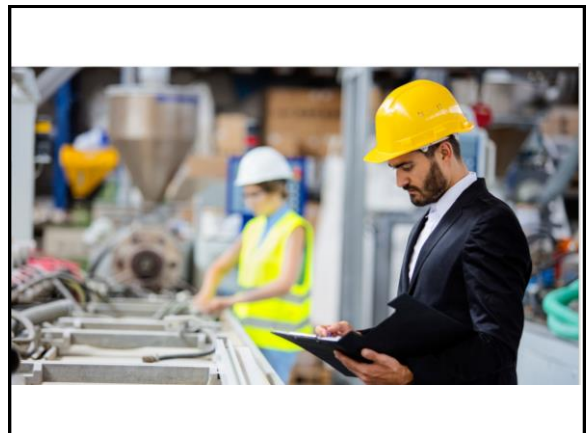
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**The Rise of the Phigital Learner**
Going 'phigital?' 4 things schools need to know about
Generation Z, Todd Kominiak, TrustEd
http://trustedk12.com/phigital-digital-learning/
3 must know's about the rising "phigital" student–and why their impact is
enormous, Meris Stansbury, eCamous News
https://www.ecampusnews.com/campus-administration/education-gen-z-phigital-student/

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**July 1, 2021**
Online or in-person? Gen Z and millennials find digital life more
memorable, study shows
Kate Mabus, USA Today
https://www.usatoday.com/story/news/nation/2021/07/01/generation-z-millennial-survey-shows-digital-life-more-memorable/7783597002/

If there is one thing the pandemic is teaching us,
it's that deep human connections are essential for
student and instructor wellbeing and for impactful
education. As we move into a hybrid future,
technology should not (and cannot!) replace
human relationships and communications–it
should enhance, enable, and enrich them.

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**The Creation of Effective
Learning Environments**
http://study.com/academy/lesson/learning-environment-in-the-classroom-definition-impact-importance.html

22



**Café Classroom and
Café Connectedness**
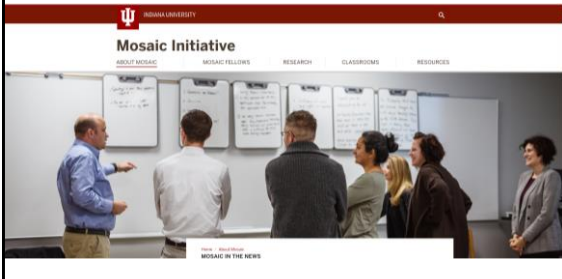Starbucks Your Classroom!
Oskar Cymerman, Teaching Channel
https://www.teachingchannel.org/blog/2016/07/29/starbucks-your-classroom/

Sterile, industrial-era rows aren't very attractive or motivating. …I believe
the "Starbucks" environment will promote that freedom and
movement…Freedom is the key ingredient to social-emotional well-being
and deeper learning. Rows and columns constrict. They hold and stifle.

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**January 27, 2021**
Indiana University's Collaborative Theatre: Perspectives on
Innovation in Classroom Design
EDUCAUSE Review, Merve Basdogan, IU, UITS
https://er.educause.edu/blogs/2021/1/indiana-universitys-collaborative-theatre-
perspectives-on-innovation-in-classroom-design

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## Indiana University
## Active Learning Classrooms



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## Learning Hub
## (the University of Adelaide)



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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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Almost 500 Days into His Run Streak, Eddie Gieda Shows Us Love Knows No Limits



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## Model #1: TEC-VARIETY Model

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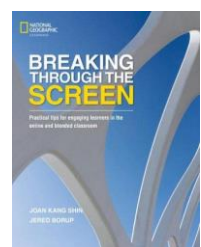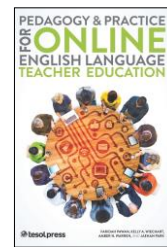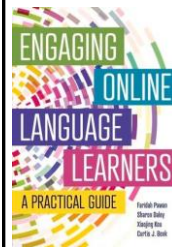**http://tec-variety.com/TEC-VARIETY-Chinese.pdf**



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## June 2022
## Commonwealth of Learning

Khoo, E., & Bonk, C. J. (in production). *Motivation and Supporting Online* Learners. Burnaby, BC, Canada: Commonwealth of Learning.
**https://www.col.org/**
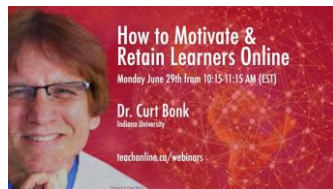


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## January 2022
## Some Recent Books…



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## Slide 37

### June 17, 2021
### Free Book:
### Hybrid-Flexible Course Design
**https://edtechbooks.org/hyflex**



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## Slide 38

### Fall 2021
### Hybrid Modality: HyFlex Teaching
https://instructionalcontinuity.georgetown.edu/pedagogies-and-strategies/hybrid-hyflex-teaching/
**HyFlex (a term coined by Brian Beatty) stands for a combination of "hybrid," meaning alternating between face-to-face meetings and remote interactions, and "flexible," meaning students move between these participation options.**



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## Slide 39
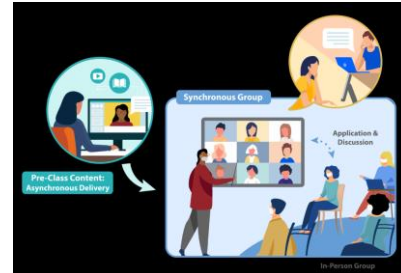
### Transformative Teaching Around the World



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## Slide 40

### Introducing the TEC-VARIETY Model

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

**T**one/Climate
**E**ncouragement, Feedback
**C**uriosity

**V**ariety
**A**utonomy
**R**elevance
**I**nteractive
**E**ngagement
**T**ension
**Y**ields Products



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## Slide 41

**1. Risk** — Low Risk / High Risk
**2. Time** — Easy to Embed / Extensive Planning
**3. Cost** — Free or Inexpensive / Enterprise Licenses
**4. Student-Centered** — Instructor-Focus / Student-Focus, Low / High
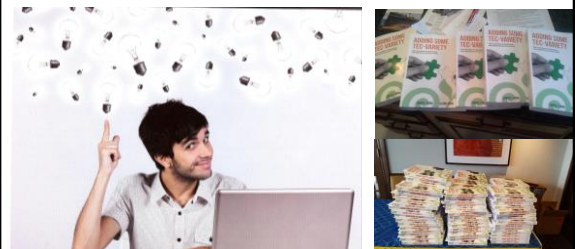


41

## Slide 42
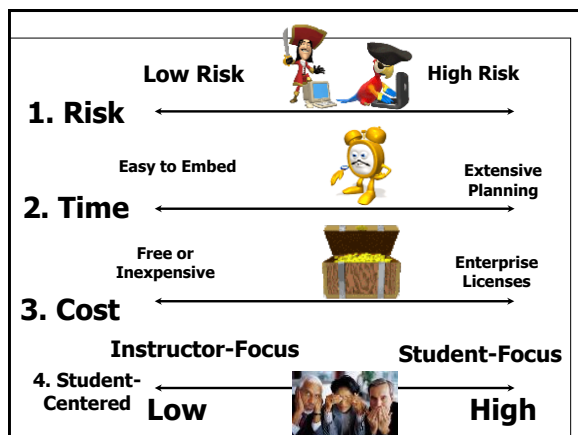
### Examples of TEC-VARIETY



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**July 21, 2022**
**1. Tone/Climate:** A. Posting Ideas in Padlet
**Idioms and Mother's Day Cards,**
**Heejung An, William Paterson University**
I had my students record idioms involving their heritage and convert them to the art forms and post them in this Padlet…I am planning to add more worldwide idioms with sound waves soon.
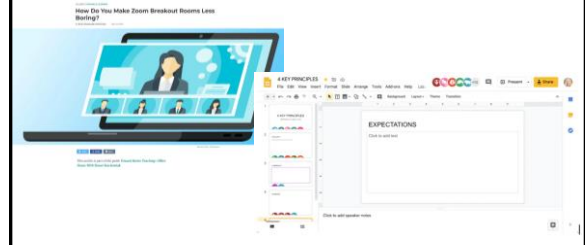https://padlet.com/anh21/omj6rd0atydjyyiq
https://padlet.com/anh21/k78toet7disb15pt



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**September 24, 2020**
**1. Tone/Climate:** A. Breakout Rooms
**How Do You Make Zoom Breakout Rooms Less Boring?, Expectations, Share a link, Introductions**
Bonni Stachowiak (Columnist), Ed Surge
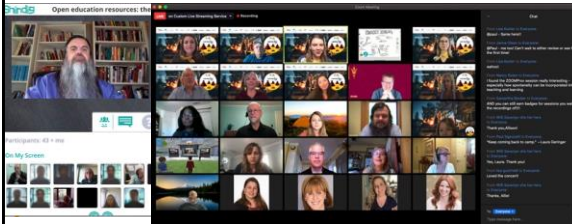https://www.edsurge.com/news/2020-09-24-how-do-you-make-zoom-breakout-rooms-less-boring



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**May 3, 2021**
**The 4 stages of Zoom enlightenment**
**Tom Haymes, eCampus News**
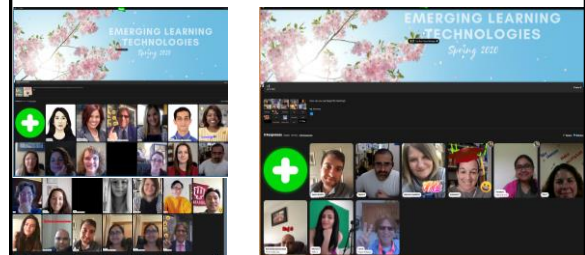https://www.ecampusnews.com/2021/05/03/the-4-stages-of-zoom-enlightenment/



**Stage II: Distributed Conversations** (Augmentation): *These are discussions where the community is elevated to the same level as the guest/speaker and the focus is on engaging in two-way conversations about the ideas of the speaker.*

45

**April 11, 2020**
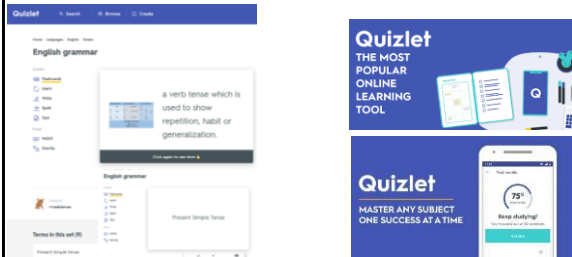**1. Tone/Climate:**
**C. Threaded Video Discussions and Questions**
**(e.g., Flipgrid)**
Ed Tech with Adam: https://www.youtube.com/watch?v=hysv0PwqsFs
https://techcrunch.com/2018/06/18/microsoft-acquires-social-learning-platform-flipgrid/



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**2. Encouragement, Feedback:**
**A. Online Practice Tests and Interactive Flash Cards**
**http://quizlet.com/**



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**June 6 and 27, 2022**
**2. Encouragement, Feedback:**
**B. The macro impact of microcredentials**
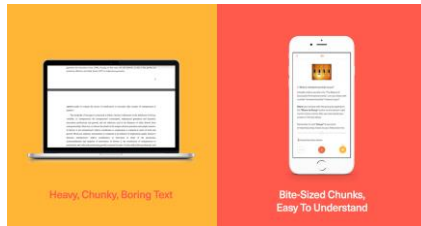Susan Manning, Ed.D, Director of Customer Education, Credly, eSchool News
https://www.ecampusnews.com/2022/06/06/the-macro-impact-of-microcredentials/



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**June 30, 2022**
**Introducing the first-ever experiential, mobilemicro-learning courses (MLCs) Gnowbe**
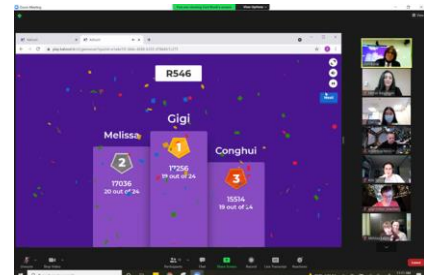https://learn.gnowbe.com/about



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**August 28, 2021**
**2. Encouragement, Feedback:**
**C. Interactive Kahoot Quizzes**



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**July 18, 2020**
**3. Curiosity, Intrigue, Unknowns:**
**A. To Gloss or Not to Gloss**
**(Global Language Online Support System)**
(blogs, online news, online dictionaries)
https://www.cnn.com/interactive/relaunch/ or https://www.cnn.com/specials/multimedia/cnn-interactives
Visit an instructional news website—CNN Interactive. Read one news article and try out the language exercises. Note 10 new words and find their definitions using an online dictionary.



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**July 1, 2022**
**3. Curiosity, Intrigue, Unknowns:**
**b. Inquiring Minds want to Know**
This man and his dog spent seven years walking around the world,
Tamara Hardingham, CNN
https://www.cnn.com/travel/article/this-man-and-his-dog-spent-seven-years-walking-around-the-world/index.html
Think of a news topic and fives questions about this topic. Search for the news topic on the BBC, Google News, or Yahoo! News and choose a news article to read. Write down the search word(s) and questions.



Tom Turcich, from New Jersey, and his dog Savannah spent seven years walking around the world together.
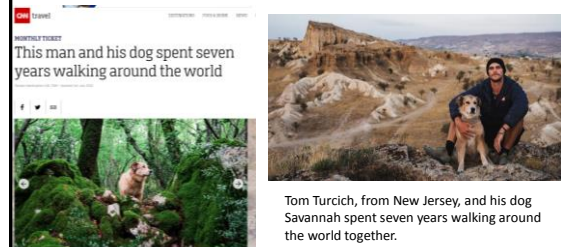
52

**July 8, 2022**
**3. Curiosity, Intrigue, Unknowns:**
**c. Multimedia News**
Dinosaur discovered in Argentina suggests why many prehistoric predators had small arms
**Wyatte Grantham-Philips**, USA TODAY
https://www.usatoday.com/story/news/world/2022/07/08/new-dinosaur-species-argentina-meraxes-gigas/10011585002/



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**October 26, 2021**
**3. Curiosity, Intrigue, Unknowns:**
**D. Just the punctuation**
http://just-the-punctuation.glitch.me/



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### July 12, 2022
**4. Variety, Novelty, Fun, Fantasy:**
**D. Immediate Science**
**Latest organ transplant milestone:**
**Pig hearts to brain-dead patients**
**Karen Weintrab, USA Today**
https://www.usatoday.com/story/news/health/2022/07/12/organ-transplant-milestone-gene-edited-pig-heart-brain-dead-patients/10014617002/



55

### July 18, 2020
**5. Autonomy, Choice:**
**A. Enroll in a MOOC and Reflect**
**(e.g., see Class Central)**



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### June 2, 2021
**A Pandemic Silver Lining?**
**More People Are Talking About Teaching**
**Beckie Supiano, The Chronicle of Higher Education**
https://www.chronicle.com/article/a-pandemic-silver-lining-more-people-are-talking-about-teaching



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### Spring 2021
**5. Autonomy, Choice:**
**B. Reflect on Videos**
**Silver Lining for Learning**
**https://silverliningforlearning.org/**
https://www.youtube.com/channel/UC9XEsh89grIlpmVVpQt-_aA/live
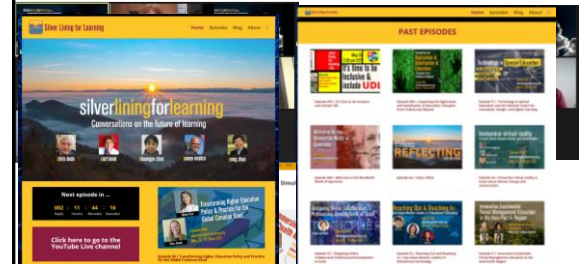


58

114 episodes
(+ side conversations & blog posts)

160+ guests

~30K views

**Top 10 Countries**
1. United States
2. Canada
3. Bangladesh
4. Australia
5. China
6. India
7. Ireland
8. United Kingdom
9. Turkey
10. Hong Kong



59
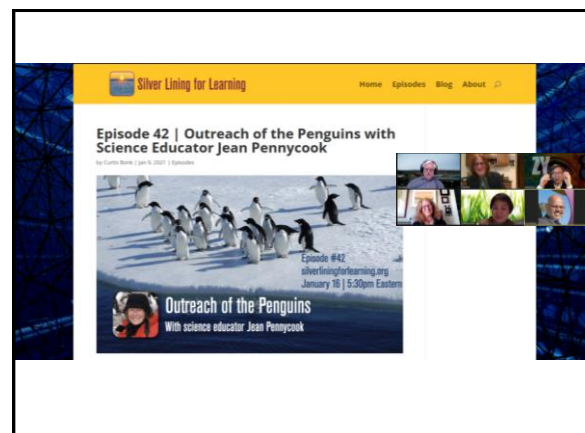


60
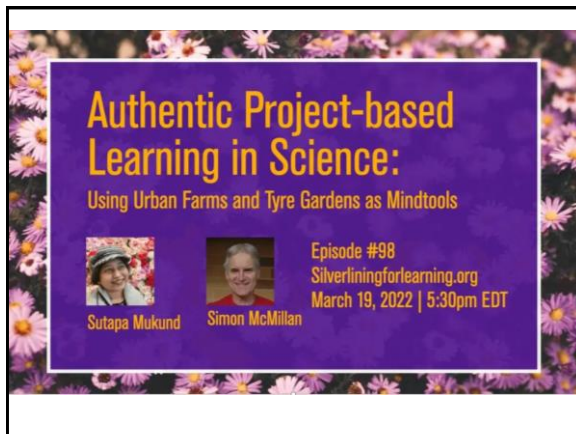
61
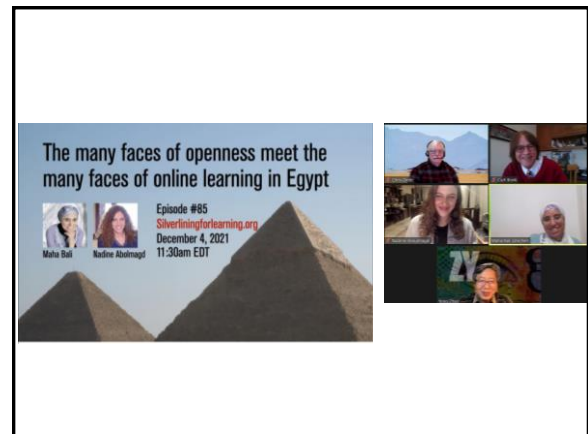


62
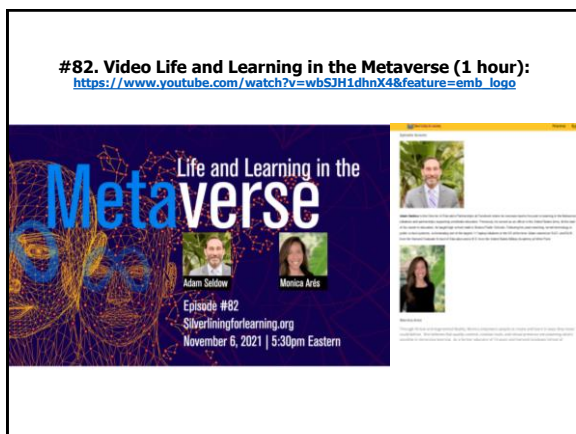


63
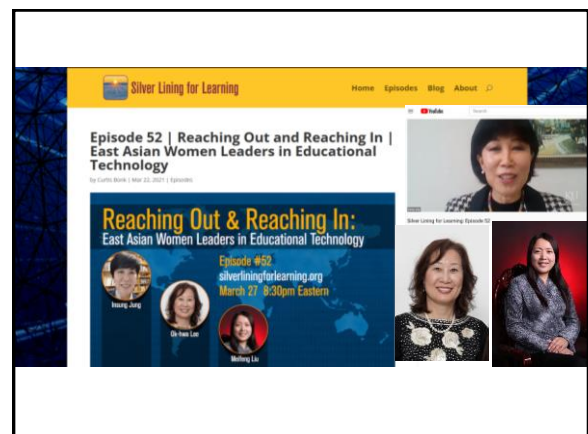


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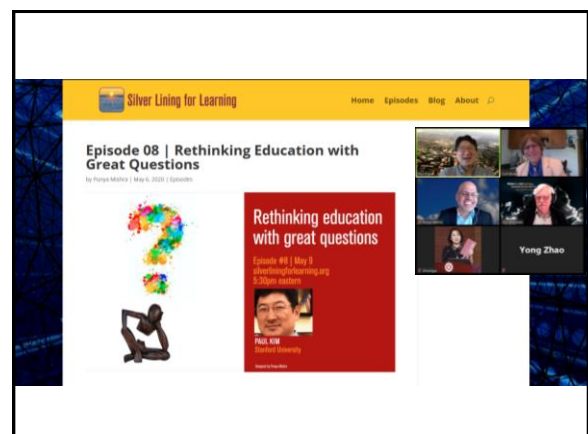


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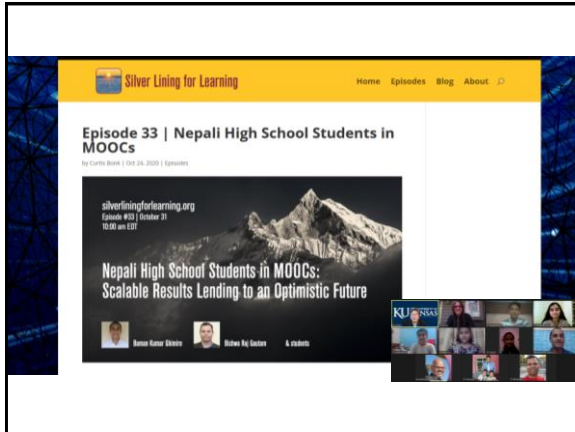
67
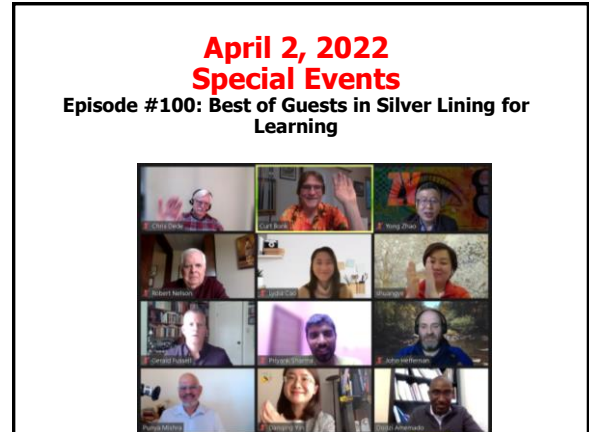


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### Pedagogical Uses of the Silver Lining for Learning Videos

1. Watch 1 or more SLL episodes and write review or reflection papers.
2. Watch 5 or more episodes and look for themes or common issues.
3. Draft educational change models, frameworks, or systems.
4. Assign students to interview one or more prior SLL participants.
5. Draft mini-chapters based on 10 or more of these interviews into a book.
6. Invite one or more SLL participants to class for a chat or interview.
7. Based on one or more SLL shows have class draft a set of future trends papers.
8. Remix episodes with the most informative aspects of 3 or more videos to create a theme video.
9. Hold online discussion forums on various episodes.
10. Create online role play or debate activities based on different episodes.
11. Have students interview (i.e., a follow-up) one of more of the people from an SLL show for a second set of videos or a set of reflection papers.
12. Assign students to categorize, tag, rank, or organize the SLL videos.

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### 6. Relevance, Meaningfulness:
**A.** Language Lessons Online
**Language Lessons Online**
e.g., BBC Learning English, Duolingo, Babbel, SpanishPod, etc.
(Zixi Li & Curt Bonk, June 2022, Duolingo Research)
http://www.bbc.co.uk/learningenglish



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### April 6 and 28, 2020
### 6. Relevance, Meaningfulness:
#### B. Weekly Guest Expert Chats
SMILE, Paul Kim Stanford, https://youtu.be/bfJDsI1hVLU
February 22, 2020, Jima Ngei in Nigeria (1 hour 15 minutes)
Video: https://youtu.be/sM6VMsfQJXc
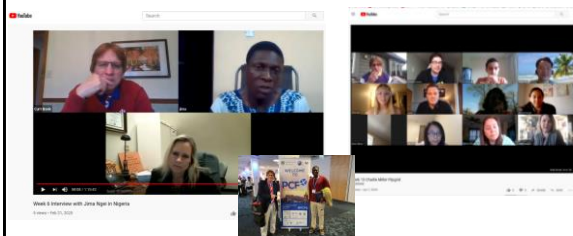


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### Expert Interviews and Discussions

Students might read the biography or resume of the guest as well as available articles, books, and other resources about this person. Next, the guest might respond to questions from the class based on these resources.

August 24, 2021, Terry Anderson

September 17, 2021, Expert chat session with Richard Mayer (1:17:47): https://youtu.be/pVo7IRsbgkA



72
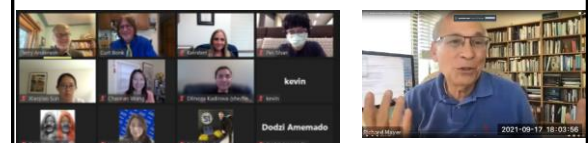
12

**Expert Life Stories**

The guest expert might detail different stories or situations that he or she has encountered related to a certain topic of the class. Students in the class can comment on them and ask questions as needed.
(October 12, 2021, R511 Week 8 Interview with Kyle Peck Single Camera (1:10:38): https://www.youtube.com/watch?v=ycKFA6x-f-Q



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**February 22, 2022**
**Two Experts**
R511 Khendum Gyabak and Anita Vyas



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**April 4, 2022**
Live Author and Researcher Interviews
R678 Guest Vanessa Dennen at FSU on Social Media
https://www.youtube.com/watch?v=-OT2UYE4XRU
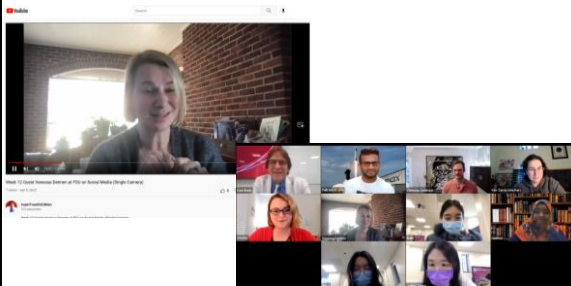


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**March 1, 2022**
**Article Reflections**
Som Naidu, Fiji and Melbourne and Shironica Karunanayaka, Sri Lanka



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**Expert Session Archive**
**Reviews and Discussions**

A class might watch one or more guest expert sessions from a previous semester and form discussion groups based on controversial, confusing, or complex aspects of such sessions.
September 26, 2021, Week 6 Authentic Learning with Tom Reeves (1:12:24),
https://www.youtube.com/watch?v=5pSZJiW3XTw
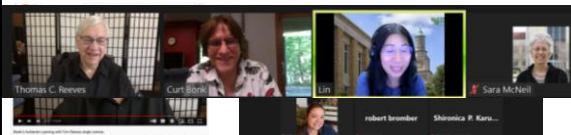


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**October 18, 2021**
Open University of Japan, TV Show recording



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**February 28, 2022**
**Ed Tech Past, Present, and Future Panel**
R678 with Tom Reeves, Tom Reynolds, Veronica Acosta, and Okhwa Lee
https://youtu.be/BUu9vFDqixw

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**SuperTravelinEdMan**
https://www.youtube.com/c/Trainingshare/videos
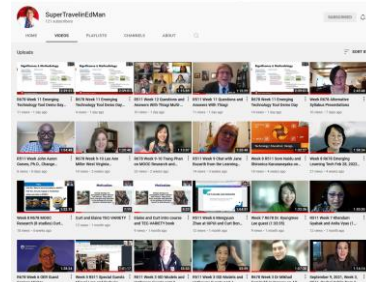
80

**Pedagogical Uses of Shared Online Videos**

1. Watch and write review papers
2. Watch and look for themes or common issues
3. Draft educational change models, frameworks, or systems
4. Interview prior participants
5. Draft mini-chapters based on episodes into a book
6. Write future trends papers
7. Remix episodes
8. Tag, rank or categorize the episodes
9. Online discussion forums on episodes
10. Online role play or debate different episodes

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**March 20, 2018**
**6. Relevance, Meaningfulness:**
**C. Editing Wikipedia Pages**
Women's-Studies Students Across the Nation Are Editing Wikipedia
Emma Kerr, The Chronicle of Higher Education
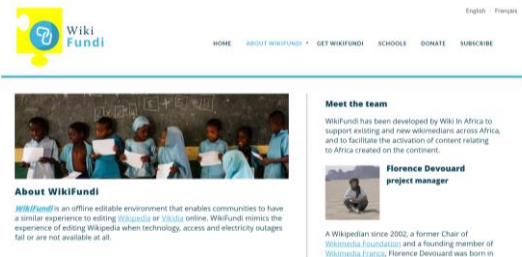


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**June 27, 2020**

**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
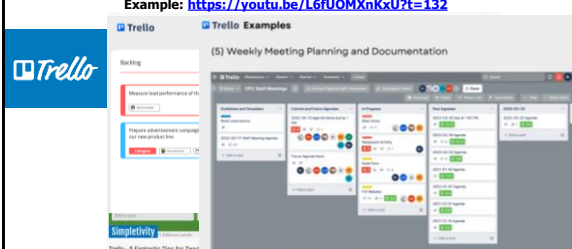


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**September 26, 2021**
**Belle Li, Trello**
https://trello.com/b/xm0LOgIX/paper (Paper)
https://trello.com/b/tMSypLTz/tutor-arrangement (Tutor arrangement)
https://trello.com/b/iHnB7VFF/design-team-daily-planner (Design-team planner)



84
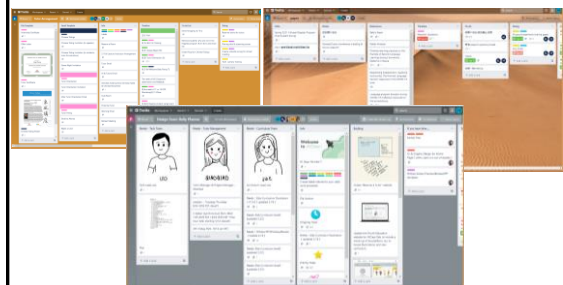
14

**7. Interactive, Collaborative:**
**B. Negotiate Meanings Online**
**(e.g., MeetingWords: http://meetingwords.com/)**
http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/
**Also: Google Docs, NowComment, etc.** (MixedInk and PiratePad are no more)
**e.g., https://nowcomment.com/documents/131228**



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**7. Interactive, Collaborative:**
**C. CNA - Speaking Exchange (video chats)**
https://www.youtube.com/watch?v=-S-SEfwpFOk
FCB Brazil and the CNA language school network are launching the Speaking Exchange project,
which connects CNA students in Brazil with Americans living in retirement homes.
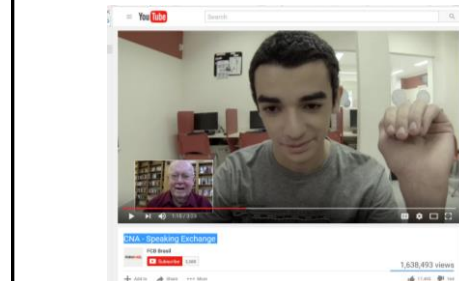


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**Fall 2019, R511**
**7. Interactive, Collaborative:**
**D. Team Article Debates**
**Nuclino (like a wiki…may delete by mistake,**
**trial version, limited)**



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**July 15, 2022**
**7. Interactive, Collaborative:**
**E. Interaction: Collaborative Strategy Use**
Archaeologists Begin First-Ever Excavation of Tomb Linked to King Arthur
https://www.smithsonianmag.com/smart-news/an-ancient-monument-associated-with-King-Arthur-is-Older-than-Stonehenge-180978541/
https://www.usatoday.com/story/news/nation/2022/07/12/researchers-excavating-arthurs-stone-monument-linked-king-arthur/10039687002/

**In break out rooms in Zoom:**
– **Choose news article from online sources.**
– **ask students to read news articles out loud with their partners.**
– **and record their reading processes. This activity helps students identify reading strategies.**



88

**June 20, 2021**
**7. Interactive, Collaborative:**
**F. Interaction:**
**Image 2. Communication records in the Google Docs during a collaborative writing task**
**Google Docs, per Renee Hung, IU Doctoral Candidate**
The use of Google Docs as a collaboration tool can benefit both teaching and learning in second language education:

**For teachers:**

With revision history, it is easy for teachers to monitor written contributions from each student in a group project, including the amount and types of contributions (see Image 1). While students might collaborate through other methods at the same time, such as 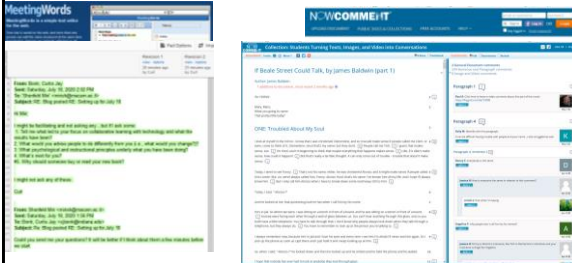verbal conversations, live chats, or comments, the color-coded revision history helps teachers better understand students' engagement, language proficiency (e.g., types of edits by each student), and collaboration patterns (e.g., roles) during group work.

**For students:**

Google Docs as a synchronous collaboration tool allows students to see each other working simultaneously. Some students have reported that this feature helps them proceed with the task because "you look at what they are writing/typing, you suddenly have some thoughts and feel inspired, and then you start writing too."
Google Docs as an asynchronous tool allows students to continue to build a collaborative product (that could be based on a class activity) and move between synchronous and asynchronous collaboration modes. Students can use the virtual space to leave comments and notes to each other (Image 2) and some reported that being able to work and communicate using the same space was convenient and created less confusion.



89

**June 20, 2021**
**Image 1. Color-coded revision history of Google Docs during a collaborative writing task**

Mirco theme 3: Appealing Lexus car

The advertisement not only reveals the new product, but it also reveals the implicit meaning to broad meaning. The better an advertisement is, the more critical strategies it uses to drag the consumers' interests. It uses elements such as Aristotle's three rhetorical appeals and the analysis tools in order to make consumers or viewers feel the allure of the new product.

The unveiling of a new luxurious car from Lexus, a world-known high end brand, advertises to potential consumers in many ways. By giving an example among them is that the brand itself already gives a credibility to the target consumers. The advertisement does not need to utilise an unnecessary amount of sophisticated words in effort to wow their audience as Lexus knows that a majority of consumers are already familiar with their brand's name. Their brand
something that everyone will definitely remember you by, and by placing the words directly below the product they are advertising, implies that their car could be that very thing.
The use of pathos in this advertisement is ingenious, it uses color, brightness, clothing, facial expression, distance, and the structure of the photo to bond the car with certain impressions like wealth, stylish life, another sex's attention, and high



90

15

## July 8, 2020
### 7. Interactive, Collaborative:
**G. Full Coverage!**

**Ming Dynasty encyclopedia sells for more than $9 million at auction -- 1,000 times the expected price. Jack Guy, CNN**
https://www.cnn.com/style/article/ming-dynasty-encyclopedia-auction-scli-intl/index.html
More than 2,000 scholars worked on the encyclopedia between 1404 and 1408...The Yongle Dadian is the largest encyclopedia in the world, and originally consisted of 22,877 chapters.

**In break out rooms in Zoom:**
• Review news articles and discuss news summaries with group members online. Write a synopsis of all group members' news summaries.

91

## July 7, 2020
### 7. Interactive, Collaborative:
**H. Multimedia Treasure Hunt**
https://www.cnn.com/specials/multimedia/cnn-interactives
**Try multimedia features and record online reading strategies**
https://www.usatoday.com/story/news/nation/2020/07/07/kongonaphon-kely-ancient-dinosaur-ancestor-tiny-had-fuzzy-skin/5389075002/
Video: 53 seconds
### In break out rooms in Zoom:
– **students read news media with partners**
– **Click on self-selected visual and audio aids makes news reading and writing easier, more interesting, and more enjoyable to them.**

92

## June 3, 2020
### 7. Interactive, Collaborative:
**I. Collab Annotation and Group Reading (Perusall)**
How to Do Collaborative Annotation and Group Reading in Perusall for Online or Blended Classrooms
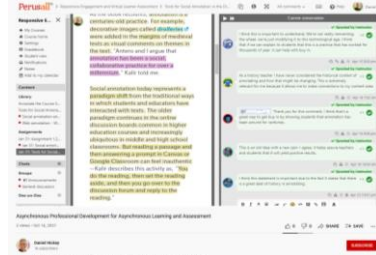EdTech with Adam: https://www.youtube.com/watch?v=edb9IECompA
https://perusall.com/

93

## October 14, 2021
### Perusall, Dan Hickey
Asynchronous Professional Development for Asynchronous Learning and Assessment
https://www.youtube.com/watch?v=la03oi6Naso

94

## June 18, 2021
### 7. Interactive, Collaborative:
**J. Example of a synchronous hybrid English class for rural Chinese students.**

95

## July 8, 2020
### 8. Engagement, Involvement: A. Interactive Maps
**(Thinglink: interactive map creator)**
https://www.thinglink.com/
(Thinglink (Freemium): Direct students to the discussions, assignments, course files, and syllabus. She added hyperlinks to pictures or videos to facilitate navigation. Thinglink makes any still picture interactive. You can put links into a picture and students easily navigate to necessary website. For example, it is used commonly for online history and geography courses. The teachers put links on a map and students can go to relevant unit and related video link.)
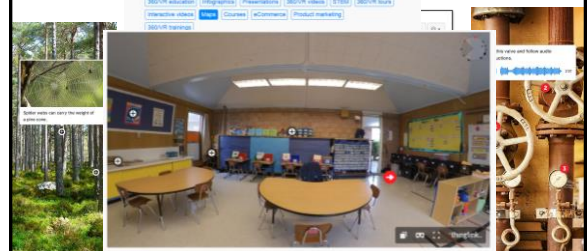
96

**April 11, 2022**
**Embedding Links (i.e., ThingLink)**
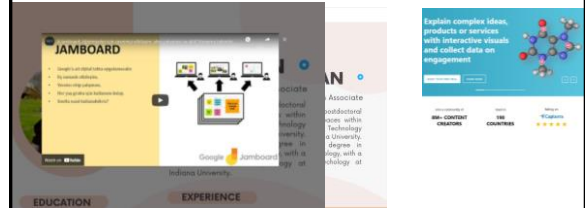(360 instructional video, teaching some experiments in an advanced science lab.)
https://www.thinglink.com/mediacard/1264679527141867522



97

**April 11, 2022**
**Embedding Links (i.e., ThingLink)**
https://www.thinglink.com/mediacard/1264679527141867522



98

**May 11, 2020**
**9. Tension, Challenge, Controversy, etc.:**
**A. What is smileUP & How to use it?**
**SMILE, Stanford**
https://www.youtube.com/watch?v=pbIU8sSALWo
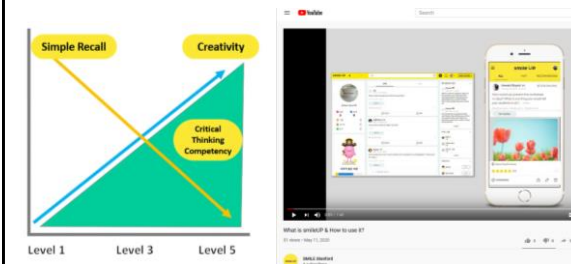


99

**9. Tension, Challenge, Controversy, etc.:**
**B. Virtual Sharing Walls Competitions**
**e.g., Padlet (A collaboration and discussion board)**
https://padlet.com/samarast/urel07b3nwubivel
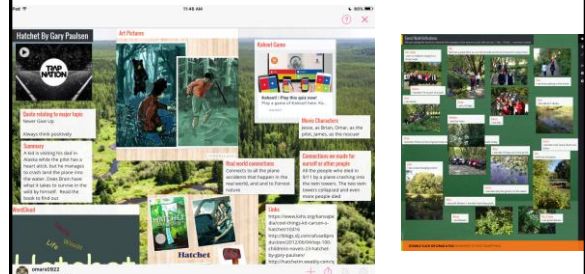


100

**10. Yielding Products:**
**A. Class Project: Video, Podcast Show,**
**Documentary, Website, Animation, Song, etc.**
https://app.animaker.com/animo/2h5b0Hz2gxURJ5x4/?shareid=view%7C2h5b0Hz2gxURJ5x4



101

**April 23, 2020**
**10. Yields Products, Goals:**
**B. Student Generated Timelines, Taxonomies,**
**and Concept Maps** (Sutori, xtimeline, Preceden, Timeline.js,
TimeLineCurator, Time Mapper, etc.)
http://timeglider.com/t/50843d8903a48008?min_zoom=1&max_zoom=100
https://time.graphics/line/356a1211435318430fa1741b50d7552c



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**June 27, 2020**
**10. Yields Products, Goals:**
**C. Design Products (students created infographics, brochures, timelines)**
**Canva is an online design program that does not require**



103

**April 29, 2020**
**10. Yields Products, Goals:**
**A. Wikibook Projects and Chapters**
R678, Amanda Zwirecki and Ashia Williams
https://en.wikibooks.org/w/index.php?title=Web_2.0_and_Emerging_Learning_Technologies/Online_Learning_Communities



104

**September 3, 2017**
**10. Yields Products, Goals:**
**B. Mindmap Recaps of Online Discussions**
**Mindmap of Week 2 of R511**
https://bubbl.us/Mjg2MzMxOC84MjYzNjcxL2UyODQzMzQ3NTQ2YzQwZDlmNDE3ZWE3OWYwMmJmYTI3-X



105

**November 30, 2021**
**R511 Final Projects, Fall 2021**
**Chanika Mitchell & Debbie Annette Curtis**
https://curtis-mitchell-finalproject.squarespace.com/



106

**November 30, 2021**
**R511 Final Projects, Fall 2021**
**Keirsten Eberts and Ed Lewis**
https://r511ithtp.com/learning-theories/



107

**Poll #3: Any light bulbs going off in you head so far?**

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



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18

## Make Commitments:
### Stop and Share in Chat Window:
**Which principle(s) of TEC-VARIETY will you use?**

**T**one/Climate
**E**ncouragement, Feedback
**C**uriosity

**V**ariety
**A**utonomy
**R**elevance
**I**nteractive
**E**ngagement
**T**ension
**Y**ields 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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## Poll #4: Which motivational principle do you see as the most crucial now?

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
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

110

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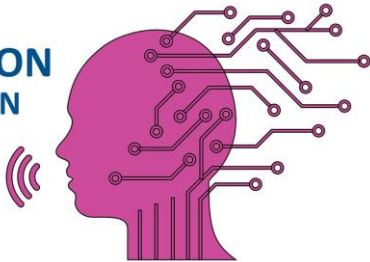


111

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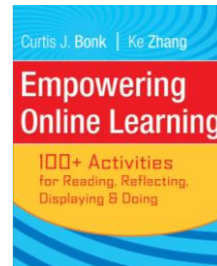


112

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## The R2D2 Model

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



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## 1. Auditory or Verbal Learners

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



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**Read 1a. Listen to Podcasts**
(e.g., Educational: https://discoverpods.com/educational-podcasts/)
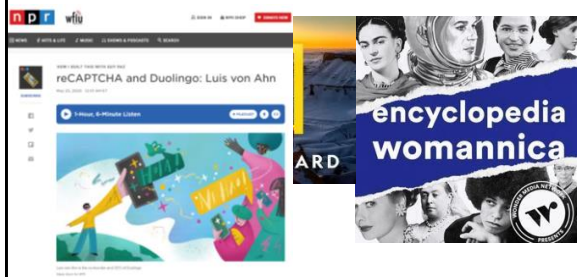


115

**January 20, 2016**
**Read 1b. Text to Audio**
(e.g., Speechify; https://www.hsalfrank.com/speechify)
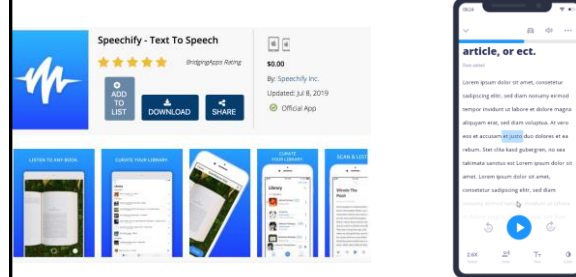


116

**February 11, 2018**
**Read 1c. Online Referenceware**
The Magical Power of Dictionaries
Alberto Manguel, The Chronicle of Higher Education
https://www.chronicle.com/article/The-Magical-Power-of/242513
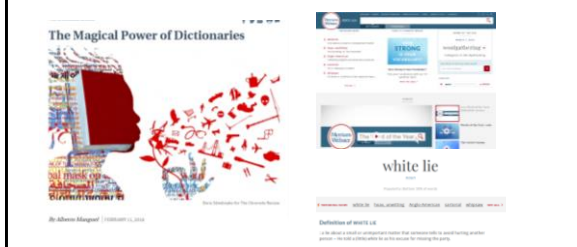


117

**March 21, 2020**
**Read 1d. Read Blogs**
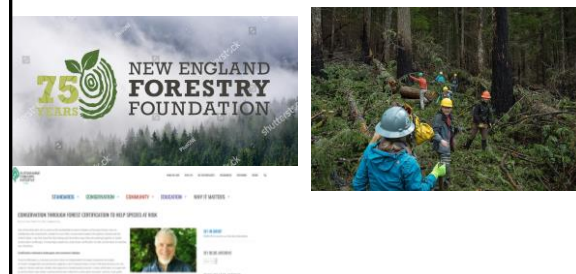


118

**Read 1e. Twitter Fed Class Discussions**
(e.g., BBC Learning English:
https://twitter.com/bbcle?lang=en )



119

**Read 1f. Reading and Reviewing articles in Open Access Science Journals**
(e.g., DOAJ—Directory of Open Access Journals)
https://doaj.org/
Open access journals for kids:
https://sciencejournalforkids.org/about-us.html
https://kids.frontiersin.org/
https://sciencejournalforkids.org/about-us.html



120

## 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**



121

## Reflect 2a. Big Issue Reflections and What-If Reflections
**(Big Questions Online (BQO))**
**(e.g., Can a Living Creature Be as Big as a Galaxy?)**



122

## Reflect 2b.
### Online Role Play or Debate
**(e.g., documentary production)**



123

## Reflect 2b. Continued...
### Online Role Play or Debate
**(e.g., documentary production)**

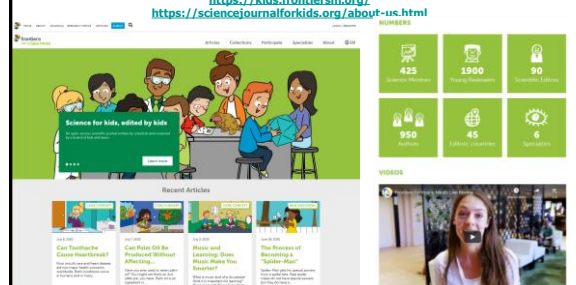| | | |
|---|---|---|
| • Controller/Executive Director/CEO/Leader | • Artist/Idea Person/Visionary/Muse | • Optimist/Open-minded/Idealist |
| • Connector/Relator/Linker/Synthesizer | • Planner/Predictor/Guesser/Flowcharter | • Robotic/Information Dumper/Spock-like |
| • Decider/Judge/Settler | • Organizer/Starter/Founder/Initiator | • Absent Minded/Stumpler/Dense/Aimless |
| • Devil's Advocate/Critic/Censor | • Questioner/Ponderer/Protester | • Coach/Facilitator/Inspirator/Trainer |
| • Reflector/Thinker/Speculator/Observer/Watcher | • Adventurer/Discoverer/Explorer/Traveler | • Guide/Mentor/Teacher/Scaffolder |
| • Warrior/Debater/Arguer/Conqueror/Bloodletter | • Mediator/Negotiator/Compromiser/Peacemaker | • Humanitarian/Do Gooder/Fund Raiser |
| • Idea Squelcher/Biased/Preconceiver | • Watchdog/Evaluator/Measurer | • Funny/Humorous/Comic/Witty |
| • Slacker/Slough/Slug/Surfer Dude | • Creative Energy/Inventor/Generator/Brainstormer | • Advisor/Responder/Helper/Tutor |
| | | • Worldly/Wiseperson/Sage/Guru/Spiritual Leader |

**Example 2: Scaffolding...in the form of structuring the online environment and engagement e.g. reflective roles, self-coding, timely-engagement of instructors or otherwise you have "serial monologues."**



124

## November 25, 2021
**Reflect 2c. Interpreting Interactive Graphs and Infographics**
ARK Invest
https://ark-invest.com/articles/portfolio-construction/equity-market-cap-associated-with-innovation/
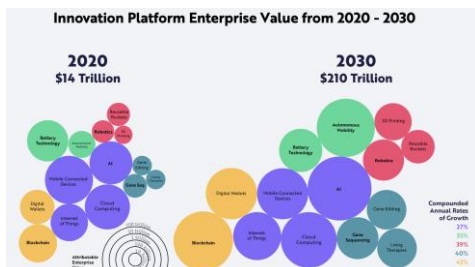


125

## July 5, 2018
## Reflect 2d. 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
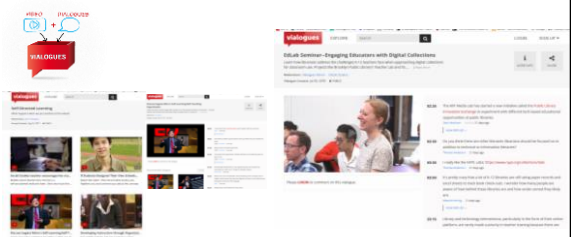


126

## Reflect 2e. Hot Off the Press!
**(i.e., students edit and publish group news summaries through blogs.)**
**Revise and edit group members' news summaries and synopses. Present and publish the group news project.**



127

## 3. Visual Learners

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



128

### March 31, 2022
## Display 3a. Short Educational Videos:
**Anchored Instruction/Macrocontext**
**BBC News**
**https://www.youtube.com/c/BBCNews/featured**



129

### March 31, 2022
## TEDEd
**https://www.ted.com/**



130

### March 31, 2022
**New York Times**
**https://www.nytimes.com/video**



131

## Display 3b. Video Editing Tools
**TubeChop: https://www.tubechop.com/**



132

22

## Display 3c.
### Video Annotation and Commenting Tools
**VideoAnt (Free):** https://ant.umn.edu/ **(Univ. of Minnesota)**
https://www.youtube.com/watch?v=1SOE2aQky2I
**Edpuzzle (Free):** https://www.youtube.com/watch?v=-L62wAxCzEM
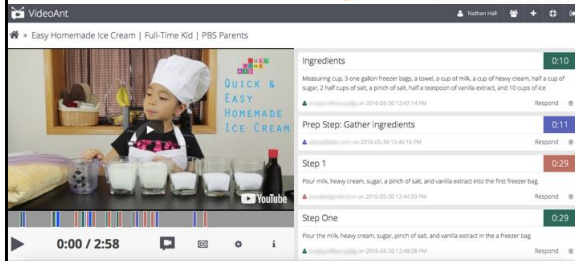


133

## Display 3d.
### Collaborative Web and PDF Annotation Tools
**Hyothes.is (Free):** https://web.hypothes.is/
**Note Anywhere:** https://www.youtube.com/watch?v=q4AJeowd4Ho
**Adds virtual sticky notes to webpages**
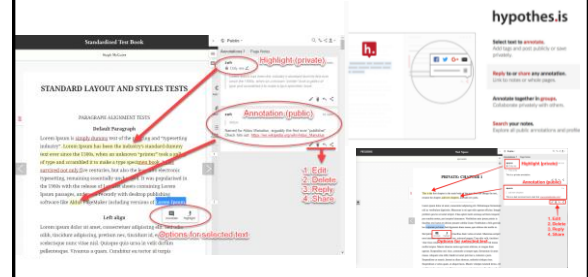


134

### April 30, 2020
### Display 3e. More Word Clouds (e.g., Tagzedo, Tagul, WordSift, Word It Out):
https://www.wordclouds.com/



135

## 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.**



136

### April 23, 2020
### Do 4a. Demonstration Videos
### Crane Makerspace, Tina Closser
https://www.youtube.com/channel/UCbeWfFd9g7pZ0JMBJ9TBt5w?view_as=subscriber
https://sites.google.com/view/cranetech/home
https://projects.raspberrypi.org/en/projects
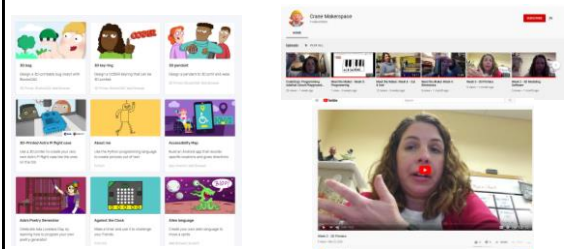


137

### August 6, 2020
### Do 4b. Student Podcast Shows
**Teen's Podcast explains COVID-19 to his peers**
**Janey Begley, USA Today, TC Palm**
https://www.tcpalm.com/story/life/2020/08/06/florida-youth-starts-podcast-aimed-explaining-covid-19-teens/3312120001/



138

**June 18, 2021**

**Do 4c.** Student Created Openbookprojects

https://drewharr.wixsite.com/openbookproject

Per Dr. Chaoran Wang: As to open pedagogy, this spring, I had my pre-service literacy and language teachers to edit and compile a variety of methods of teaching reading into an open book. They created this open licensing book here https://drewharr.wixsite.com/openbookproject.
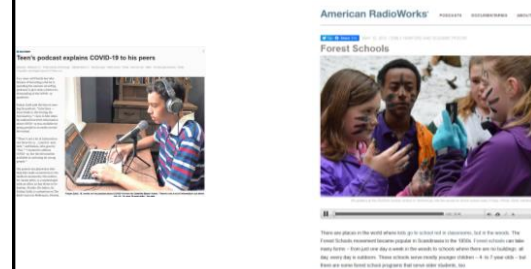
A Pandemic Teacher's Journal

Using Annotations

139

**Poll #5: How many ideas did you get from this talk now?**

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.

BRAINY IDEAS

140

**Poll #6:**
**Which topic are you most interested in fostering or learning about?**

A. Creative thinking online
B. Critical thinking online
C. Collaborative learning and teamwork online
D. Motivation

My interest
you havz it

141

MOTIVATION

GOAL VISION ADMIRE SUPPORT TEAMWORK MENTOR PERFORMANCE SUCCESS

142

**April 11, 2020**
**Threaded Video Discussions...**
**(e.g., Flipgrid)**
Ed Tech with Adam: https://www.youtube.com/watch?v=hysv0PwqsFs
https://techcrunch.com/2018/06/18/microsoft-acquires-social-learning-platform-flipgrid/

143

**January 13, 2022**
**R678, Introductions**
(R678) https://padlet.com/cmsmeltz/h6zbzpdfos6x19l
(R511) https://padlet.com/sunseol/b1yr49ljxwc6smkc

144

April 11, 2022
Warm-Up Exercises: What do you know about XYZ...? (in Jamboard)
https://jamboard.google.com/d/1kutzcHNUsi7oGATqL1zQmae9MfKuoURhtCGQqm_BM1Q/viewer?f=3

145



September 4, 2021
Ice Breakers in Jamboard
https://jamboard.google.com/d/1NAAPUgs9nd2Zv_VLwjYO5aHeln4kphQ-dbQ5BREDqgc/viewer?f=7

146



October 16, 2021
AMA (Ask Me Anything) in Jamboard
https://jamboard.google.com/d/1NAAPUgs9nd2Zv_VLwjYO5aHeln4kphQ-dbQ5BREDqgc/viewer?f=2

147



February 14, 2022
Questions for Guests in Jamboard
https://jamboard.google.com/d/1BW2GB3aiVq035h5hx1dNaMwOo_2RUcNTUuo7mrISEjg/viewer?f=2

148

Nominate Quotes
(e.g., Shakespeare)

- Students can explore online quotes (Wikiquote).
- Suggest best ones.
- Respond to other suggestions.



149

One Visual Exercises

- Tell students to bring in one visual representing their outside readings.
- Have students become the instructors using that visual.



150

## 99 Second Quotes and Set Time Presentations
### (L = Cost, M = Risk, M = Time)

- Everyone brings in a quote that they like from the readings
- You get 99 seconds to share it and explain why you choose it in a sync chat
- Options
  - Discussion wrapped around each quote
  - Link or debate quotes online

151

# CREATIVE THINKING



152

## April 11, 2021
### Brainstorming in Jamboard or Miro
### What is Innovative Education?
https://jamboard.google.com/



153

## August 27, 2021
### Brainstorming in Padlet
### What are some Technology Integration ideas?
https://padlet.com/basdogan2/ywl19ct98styolbw



154

## August 27, 2021
### Brainstorming in Padlet
### What is Education 3.0?
https://padlet.com/basdogan2/ywl19ct98styolbw



155

## September 4, 2021
### Brainstorming in Jamboard
https://jamboard.google.com/d/1Kj1vX4iXa2RgES0H58laB_cW-LieoEUzMDDFj88eP00/viewer?f=4



156

**March 7, 2022**
**Brainstorming in Padlet**
**MOOC Perceptions**
https://padlet.com/basdogan2/ywl19ct98styolbw

157



**October 2, 2021**
**Brainstorming Lists in Jamboard**
https://jamboard.google.com/d/1uf5b2OJdvciFVIO5qhaIxuGCLQ3xP-mIGPvF7kdjKA4/viewer?f=5

158



**October 2, 2021**
**Reverse Brainstorming in Jamboard**
https://jamboard.google.com/d/1uf5b2OJdvciFVIO5qhaIxuGCLQ3xP-mIGPvF7kdjKA4/viewer?f=5

159



**October 2, 2021**
**Visualization with Miro**
**(Dr. Merve Basdogan)**
https://miro.com/app/board/o9J_luxjzb0=/#
Tutorial: https://www.youtube.com/watch?v=pULLAEmhSho

160



**February 27, 2022**
**Discussion Recap in Mindmeister**
https://www.mindmeister.com/map/2198250344?t=ZX2d0zv6qO
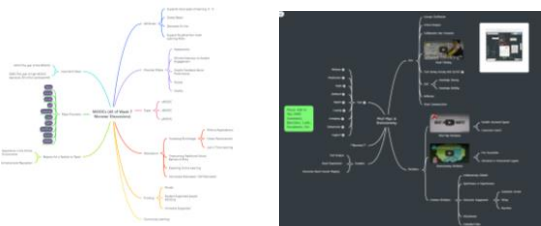
161



**April 30, 2020**
**Word Clouds of Discussion Forums**
**(e.g., Tagzedo, Tagul, WordSift, Word It Out):**
https://www.wordclouds.com/

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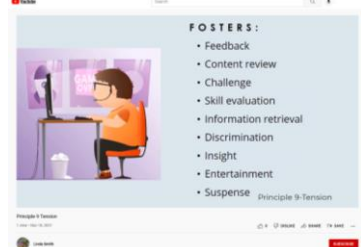


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**321 Recap or Summary**
**3 = Takeaways**
**2 = Things you knew already**
**1 = Question you have**
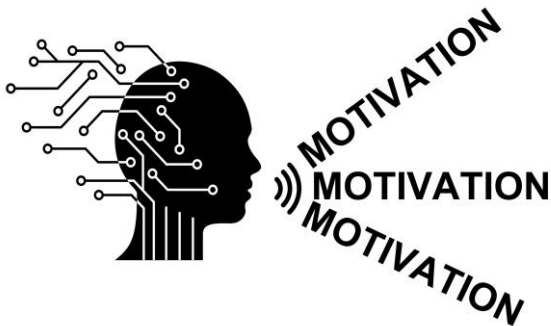


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**333**
**3 = Good things**
**3 = Bad things**
**3 = Questions**



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**Poll #6: Any light bulbs going off in you head so far?**

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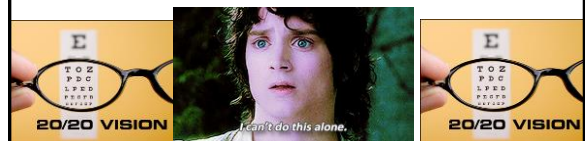f. There's no hope with this idiot presenting.



184

**Chat Window Sharing:**
**Three Words from this Session...?**
**e.g., "I am happy!" and...**
**"minions are happy!"**



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**Remember...**
**"I cannot do this alone."**
**"I cannot do this alone."**
**"I cannot do this alone."**
**"I cannot do this alone."**



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