


Blend but Don't Break:
Introducing the TEC-VARIETY AND R2D2 Models
for Motivation and Engagement

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1

June 14, 2021
Combining Online Courses With In-Person Supports, 'Hybrid Colleges' Unite
Rebecca Koenig, Ed Surge
<https://www.edsurge.com/news/2021-06-14-combining-online-courses-with-in-person-supports-hybrid-colleges-unite>



2

June 17, 2021
How can higher ed move blended learning forward?
Jessica Rowland Williams, eCampus News
<https://www.ecampusnews.com/2021/06/17/how-can-higher-ed-move-blended-learning-forward/>



How can higher ed move blended learning forward?

Jessica Rowland Williams, Ph.D., Director, Every Learner Everywhere
June 17, 2021
A new resource can help higher education faculty optimize blended learning strategies and options

Planning for a Blended Future
A Research-Driven Guide for Educators

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June 17, 2021
Planning for a Blended Future:
A Research-Driven Guide for Educators
<https://www.everylearnereverywhere.org/resources/planning-for-a-blended-future/>




Figure 5: Four-dimensional model of blended learning

Figure 6: Four-dimensional model of learning illustrating an instructor-centered remote course using synchronous video.

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June 17, 2021
Planning for a Blended Future:
A Research-Driven Guide for Educators
<https://www.everylearnereverywhere.org/resources/planning-for-a-blended-future/>




Figure 11: Visualization of a blended program.

Planning for a Blended Future // Re/defining the Blend

Page 21

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June 17, 2021
Planning for a Blended Future:
A Research-Driven Guide for Educators
<https://www.everylearnereverywhere.org/resources/planning-for-a-blended-future/>

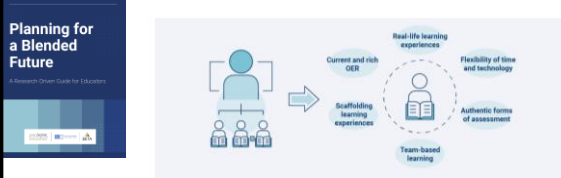


Figure 1: The pedagogical shift from instructor-led to student-centered.

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June 17, 2021 Free Book: Hybrid-Flexible Course Design

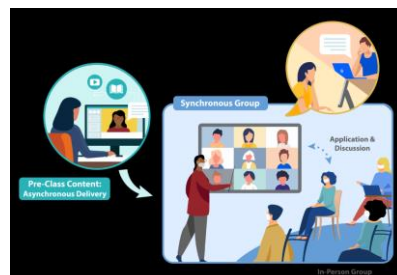
<https://edtechbooks.org/hyflex>



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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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Fall 2021 Hybrid Modality: HyFlex Teaching

<https://instructionalcontinuity.georgetown.edu/pedagogies-and-strategies/hybrid-hyflex-teaching/>
In a HyFlex course, courses are delivered both in person and online at the same time by the same faculty member. For any given class meeting, some students might participate in person, while others might participate at the same time online, made possible by a combination of cameras, microphones, displays, and other technology in the classroom.



Some considerations for Concurrent or HyFlex Teaching and Learning

The physical campus constraints and health guidelines will make teaching in a higher environment in the fall challenging.

• Room scheduling will require social distancing guidelines to be met, this means student in the classroom will be seated 6 ft apart and masks will need to be worn

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June 11, 2021 Why I Will Miss Zoom Teaching

Samuel Abrams, The Chronicle of Higher Education
<https://www.chronicle.com/article/why-i-will-miss-zoom-teaching>

Why I Will Miss Zoom Teaching

Professors have talked a lot about the downsides of online synchronous teaching, but it's had some benefits, too.

By Samuel J. Abrams | June 11, 2021



10

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>

A Pandemic Silver Lining? More People Are Talking About Teaching

By Beckie Supiano | June 2, 2021



This article is reprinted from a new Chronicle special report, "The Future of Teaching: How the Classroom Is Being Transformed," available in the Chronicle Store.



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October 6, 2020 Faculty Confidence in Online Learning Grows Doug Lederman, Inside Higher Ed

<https://www.insidehighered.com/digital-learning/articles/2020/10/06/covid-era-experience-boosts-faculty-belief-value-online>

Faculty Confidence in Online Learning Grows

Survey finds significant increases in professors' confidence in virtual learning and their sense of support from their colleges - but continuing concerns about equity for underrepresented students.

By Doug Lederman | October 6, 2020



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



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Part 1:
Introducing the TEC-VARIETY Model
<http://tec-variety.com/>
<http://tec-variety.com/TEC-VARIETY-Chinese.pdf>

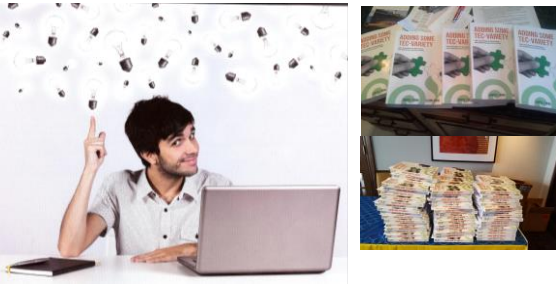
Tone/Climate
Encouragement, Feedback
Curiosity

Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products



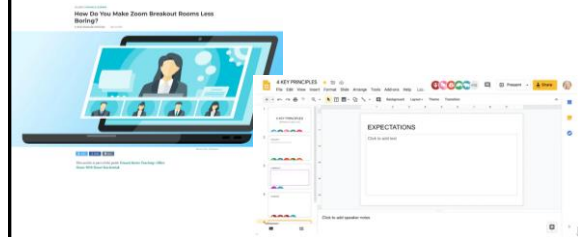
14

Examples of TEC-VARIETY



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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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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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April 11, 2021
1. Tone/Climate:
C. Brainstorming in Jamboard or Miro
<https://jamboard.google.com/>



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April 15, 2021

1. Tone/Climate:

D. Posting Ideas in Padlet

Idioms and Mother's Day Cards,

Heejung An, William Paterson University

I had my students record idioms (e.g., bite the bullet, break a leg, better late than never, easy does it, etc.) 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/omj6rd0atydyjiq>



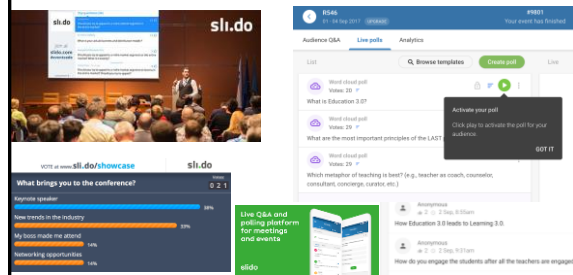
19

April 3, 2017

1. Tone/Climate:

E. Sli.do (students get a code; e.g., 9801)

<https://www.sli.do/>



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2. Encouragement, Feedback:

A. Voice/Audio Feedback

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

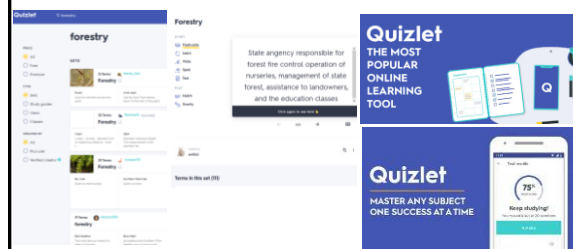


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2. Encouragement, Feedback:

B. Online Practice Tests and Interactive Flash Cards (e.g., Pharmacy, OT, etc.)

<http://quizlet.com/>



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March 22, 2021

2. Encouragement, Feedback:

C. Famous Stanford coding course seeks to repeat success of novel model of online learning (10,000 students, 120 countries, 900 volunteer teachers)

<https://news.stanford.edu/2021/03/22/famous-stanford-coding-course-free-online/>



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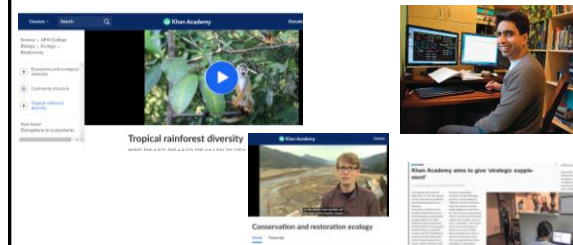
July 31, 2020

2. Encouragement, Feedback:

D. Khan Academy aims to give 'strategic supplement'

Brett Molina, USA Today

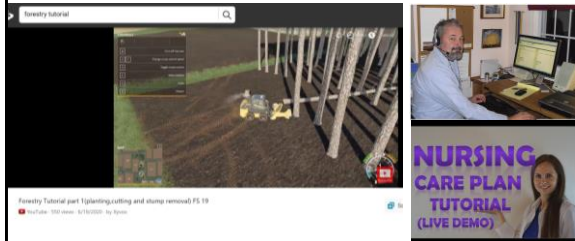
<https://www.usatoday.com/story/tech/2020/07/30/khan-academy-ceo-sai-khan-zipping-fall-virtual-learning/5525480002/>



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

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



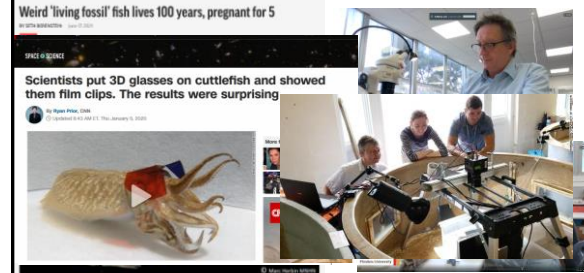
25

June 18, 2021 3. Curiosity, Intrigue, Unknowns: A. Multimedia News

Weird 'living fossil' fish lives 100 years, pregnant for 5
Seth Borenstein, AP News

<https://apnews.com/article/fish-science-environment-and-nature-0364a1007aea49574a2b68aee6009aaf>

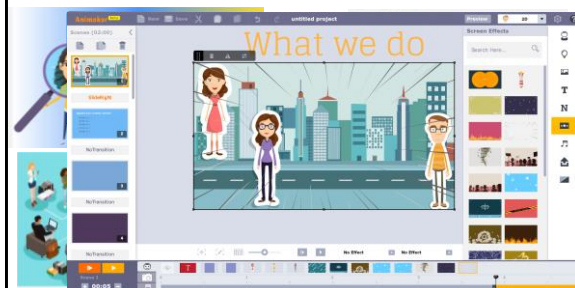
Video (55 seconds): <https://curtbonk.com/fish.html>



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June 27, 2020 4. Variety, Novelty, Fun, Fantasy: A. Create Animated Presentations

<https://app.animaker.com/animio/2h5b0Hz2qxUR35x4/7shared=video%7C2h5b0Hz2qxUR35x4>
Animaker is a cloud-based do-it-yourself video maker. Free version provides a lot of characters, props, transitions, and background images.



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

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



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

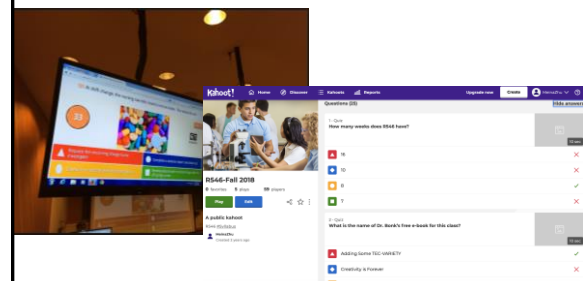
(Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)



29

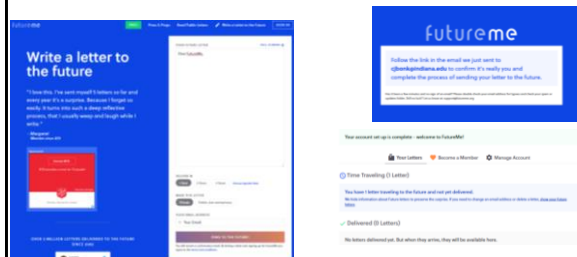
Fall 2018 R546 4. Variety, Novelty, Fun, Fantasy: D. Kahoot!

<https://getkahoot.com/>



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October 10, 2018
4. Variety, Novelty, Fun, Fantasy:
E. FutureMe.org
 Write a letter to the future
<https://www.futureme.org/>



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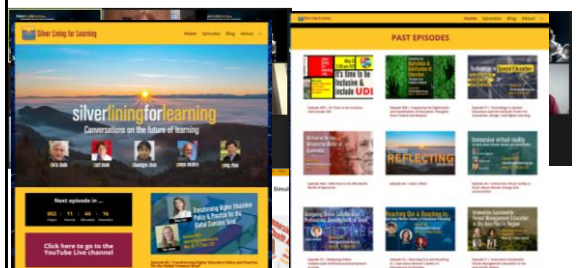
February 1, 2021
5. Autonomy, Choice:
A. Enroll in a MOOC and Reflect
 (e.g., see Class Central)

<https://www.cnn.com/2021/02/01/us/yale-good-life-class-trnd-wellness/index.html>
 (3.4 million enrolled, 28,500 reviews)



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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/UC9XEsh89qrIpmVVPQt-aA/live>



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5. Autonomy, Choice:
C. Tracking the Life of an Expert
 (e.g., biography.com)
<https://www.biography.com/scholar/john-muir>



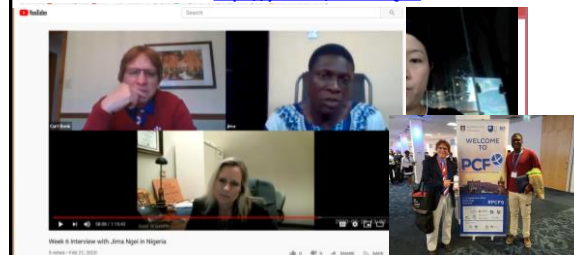
34

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/>



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April 6 and April 28, 2020
6. Relevance, Meaningfulness:
A. Weekly Guest Expert Chats
 SMILE, Paul Kim Stanford, <https://youtu.be/b7Ds1ihvLU>
 February 22, 2020, Jima Ngel in Nigeria (1 hour 15 minutes)
 Video: <https://youtu.be/sM6VMsfQJxc>



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6. Relevance, Meaningfulness: B. Case-Based Learning: Instructor Cases (e.g., Mark Braun, IU)

Stomach, endoscopic examination and biopsy:
Poorly differentiated tubular adenocarcinoma

Final conclusion:
Advanced gastric carcinoma with multiple lung metastasis with lymphatic growth

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March 20, 2018 6. Relevance, Meaningfulness: C. Editing Wikipedia Pages Women's-Studies Students Across the Nation Are Editing Wikipedia

College students take to Wikipedia to rewrite the wrongs of Internet science

Women's-Studies Students Across the Nation Are Editing Wikipedia

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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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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7. Interactive, Collaborative: B. Negotiate Meanings Online (e.g., MeetingWords: <http://meetingwords.com/>) Also: Google Docs, NowComment, etc. e.g., <https://nowcomment.com/documents/131228>

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

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July 8, 2020 8. Engagement, Involvement: A. Interactive Maps (Thinglink: interactive map creator; Google Map Adventures)

(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. Students can chart the path of a story on a map, they can connect historical info they are learning to the geographic location where events took place, and students can design creative mathematical challenges.

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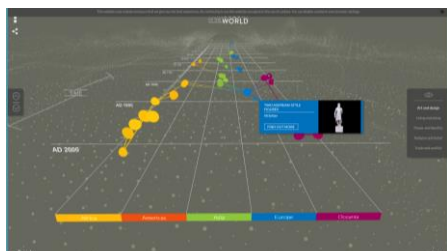
October 20, 2020

8. Engagement, Involvement:

A. Interactive Timelines

The British Museum

<https://britishmuseum.withgoogle.com/>

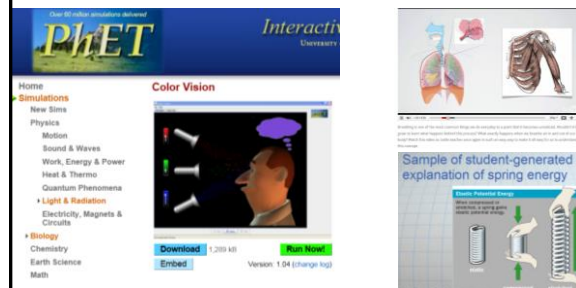


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8. Engagement, Involvement:

B. Interactive Labs and Simulations

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

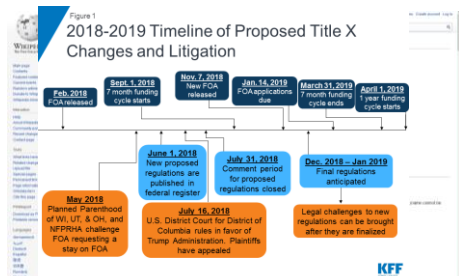


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8. Engagement, Involvement:

C. Interactive Timelines

(Sutori, xtimeline, Preceden, TimeLineCurator, etc.)



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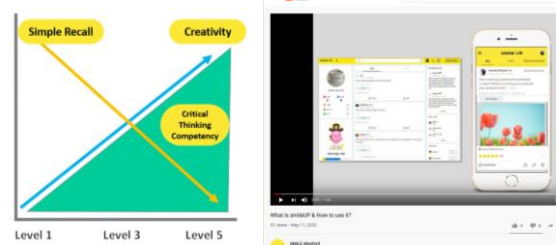
May 11, 2020

9. Tension, Challenge, Controversy, etc.:

A. What is smileUP & How to use it?

SMILE, Stanford

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



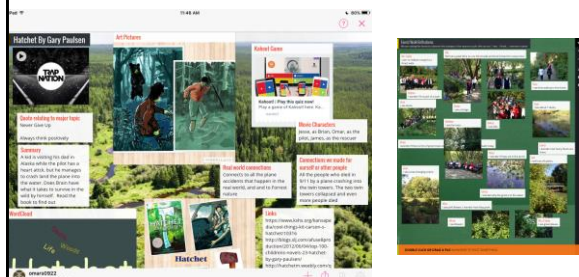
46

9. Tension, Challenge, Controversy, etc.:

B. Virtual Sharing Walls Competitions

e.g., Padlet (A collaboration and discussion board)

<https://padlet.com/samarast/urel07b3nwubivel>

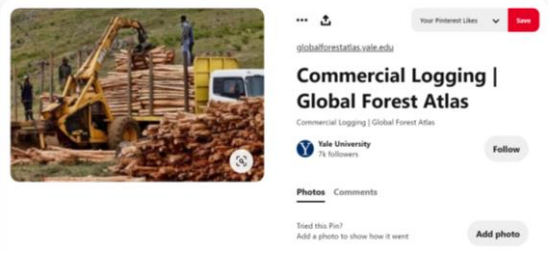


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10. Yields Products, Goals:

A. Database Collection Tools

Article Databases in Pinterest



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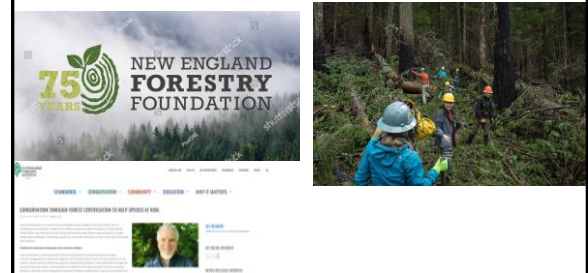
January 20, 2016 Read 1a. Listen to Podcasts

(e.g., preventive medicine podcast, NPR:
<https://www.npr.org/tags/206695374/preventive-medicine>)



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March 21, 2020 Read 1b. Read Blogs



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Read 1c. Twitter Fed Class Discussions <https://twitter.com/FAOForestry>



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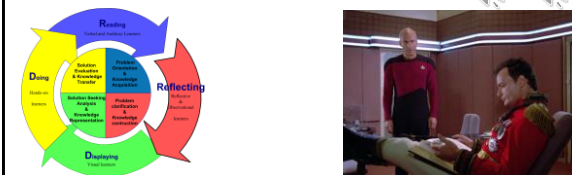
Read 1d. Reading from Open Access Journals (e.g., DOAJ—Directory of Open Access Journals) <https://doaj.org/>



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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



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Reflect 2a. Big Issue Reflections

Forestry & Society Forests of the U.S.—Questions	Probable Questions
<ul style="list-style-type: none"> • What are some major species of eastern forests? Describe them. • What are some major species of western forests? Describe them. What are some major species of southwestern forests? Describe them. Compare the productivity of temperate forests with tropical and boreal forests. • Describe the ownership pattern of forestland in the US. What were the major laws that determined US forest land policy? What did they do for US forest policy? 	<ul style="list-style-type: none"> • Discuss types of forests in Bangladesh. What are their issues of concerns? • What are the main objectives of the National Forestry Policy 1994? Discuss • For conservation of the forests and wildlife, the Government of Bangladesh has declared some areas as "Protected Areas". What are they? • What are the challenges of conservation of forests? Discuss

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Reflect 2b. Interpreting Interactive Graphs and Infographics



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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>



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



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

<ul style="list-style-type: none"> Controller/Executive Director/CEO/Leader Connector/Relator/Linker/Syntactician Decider/Judge/Settler Devil's Advocate/Critic/Censor Reflector/Thinker/Speculator/Observer/Watcher Warrior/Debater/Arguer/Conqueror/Bloodletter Idea Squelcher/Biased Preconceiver Slacker/Slough/Ship Surfer/Dude 	<ul style="list-style-type: none"> Artist/Idea Person/Visionary/Muse Planner/Predictor/Guesser/Flow Jetter Organizer/Starter/Founder/Initiator Questioner/Ponderer/Protector Adventurer/Discoverer/Explorer/Traveler Mediator/Negotiator/Compromiser/Peacekeeper Watchdog/Evaluator/Measurer Creative Energy/Inventor/Generator/Brainstormer 	<ul style="list-style-type: none"> Optimist/Open-minded/Idealist Robotic/Information Dumpster/Spook-like Absent Minded/Stamper/Dense/Aimless Coach/Facilitator/Inspirator/Trainer Guide/Mentor/Teacher/Scaffolder Humanitarian/Do Gooder/Fund Raiser Funny/Humorous/Comic/Witty Advisor/Responder/Helper/Tutor Worldly/Wiseperson/Sage/Guru/Spiritual Leader
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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."

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3. Visual Learners

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



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April 29, 2020

Display 3a. 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=UcFDdfeQ8g>



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Do 4a. Sample Student Work

e.g., Interactive Archive/Gallery of best work



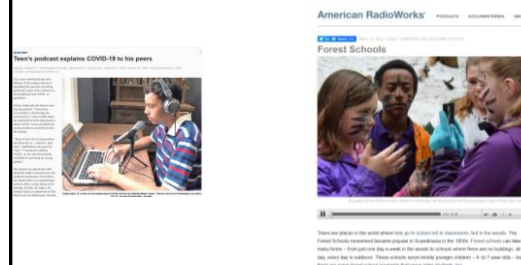
73

August 6, 2020

Do 4b. Student Podcast Shows

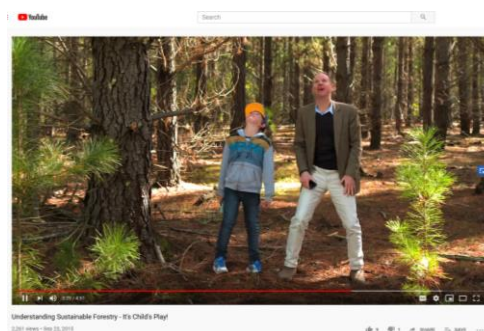
Teen's Podcast explains COVID-19 to his peers
Janey Begley, USA Today, TC Palm

<https://www.tcpalm.com/story/life/2020/08/06/Florida-youth-starts-podcast-explaining-covid-19-teens/331212000/>



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Do 4c. Demonstration Videos



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May 3, 2021

Do 4d. Student Designed Website

Amy Papst, R511 Final Project, IST

Video (5:03): https://www.youtube.com/watch?v=Lil7Q_F0ULw



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June 18, 2021

Do 4e. 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>.



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The World is Open for you now...!



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**We are entering a jumping
off point...**



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Things are heating up!



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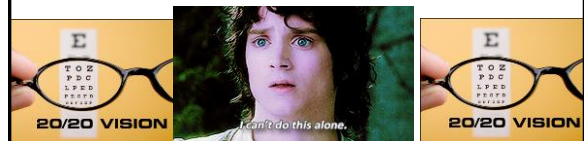
**A Blended Learning
Revolution is coming
within reach!**



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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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Any Questions or Comments?

Slides at: TrainingShare.com

Papers: PublicationShare.com

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

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