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
Protestors put their hands in the air
What tools are available to support online teaching and learning?
How can students develop their own critical inquiries about topics that matter to them?
How are students engaged in multimodal production to share what they learn?
How do we assess what students are learning and provide them with meaningful feedback?
Questions to Consider

How does the content you use reflect the current sociopolitical context in ways that centers criticality?

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

What parents and teachers say

- Teachers are working harder: 71% for Teachers, 83% for Parents
- Teachers are having a harder time doing their job: 83% for Teachers, 86% for Parents
- I am worried about the children right now: 60% for Parents, 86% for Teachers
- Distance learning is causing the children to fall behind: 46% for Teachers, 76% for Parents
- The children will eventually be able to make up any lost ground: 73% for Teachers, 64% for Parents
- Public teachers are paid fairly: 24% for Teachers, 40% for Parents
- Schools in my area are likely to reopen in the fall: 63% for Teachers, 65% for Parents
July 8, 2020

Yes, Your Zoom Teaching Can Be First-Rate
Stephen Hersh, Inside Higher Ed

20 New Roles of the Instructor

- Course Ambassador
- Curator
- Consumer Advocate
- Change Catalyst
- Comedian
- Coach
- Collaborator
- Care Giver
- Captain
- Counselor
- Conductor
- Consultant
- Community Organizer
- Concierge
- Camping Trip Guide
- Course Expedition Leader
- Cultivator
- Chemist
- Colleague
Bonk's 20 "Last" Principles of Instruction (LAST = Learning Activation System Template)

- Flexibility
- Convenience
- Collegiality
- Empowerment and Autonomy
- Support and Feedback
- Spontaneity
- Organization
- Sharing
- Choice and Options
- Nontraditional Learning
- Passion and Inspiration
- Relevance and Meaningfulness
- Trial and Error (i.e., it is ok to fail)
- Expanded Resources
- Human Connectedness
- Cognitive Apprenticeship

#20 ???

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html
Motivation Research Highlights
(Jere Brophy, Michigan State University)

1. Supportive, appropriate challenge, meaningful, moderation/optimal.
2. Teach goal setting and self-reinforcement.
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. 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
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/
2. Encouragement, Feedback:

B. Virtual Sharing Walls

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

https://padlet.com/samarast/urel07b3nwubivel
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


Video: 53 seconds

'Crazy beast' lived among last of dinosaurs

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

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 ancestors of dinosaurs and pterosaurs, the study published Monday suggests.

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/
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

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 1800s.

Synopsis
The daughter of famed poet Lord Byron, Augusta Ada Byron, Countess of Lovelace—better known as "Ada Lovelace"—was born in London on December 10, 1815. Ada showed her gift for mathematics at an early age, as she translated an article on an invention by Charles Babbage, the "Difference Engine." Because she introduced many computer concepts, she is often considered to be the first computer programmer. Ada died on November 27, 1852, at the age of 36.

Alexander Fleming Biography
Bacteriologist (1881–1955)

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

Synopsis
Alexander Fleming was born in 1881. His parents died when he was young. He was orphaned at age 6 and was sent to live with a relative. Fleming studied medicine at St. Mary's Hospital Medical School and the University of London. In 1929, while working at the Lister Institute in London, Fleming discovered penicillin. He shared the Nobel Prize for Physiology or Medicine in 1945.
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/
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
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
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
Reflect 2a. Listen to Podcasts
(e.g., Educational: https://discoverpods.com/educational-podcasts/)
April 29, 2020
Display 3a. Animated Videos
Animated COVID-19 prevention video goes viral
Mandy Erickson, SCOPE Stanford Medicine
https://www.youtube.com/watch?v=UcFDdfueQRg
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/