

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.





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

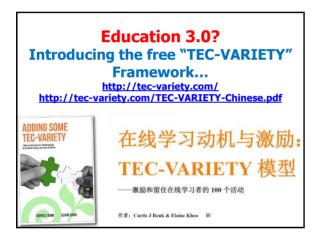
(i.e., it emerges from needs, inner strivings, and personal curiosity for growth)

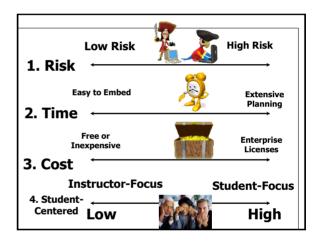
See: Deci, E. L., & Ryan, R. M. (1985). *Intrinsic motivation and self-determination in human behavior*. NY: Plenum Press.

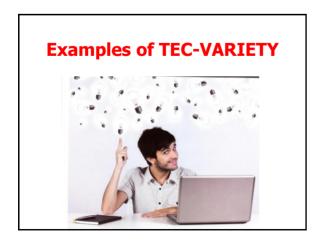


Framework: TEC-VARIETY for Online Motivation and Retention

- 1. Tone/Climate: Psych Safety, Comfort, Belonging
- 2. Encouragement, Feedback: Responsive, Supports
- 3. Curiosity: Fun, Fantasy, Control
- 4. Variety: Novelty, Intrigue, Unknowns
- 5. Autonomy: Choice: Flexibility, Opportunities
- 6. Relevance: Meaningful, Authentic, Interesting
- 7. Interactive: Collaborative, Team-Based, Community
- 8. Engagement: Effort, Involvement, Excitement
- 9. Tension: Challenge, Dissonance, Controversy
- 10. Yields Products: Goal Driven, Products, Success, Ownership







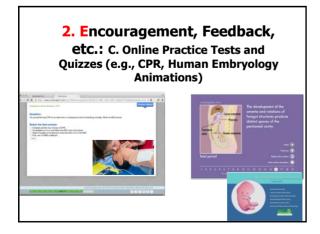


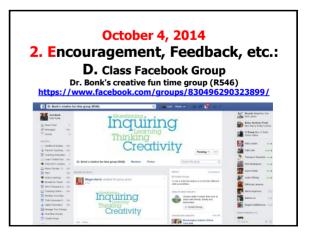




















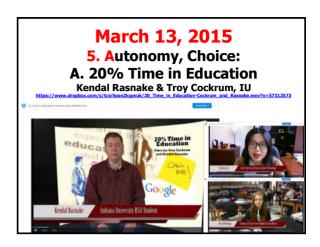
Poll #2: Which of these ideas might you use?

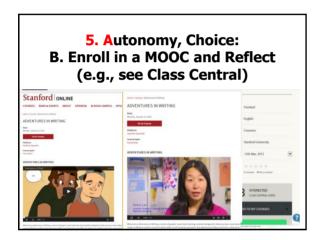
- A. Threaded video discussions (e.g., Flipgrid)
- B. Video introductions (instructor or student)
- C. Demonstrations and tutorials (Jing, Screenr, etc.)
- D. Voice/Audio feedback (Vocaroo)
- E. Online practice tests
- F. Something in the news
- G. Tracking life of scientist

INTERNET HIGH-FIVE PLACE HAND HERE

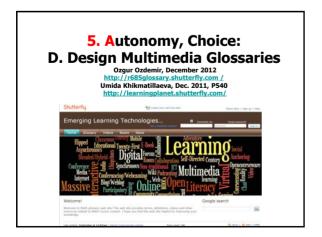


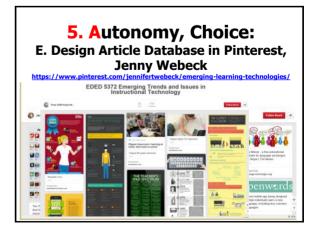


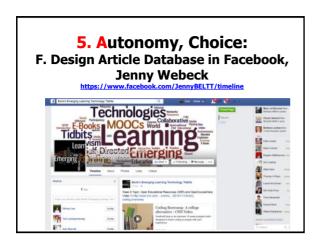






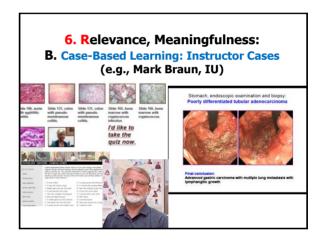


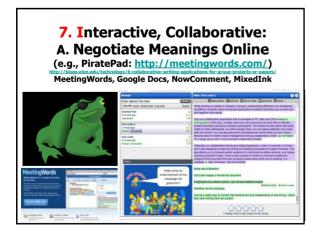


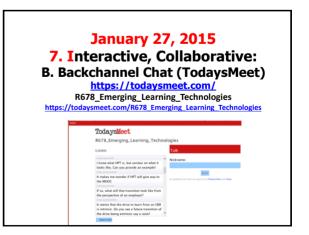


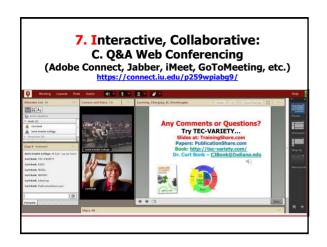












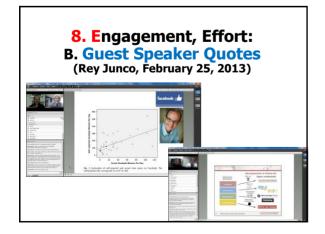


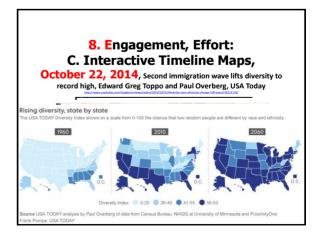
Poll #4: Which of these ideas might you use?

- A. Student designed multimedia glossaries
- **B.** Article database in Pinterest
- C. Guest chats with former students
- D. Negotiate meanings online (e.g., PiratePad)
- E. Backchannel chat (Todaysmeet)
- F. Class Facebook group
- G. Discussion in Google Hangouts



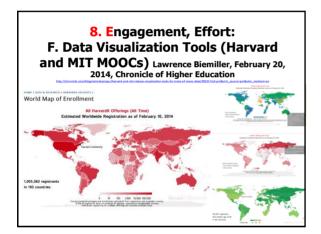




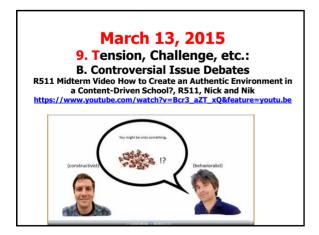


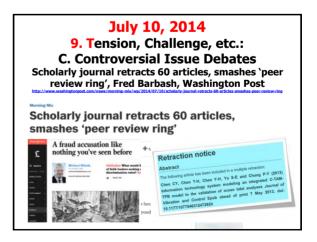




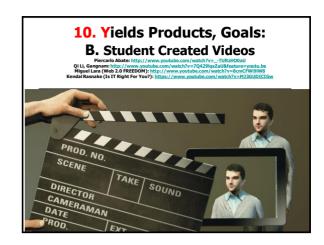










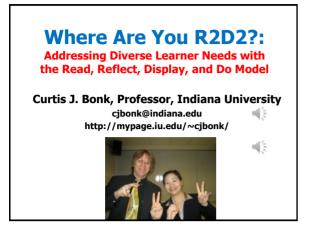


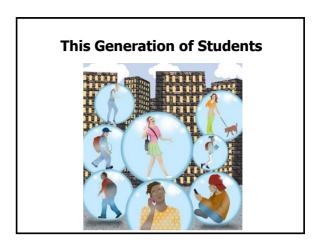


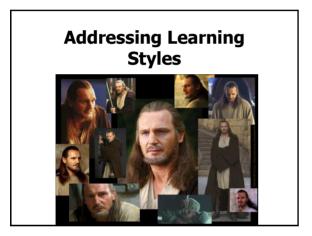
Poll #5: Which of these ideas might you use? A. Guest speaker quotes B. Data visualization tools C. Challenge debates (cage matches?) D. Student designed video productions E. Student designed e-books F. Goal setting tools G. Gallery of exemplary work

Commitments: Stop and Share: Which principle(s) of TEC-VARIETY will you use? Tone/Climate Encouragement, Feedback Curiosity Variety Autonomy Relevance Interactive Engagement Tension Yields Products

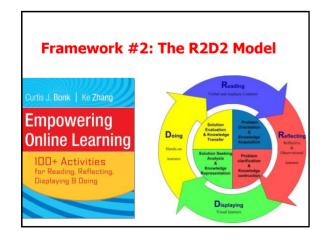
















The R2D2 Method

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







1. Auditory or Verbal Learners

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







Read 1a. Collect and Listen to Interactive Stories

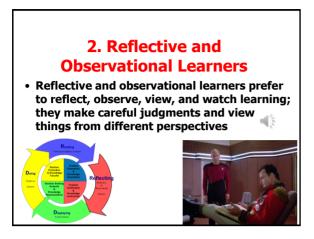
(e.g., Meograph: http://www.meograph.com/)





January 28, 2015 Read 1b. Twitter Fed Class Discussions Live-Tweeting Assignments: To Use or Not to Use? he Chronicle of Higher Education, Adeline Koh http://chronicle.com/blogs/profluctor/five-tweeting-assignments-to-use-or-not-to-use/58940 Tive-Tweeting Assignments: To Use or Not to Use? When the complete of the complete o



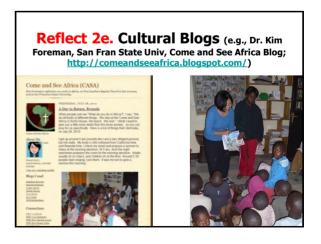












Poll #6:

Any light bulbs going off in your head so far...?

- A. Yes definitely
- B. Maybe
- C. No







3. Visual Learners

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









Display 3a. Videos for clinical education (Sungkyunkwan University School of Medicine, www.mededu.or.kr)





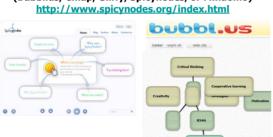
Display 3b. Virtualize Words Used (e.g., Wordle, Tagzedo, Tagul, WordSift, Word It Out)



format Savu Podeasing Pode

Display 3c. (April 28, 2015)

Concept Mapping and Timeline Tools (Bubbl.us, Cmap, Gliffy, Spicynodes, or Mindomo) http://www.spicynodes.org/index.html

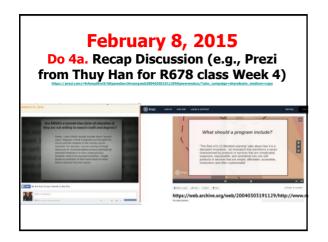


4. Tactile/Kinesthetic Learners

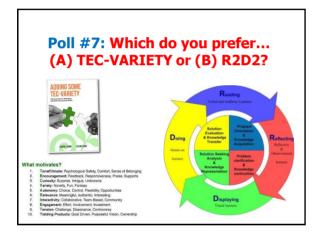
 Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.











Poll #8: How many ideas did you get from this talk? 1. 0 if I am lucky. 2. Just 1. 3. 2, yes, 2...just 2! 4. Do I hear 3? 3!!!! 5. 4-5.

6. 5-10.

7. More than 10.



