

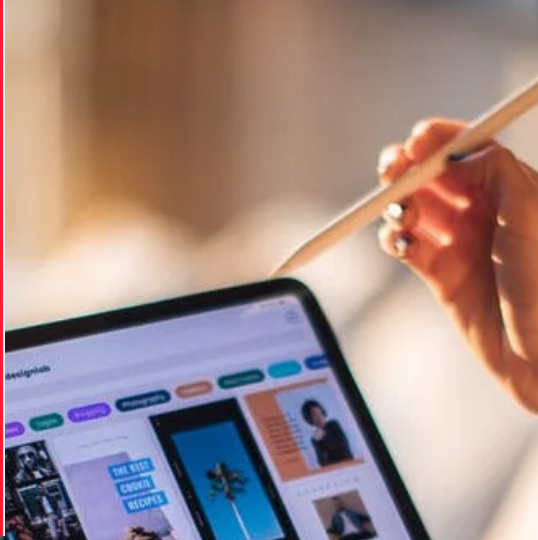
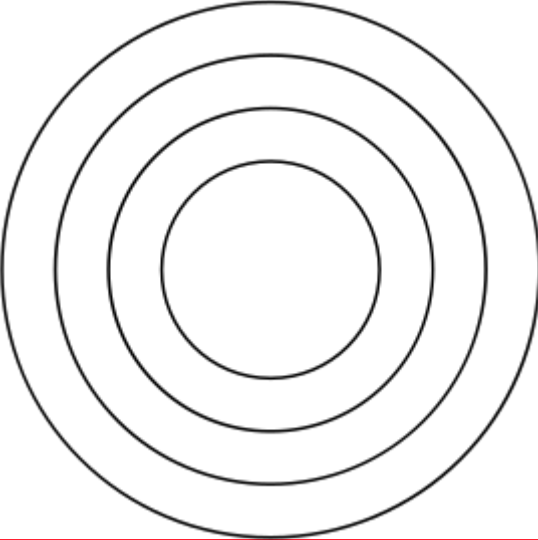


Learning Through Change: Indiana's Back to School Summit

Remote Learning Strategies

Dr. Detra Price-Dennis

Dr. Curtis Bonk



Indiana Youth Institute

Leading through Change

Reimagining Literacy Education
for Remote Learning

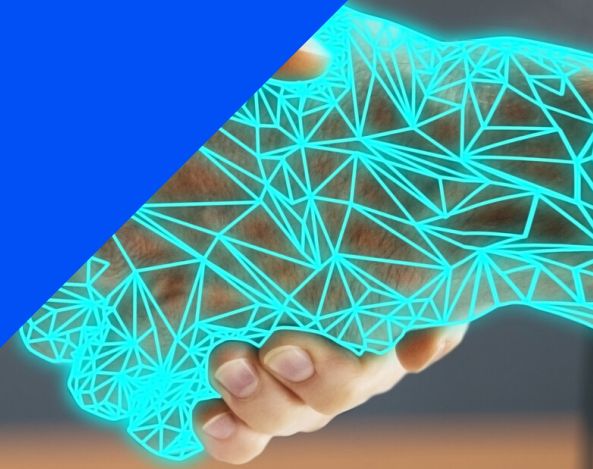
Dr. Detra Price-Dennis
Teachers College, Columbia University
@detramichelle

Research

DIGITAL
LITERACIES

CULTURALLY
RESPONSIVE
CURRICULUM

MEDIA &
TECHNOLOGY





Literacy in the Digital Age



Participate in
networked world



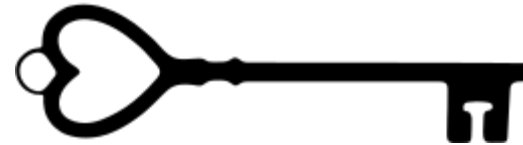
Amplify
narratives



Multimodal



Ethics



Equitable access to tools,
texts, and information



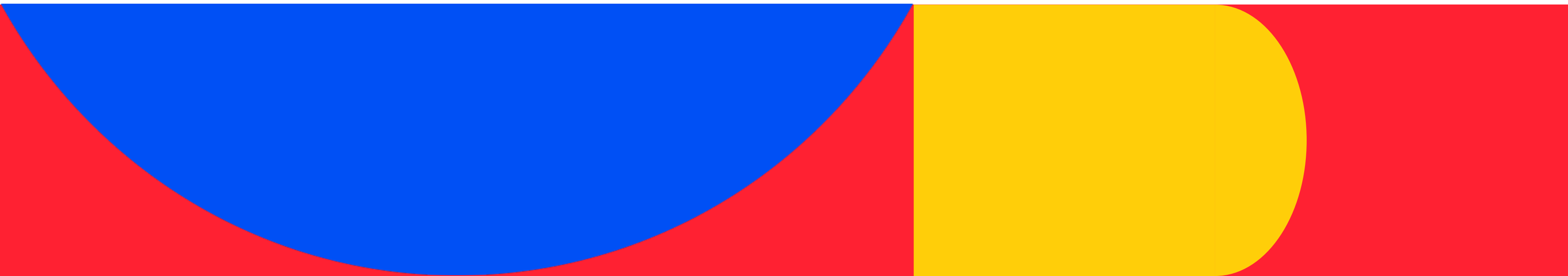
Develop
multilingual
practices



Foster
cosmopolitanism



Culturally
responsive



Tools

What tools are available to support online teaching and learning?



What does this mean for instruction?



REIMAGINE



ENGAGE



EXAMINE



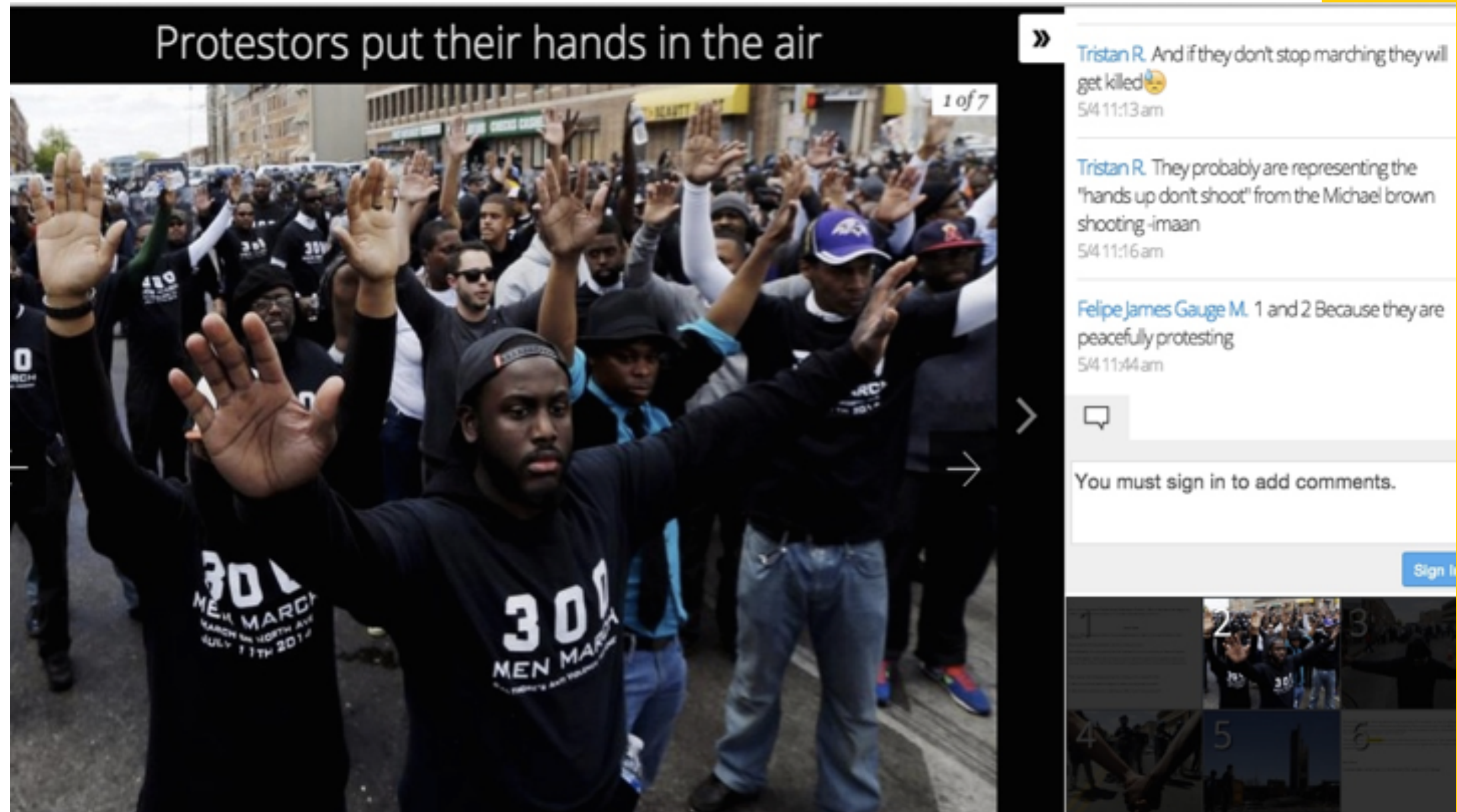
CREATE



ASSESS



REIMAGINE



ENGAGE

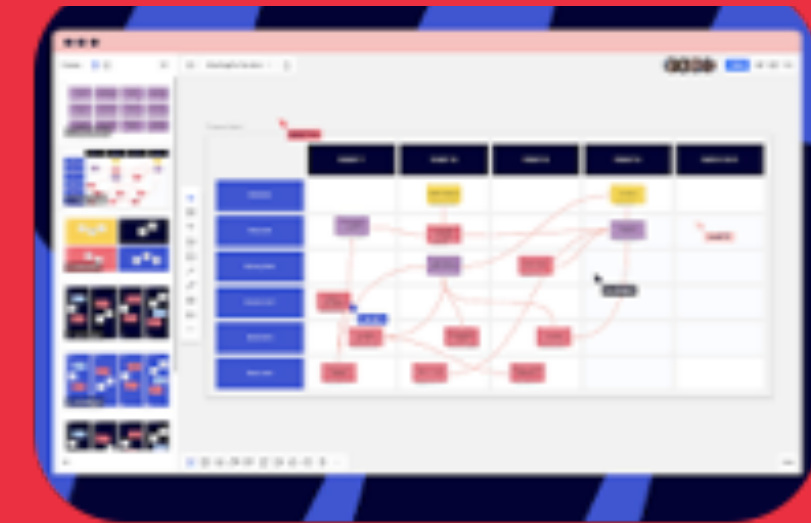
What tools are available to support online teaching and learning?



Participation



Sharing work



Processing ideas



Exploring content

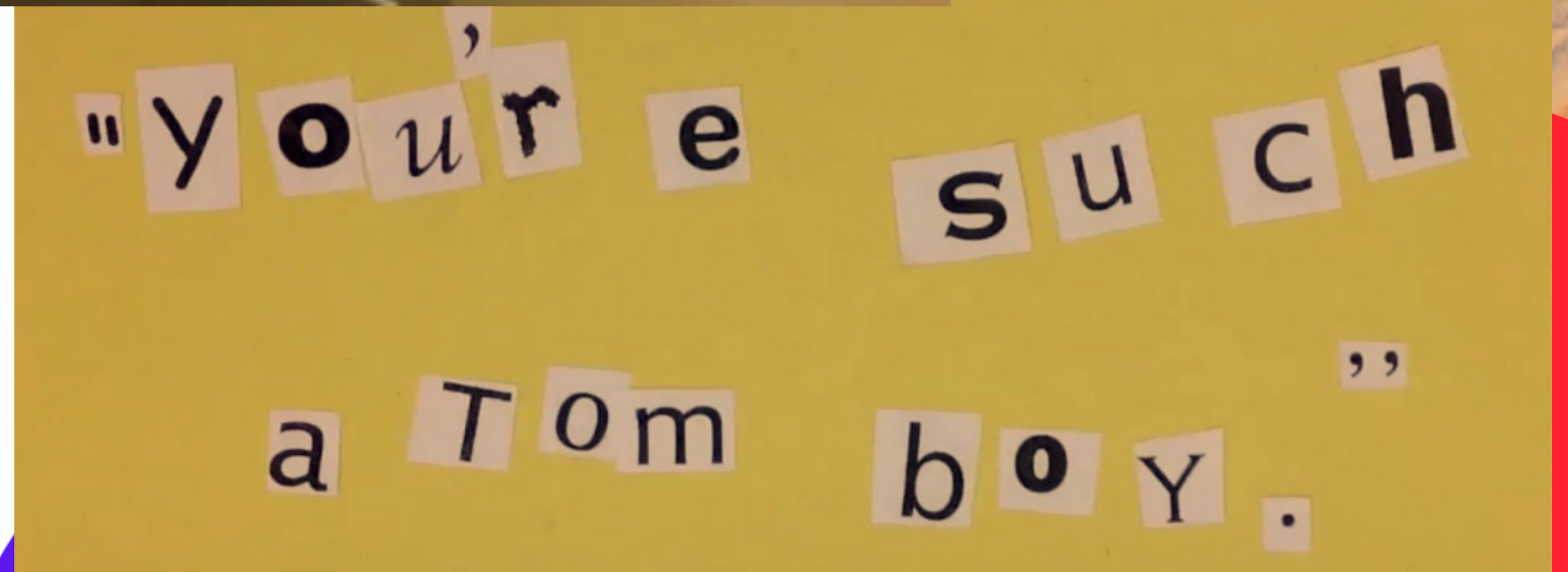


EXAMINE

How can students develop their own critical inquiries about topics that matter to them?

CREATE

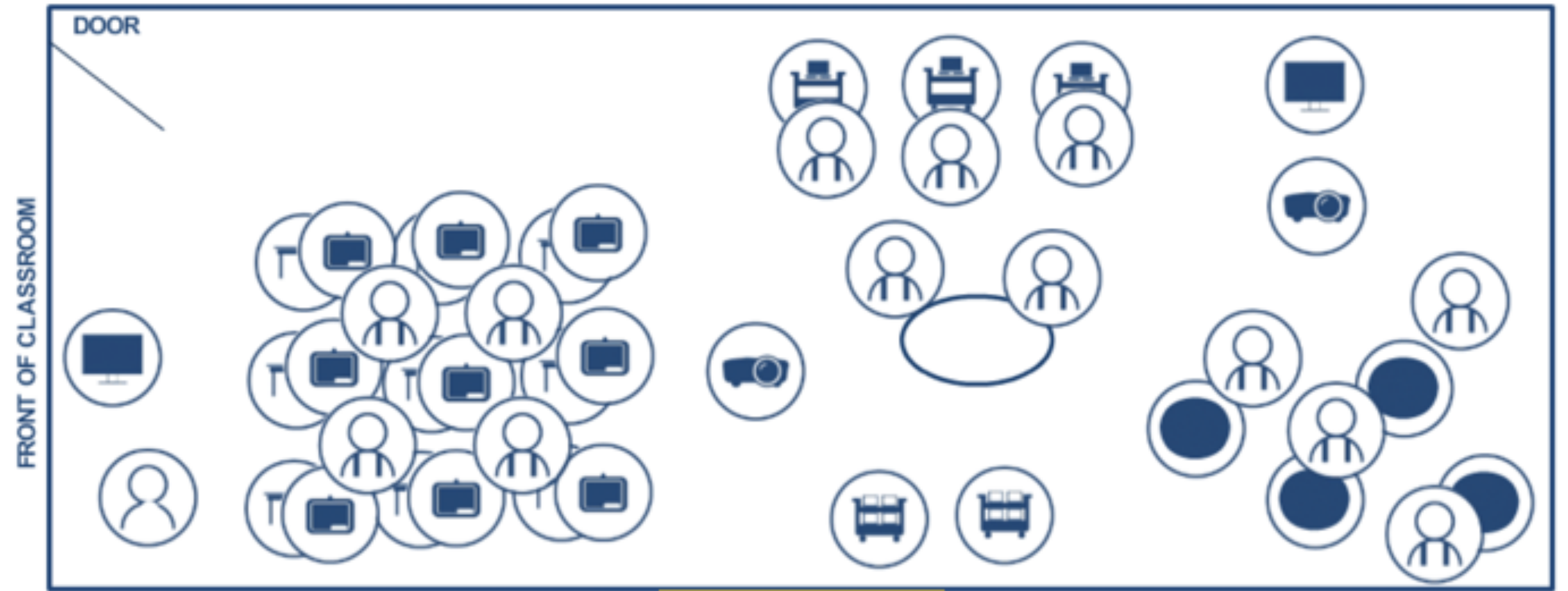
How are students engaged in multimodal production to share what they learn?





ASSESS

How do we assess what students are learning and provide them with meaningful feedback?



Simulation
The Virtual Classroom Builder

ROUND TABLE

MAIN RD

LAPTOP
DESKTOP STATION
LAPTOP CART
SCREEN
PROJECTOR
TABLETS
DESK
STATIONERY
BEAN BAG
SPEECH BUBBLE
TEACHER
STUDENT



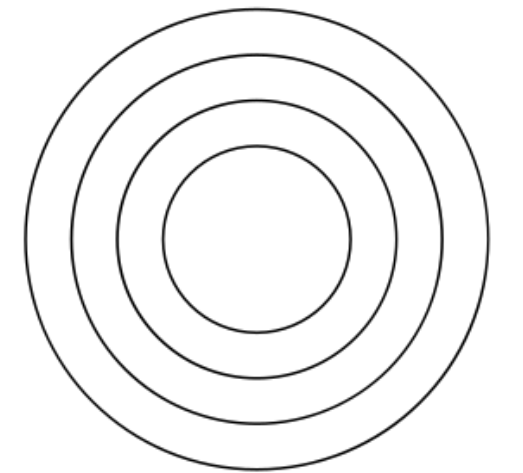
Are your students positioned as producers of knowledge in ways that address social inequities for diverse publics?

How do you engage students in multimodal texts that reflect their interests and foster civic engagement?



Thank You!

DETRA PRICE-DENNIS
@DETRAMICHELLE
Justlitproject.com

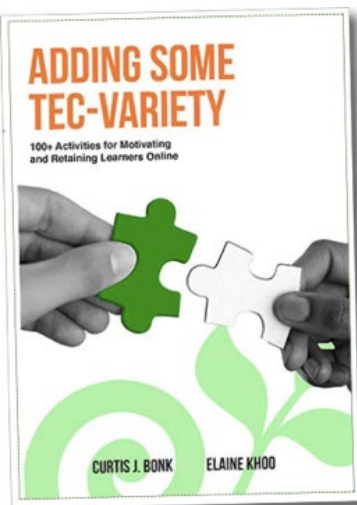


Indiana Youth Institute: Learning Through Change

Remote Learning Strategies: Introducing the TEC-VARIETY and R2D2 Models

**Curtis J. Bonk, IST Professor
Indiana University**

cjbonk@indiana.edu; <http://curtbonk.com/>



May 27, 2020

Back to school? 1 in 5 teachers are unlikely to return to reopened classrooms this fall, poll says

Susan Page, USA Today

<https://www.usatoday.com/story/news/education/2020/05/26/coronavirus-schools-teachers-poll-ipsos-parents-fall-online/5254729002/>

EDUCATION

Back to school? 1 in 5 teachers are unlikely to return to reopened classrooms this fall, poll says

Susan Page USA TODAY

Published 10:42 a.m. ET May 26, 2020 | Updated 1:38 p.m. ET May 27, 2020



Exclusive Poll: 1 in 5 teachers may not return to reopened classrooms

Most Americans expect schools to reopen in the fall, but teachers and parents express significant resistance, according to an exclusive USA TODAY/Ipsos poll. *Alexis Arnold, USA TODAY*

What parents and teachers say

● Parents ● Teachers

Teachers are working harder



Teachers are having a harder time doing their job



I am worried about the children right now



Distance learning is causing the children to fall behind



The children will eventually be able to make up any lost ground



Public teachers are paid fairly



Schools in my area are likely to reopen in the fall



July 8, 2020

Yes, Your Zoom Teaching Can Be First-Rate

Stephen Hersh, Inside Higher Ed

<https://www.insidehighered.com/advice/2020/07/08/faculty-member-and-former-ad-executive-offers-six-steps-improving-teaching-zoom>

Yes, Your Zoom Teaching Can Be First-Rate



steps for how you



20 New Roles of the Instructor

Course Ambassador
Captain **Curator** **Consumer Advocate**
Counselor
Conductor **Concierge** **Cook** **Change Catalyst**
Comedian
Camping Trip Guide
Consultant **Coach**
Course Expedition Leader
Community Organizer **Collaborator**
Chemist **Care Giver**
Cultivator **Colleague**



Bonk's 20 "Last" Principles of Instruction (LAST = Learning Activation System Template)

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>

Flexibility
Convenience
Collegiality
Cheerfulness and Optimism
High Expectations
Empowerment and Autonomy
Support and Feedback
Spontaneity
Organization
Sharing
Purpose and Vision
Nontraditional Learning
Passion and Inspiration
Relevance and Meaningfulness
Trial and Error (i.e., it is ok to fail)
Expanded Resources
Human Connectedness
Cognitive Apprenticeship
Choice and Options
#20 ???

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.



Make Commitments:

Stop and Share in Q & A Window:

Which principle(s) of TEC-VARIETY will you use?

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



Tone/Climate

Encouragement, Feedback

Curiosity

Variety

Autonomy

Relevance

Interactive

Engagement

Tension

Yields Products

What motivates?

1. **T**one/Climate: Psychological Safety, Comfort, Sense of Belonging
2. **E**ncouragement: Feedback, Responsiveness, Praise, Supports
3. **C**uriosity: Surprise, Intrigue, Unknowns
4. **V**ariety: Novelty, Fun, Fantasy
5. **A**utonomy: Choice, Control, Flexibility, Opportunities
6. **R**elevance: Meaningful, Authentic, Interesting
7. **I**nteractivity: Collaborative, Team-Based, Community
8. **E**ngagement: Effort, Involvement, Investment
9. **T**ension: Challenge, Dissonance, Controversy
10. **Y**ielding Products: Goal Driven, Purposeful Vision, Ownership

1. Tone/Climate:

A. Instructor Course Introductions



2. Encouragement, Feedback:

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

<http://quizlet.com/>

Quizlet Search Create

Pharmacy Questions

STUDY

- Flashcards
- Learn
- Write
- Spell
- Test

PLAY

- Match
- Gravity

The Food, Drug, and Cosmetic Act of 1938 caused the creation of what agency?

1/120

Created by katiearas20

Terms in this set (120)

The Food, Drug, and Cosmetic Act of 1938 caused the creation of what agency?	FDA	★ 🔊
The Kefauver-Harris Amendment required that new drugs be proved ___ before being marketed.	effective	★ 🔊

Terms in this set (52)

___ is defined as the treatment of an illness or disability	Therapy
A. Occupation	
B. Therapy	
C. Goal	
D. Activity	
The interaction between person, environment, and occupation results in:	Occupational Performance
A. Independence	
B. Occupational Performance	
C. Occupational Adaptation	
D. Competence	
___ refer to basic units of action	Tasks
A. Occupations	
B. Activities	
C. Tasks	
Which of the following is an example of a clinical doctorate?	OTD
A. OTD	
B. PhD	
C. MOT	
D. ScD	

Quizlet

THE MOST POPULAR ONLINE LEARNING TOOL



Quizlet

MASTER ANY SUBJECT ONE SUCCESS AT A TIME



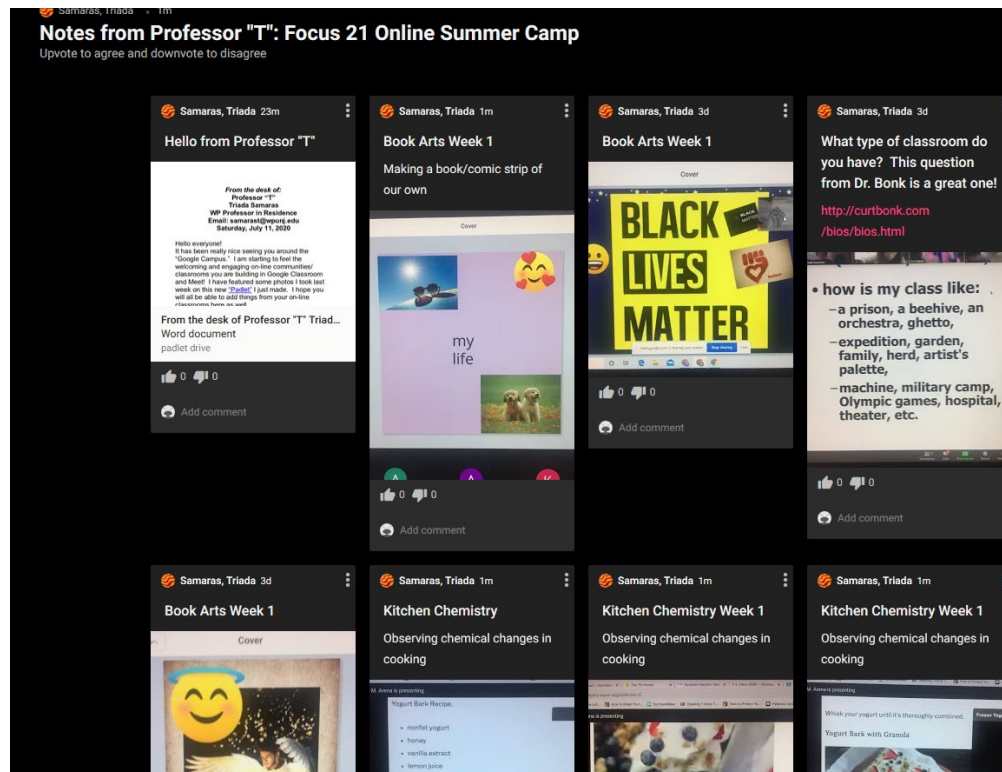
July 14, 2020

2. Encouragement, Feedback:

B. Virtual Sharing Walls

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

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



July 7, 2020

3. Curiosity, Intrigue, Unknowns:

A. New Discoveries

'Tiny bug slayer': Meet the pint-size ancient ancestor of dinosaurs discovered in Madagascar

Ryan W. Miller, USA Today

<https://www.usatoday.com/story/news/nation/2020/07/07/kongonaphon-kely-ancient-dinosaur-ancestor-tiny-had-fuzzy-skin/5389075002/>

Video: 53 seconds

'Tiny bug slayer': Meet the pint-size ancient ancestor of dinosaurs discovered in Madagascar

Ryan W. Miller USA TODAY

Published 9:42 a.m. ET Jul. 7, 2020 | Updated 3:14 p.m. ET Jul. 7, 2020



Tiny dinosaur relative specimen discovered in Madagascar

Scientists report the discovery of a "shockingly small" predecessor to dinosaurs and pterosaurs. GeoBeats, GeoBeats

A pint-size predator to bugs may provide scientists clues about the ancient ancestors of dinosaurs and pterosaurs, a study published Monday suggests.

Standing about 4 inches tall, Kongonaphon kely could be one of the last common

'Crazy beast' lived among last of dinosaurs

🕒 29 April 2020



REUTERS

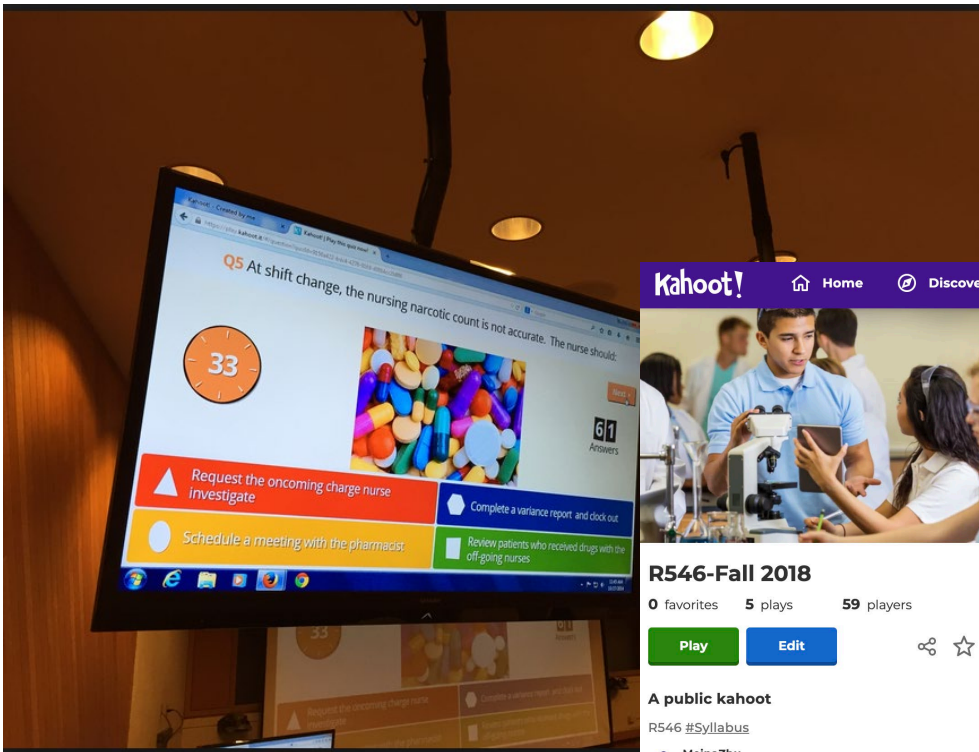
Researchers believe this animal, roughly the size of a domestic cat, lived alongside the last dinosaurs

Fall 2018 R546

4. Variety, Novelty, Fun, Fantasy:

A. Kahoot!

<https://getkahoot.com/>



Kahoot! Home Discover Kahoots Reports Upgrade now Create MeinaZhu

R546-Fall 2018
0 favorites 5 plays 59 players
Play Edit

A public kahoot
R546 #Syllabus
MeinaZhu
Created 2 years ago

Questions (25) Hide answers

1 - Quiz
How many weeks does R546 have?

16	✗
10	✗
8	✓
7	✗

2 - Quiz
What is the name of Dr. Bonk's free e-book for this class?

Adding Some TEC-VARIETY	✓
Creativity is Forever	✗
Empowering Online Learning: 100+ Activities for R2D2	✗

5. Autonomy, Choice:

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

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

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

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

bio.



TODAY'S BIRTHDAY
Eva Longoria



WOMEN'S HISTORY MONTH
Madam C.J. Walker

PEOPLE IN THE NEWS NOSTALGIA CELEBRITY HISTORY & CULTURE FAMOUS LOOKALIKES CRIME & SCANDAL



Ada Lovelace Biography

Mathematician, Computer Programmer (1815–1852)

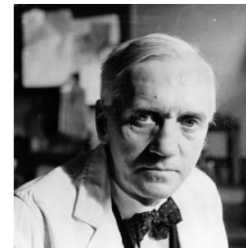
A gifted mathematician, Ada Lovelace is considered to have written instructions for the first computer program in the 1840s.

Synopsis

The daughter of famed poet Lord Byron, Augusta Ada Byron, Countess of Lovelace—better known as "Ada Lovelace"—was born in London, 1815. Ada showed her gift for mathematics at an early age. In 1842, she wrote an article on an invention by Charles Babbage, the first computer. Because she introduced many computer concepts, she is often called the first computer programmer. Ada died on November 27, 1852.

Years

Ada, born as Augusta Ada Byron, was the only legitimate daughter of Lord George Gordon Byron. Lord Byron's marriage to Anne Isabella Milbanke Byron, was not a happy one. He died from her husband only weeks after their daughter's birth. Later, Lord Byron left England, and Ada never saw him again.



Alexander Fleming Biography

Biologist (1881–1955)

UPDATED: JUN 26, 2019 • ORIGINAL: APR 27, 2017



Alexander Fleming was a doctor and bacteriologist who discovered penicillin, receiving the Nobel Prize in 1945.

Synopsis

Alexander Fleming was born in Scotland on August 6, 1881, and studied medicine, serving as a doctor in the British Army during World War I. He discovered penicillin in 1928 while working at St. Mary's Hospital in London. He died on March 20, 1955.

Early Years

Alexander Fleming was born in Scotland on August 6, 1881. His parents were John and Mary Fleming. He also had four brothers. He married his first wife, Louisa, in 1911. They had three children. Before moving to London, Fleming finished his basic education at the Regent Street Polytechnic (now the University of Westminster).

bio.



Steve Jobs Biography

Inventor (1955–2011)

Steve Jobs co-founded Apple Computers with Steve Wozniak. Under Jobs' guidance, the company pioneered a series of revolutionary technologies, including the iPhone and iPad.



Steve Jobs - Most Inspiring (1955-2011) Steve Jobs was one of the most influential people in the world. He was the co-founder of Apple Inc. and the first CEO of the company. He was known for his innovative thinking and his ability to inspire others. He died on October 5, 2011, at the age of 52.



Let's elevate the moment.



April 11, 2020

6. Relevance, Meaningfulness:

A. 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/>



June 27, 2020

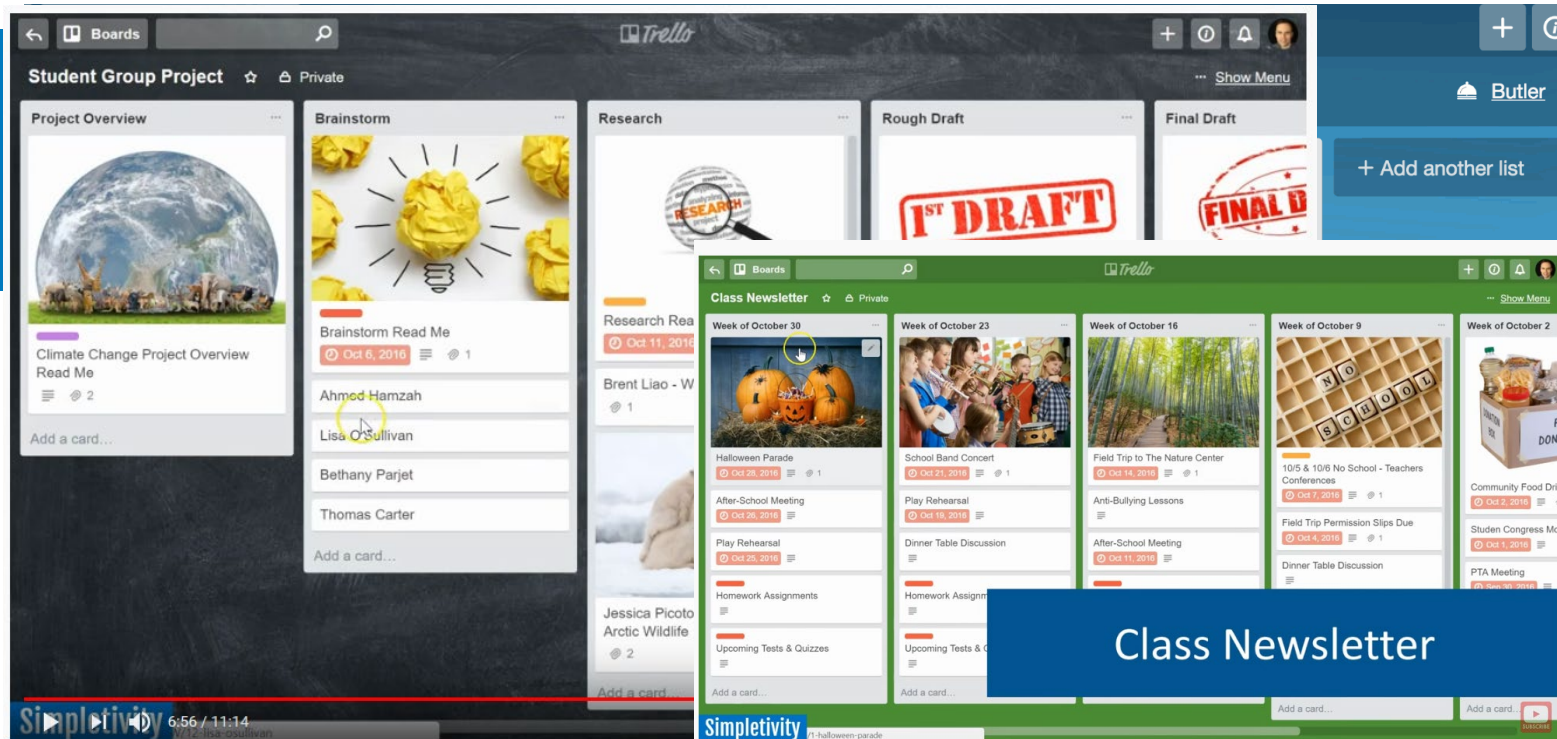
7. Interactive, Collaborative:

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>



8. Engagement, Involvement:

A. Interactive Labs and Simulations

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



Home

► Simulations

New Sims

Physics

Motion

Sound & Waves

Work, Energy & Power

Heat & Thermo

Quantum Phenomena

► Light & Radiation

Electricity, Magnets & Circuits

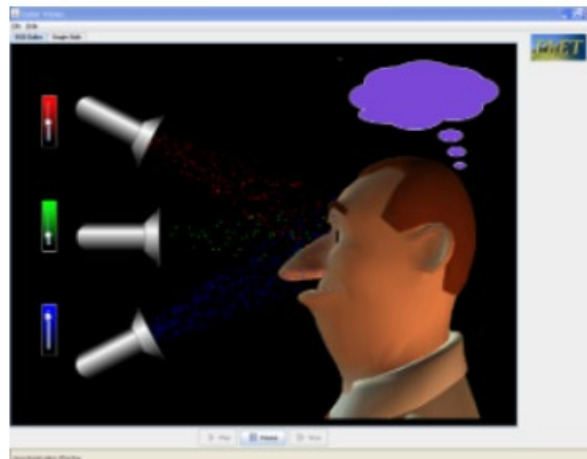
► Biology

Chemistry

Earth Science

Math

Color Vision

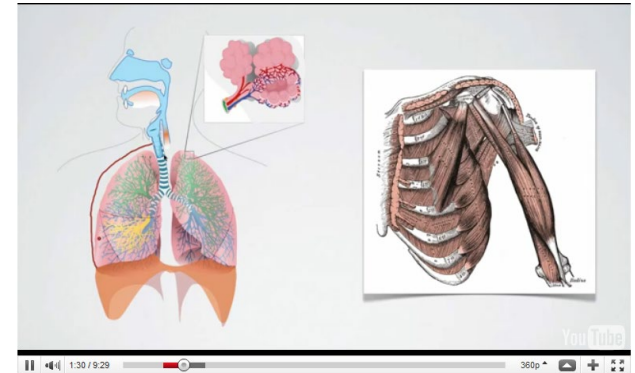


Download 1,289 kB

Run Now!

Embed

Version: 1.04 ([change log](#))



Breathing is one of the most common things we do everyday to a point that it becomes unnoticed. Wouldn't it be great to learn what happens behind this process? What exactly happens when we breathe air in and out of our body? Watch this video as Leslie teaches once again in such an easy way to make it all easy for us to understand this concept.

Sample of student-generated explanation of spring energy

Elastic Potential Energy

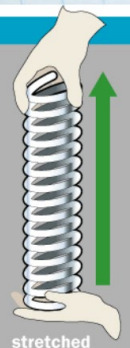
When compressed or stretched, a spring gains elastic potential energy.



static



compressed



stretched

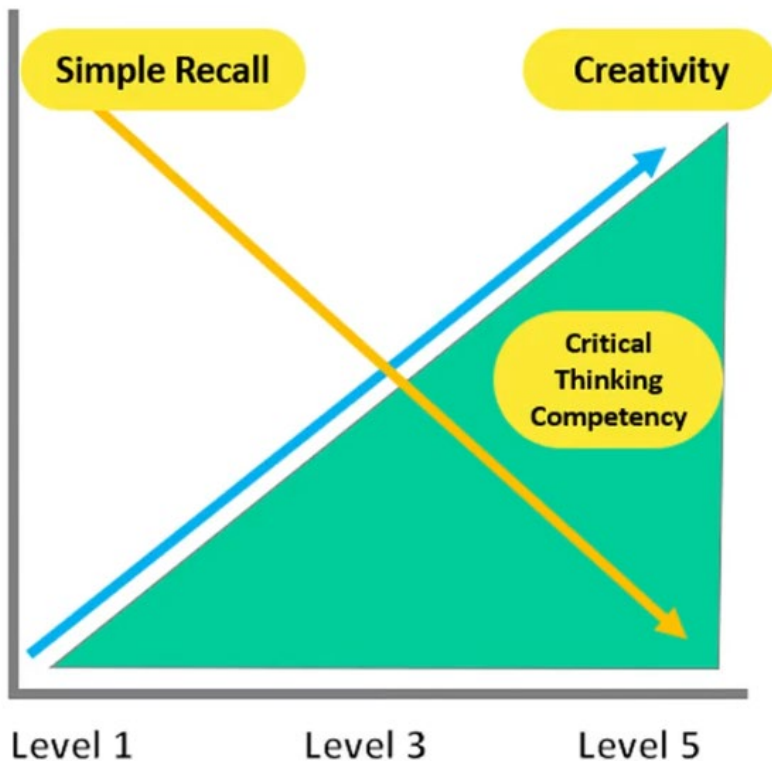
May 11, 2020

9. Tension, Challenge, Controversy, etc.:

A. What is smileUP & How to use it?

SMILE, Stanford

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

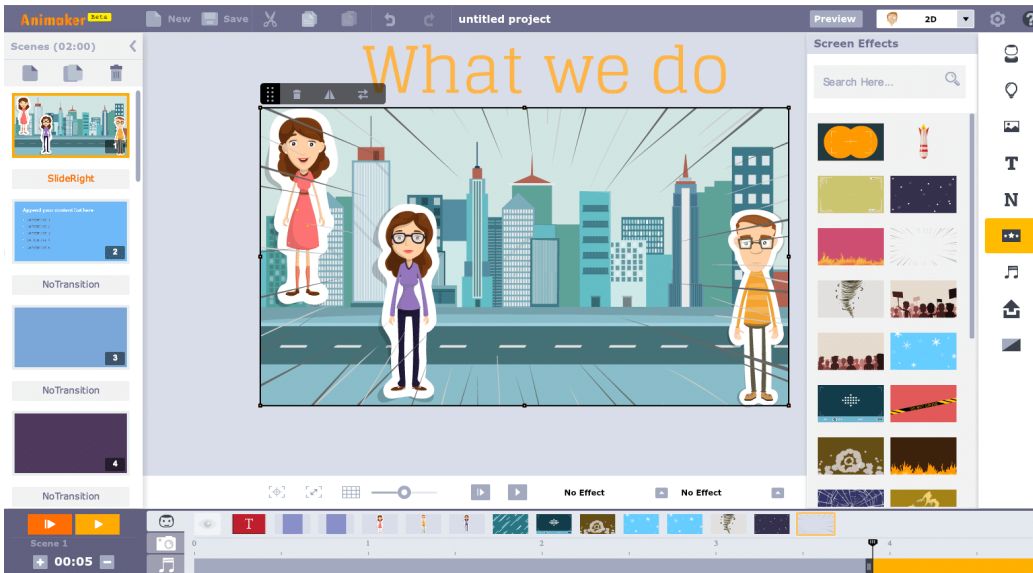


The screenshot shows a YouTube video player. The video title is 'What is smileUP & How to use it?'. The video shows a smartphone and a tablet displaying the smileUP app interface. The app has a yellow header with the 'smileUP' logo and a search bar. Below the header, there are tabs for 'ALL', 'HOT', and 'RECOMMENDED'. The main content area shows a list of questions and answers, including one about 'Why is water transparent, but the ocean isn't?'. The video player controls at the bottom show a progress bar at 0:09 / 7:48.

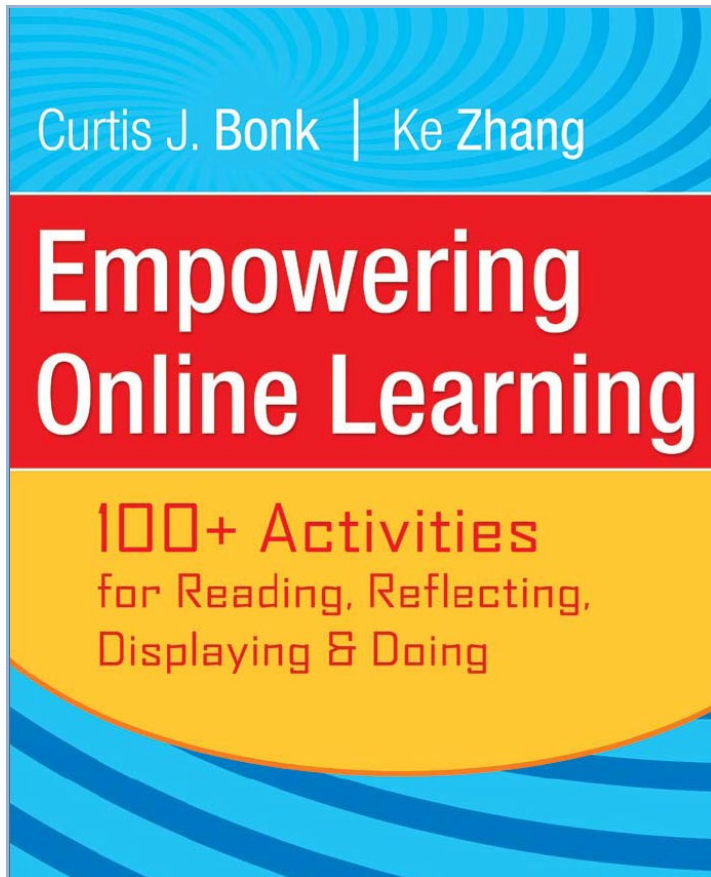
10. Yielding Products:

A. Class Project: Video, Podcast Show, Documentary, Website, Animation, Song, etc.

<https://app.animaker.com/animo/2h5b0Hz2gxURJ5x4/?shareid=view%7C2h5b0Hz2gxURJ5x4>



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

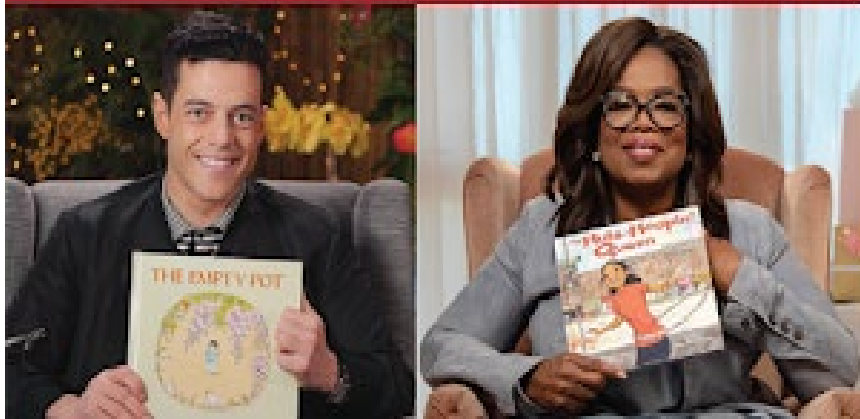


June 27, 2020

Read 1a. Storyline Online is a free literacy platform where kids can listen stories (where actors read to children).

<https://www.youtube.com/user/StorylineOnline>

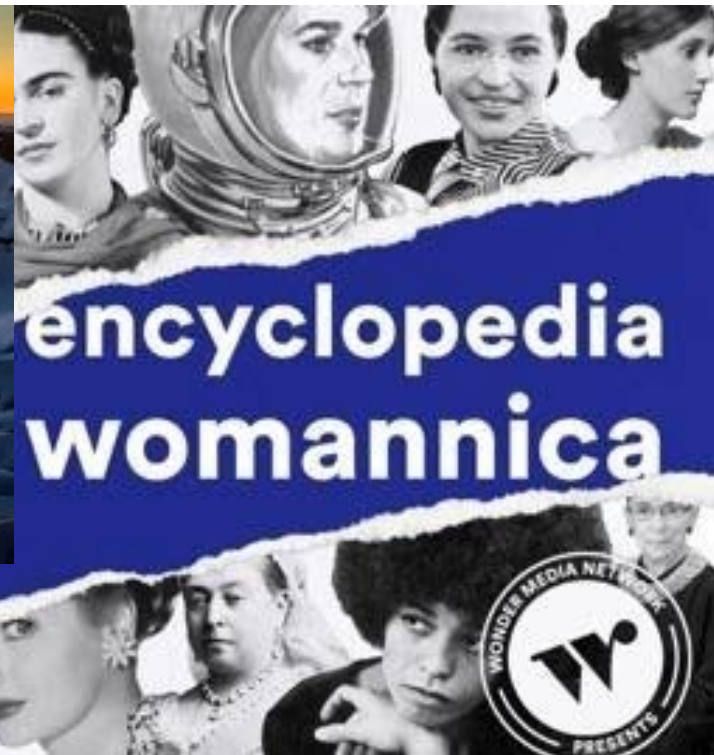
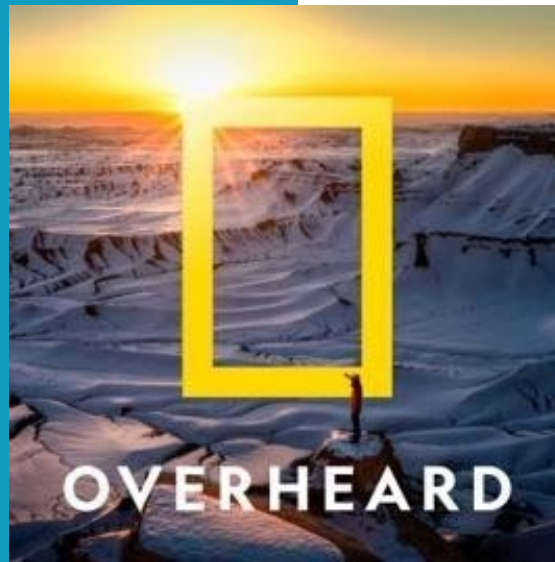
Storyline Online®



Reflect 2a. Listen to Podcasts

(e.g., Educational: <https://discoverpods.com/educational-podcasts/>)

**Climate
Cast**



MPRnews

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=UcFDdfueQRg>



COVID-19
Get the latest information from the CDC about COVID-19.

[LEARN MORE](#)

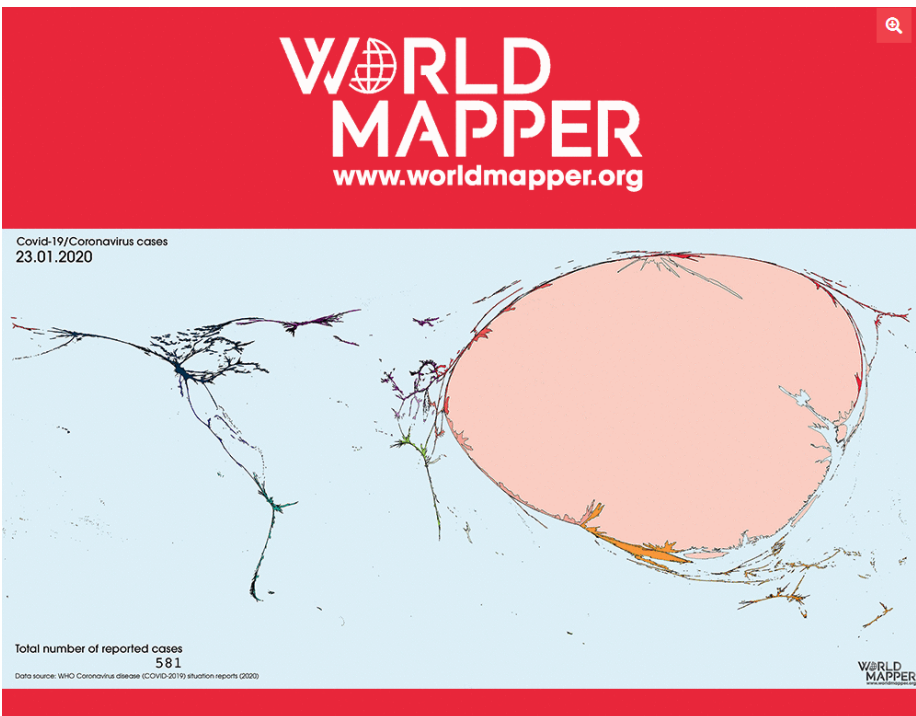


June 7, 2020

Display 3b. Animations of Data

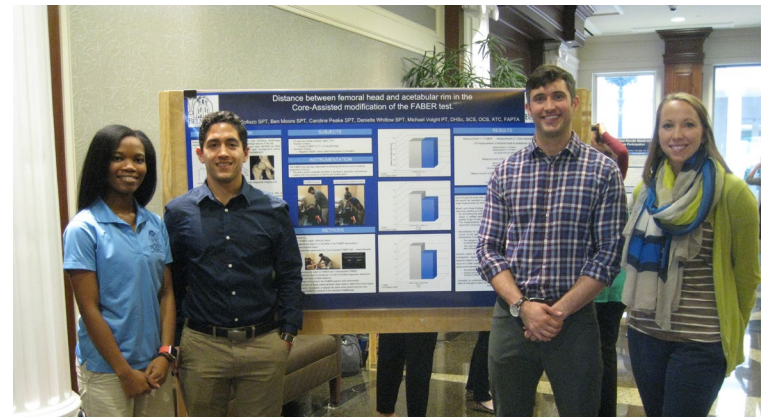
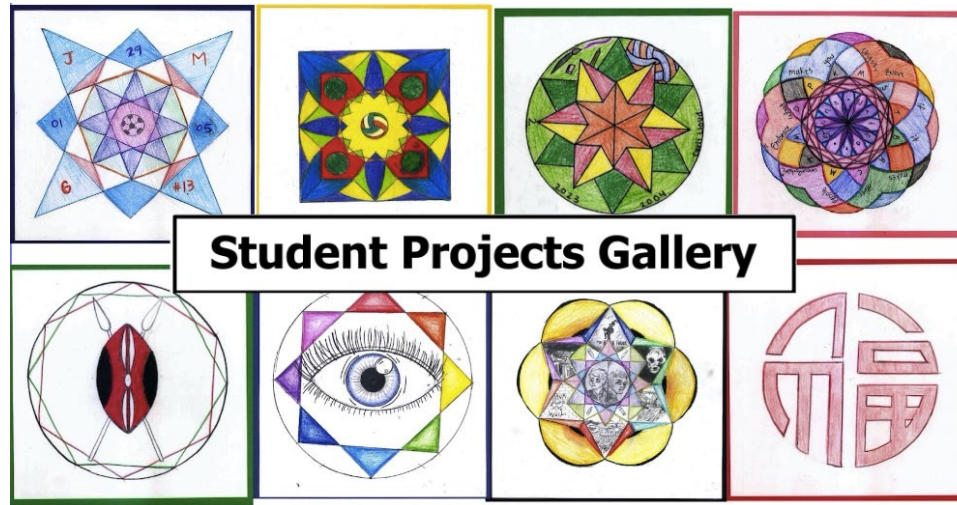
World Mapper, COVID-19

<https://worldmapper.org/map-animation-covid19/>
<https://www.youtube.com/watch?v=6uu1MGyGjvI>



Do 4a. Sample Student Work

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

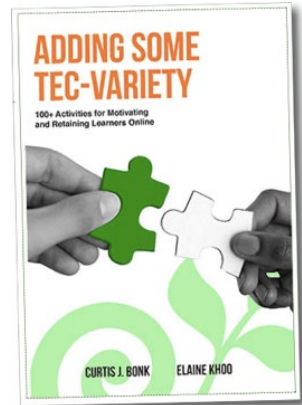


Any Questions or Comments?

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/>

