



Totally Extreme #1.

Teaching 54,000 People Around the World By Kannan Sankaran, Epoch Times, August 5, 2013 http://www.theepottimes.com/s/22860-2-best mooc-for-free-online-higher-ducation/ MOOC at UPenn? Recession Fuels Explosion of Online Learning Video: http://on.aol.com/video/recession-fuels-explosion-of-online-learning-517885997









Totally Extreme #5.

iPod Learning from the Ice using MIT OCW (e.g., Wendy Ermold, University of Washington)



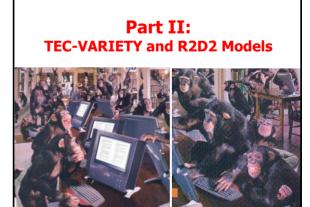




Totally Extreme #8.

Google Glass: Freaky, geeky toy aims to save lifes USA Today, Marco della Cava, March 3, 2014





Motivation and Engagement



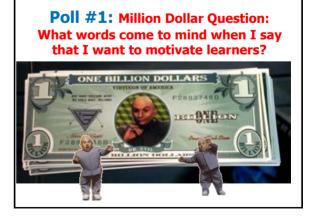
What did Jean-Luc Picard say?





How do we engage online?





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.



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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
- Yields Products: Goal Driven, Products, Success, 10 Ownership

Introducing the "TEC-VARIETY book... http://tec-variety.com/

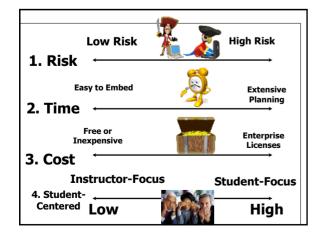
What motivates?

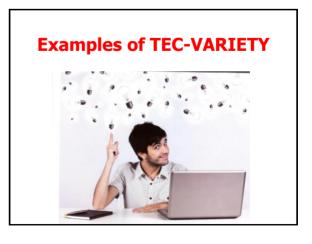
ADDING SOME

TEC-VARIETY

- Tone/Climate: Psychological Safety, Co Encouragement: Feedback, Responsiv Curiosity: Surprise, Intrigue, Unknowns Variety: Novelty, Fun, Fantasy Autonomy: Choice, Control, Flexibility, 6

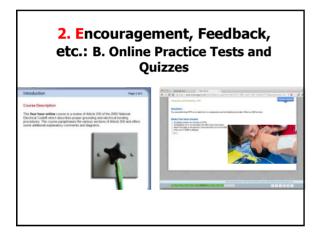
- ve. Team-Based, Co









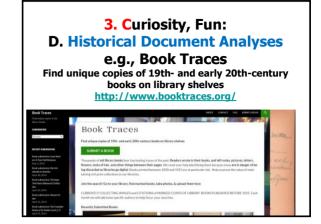




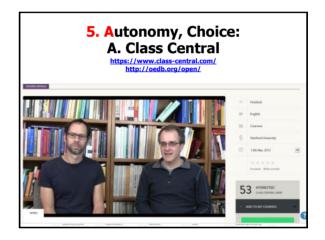




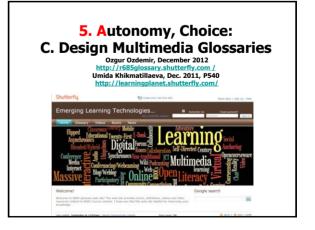




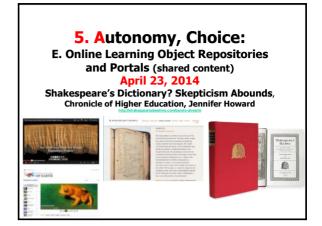












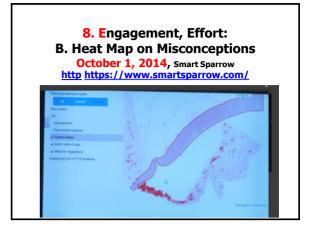


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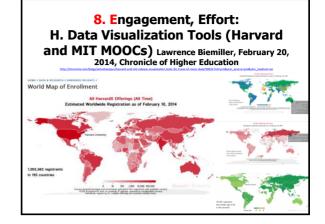








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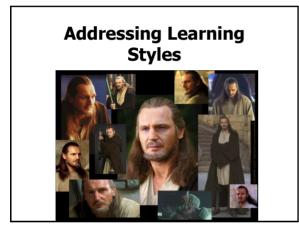






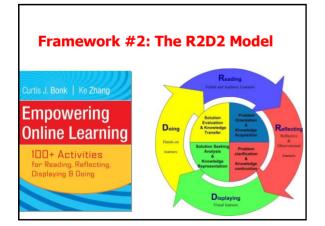






Question: How can technology address diverse learner needs?





The R2D2 Method

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



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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







Reflect 2c. Text-and Picture-Based Scenario and Case-based Learning



Reflect 2d. Big Issue Reflections (Big Questions Online (BQO)), May 27, 2014 (e.g., What makes us generous? What is the difference between knowledge and understanding?) http://www.biggentionenit/do-we-have-souts



Christian Self-May 27, 2014 Why are people generous? Why are some humans much mor generous than others? What factors tend to promote or inhibit generosity? If turns out that generosity makes a big... Essay = Discussion = This discussion is open for 2 more d

Vinite 1s the Uniterance accession Accession and Uniterational Streams May 19, 294 Received Streams May 19, 294 Everyone knows something. Some people know a lot. But in human being knows as much, appenently, as Watson, the IB computer that defeated the greatest champions of the...

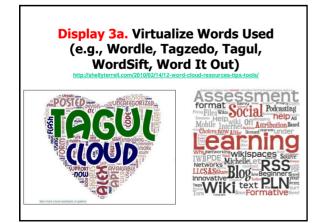


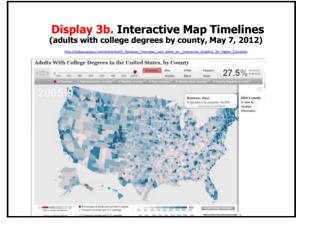


3. Visual Learners

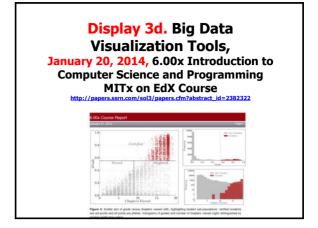
• Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

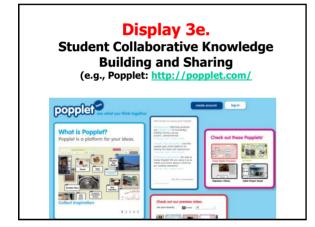


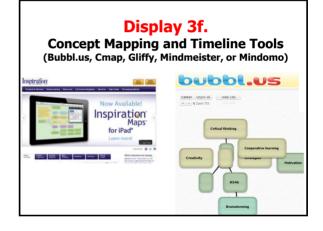




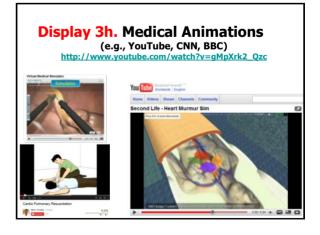
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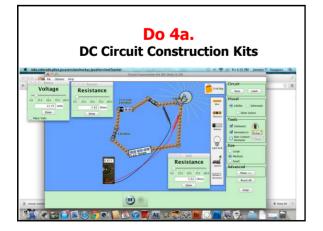




4. Tactile/Kinesthetic Learners

• 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.

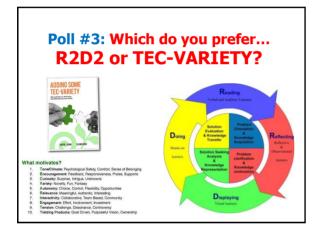












Poll #4: How many ideas did you get from this talk?

- 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.





