Where Are You R2D2?:

Addressing Diverse Learner Needs with the Read, Reflect, Display, and Do Model

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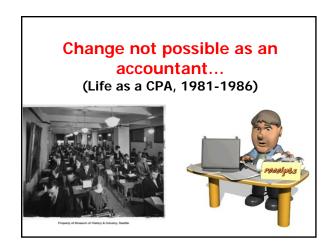






Audience Poll #1: Has learning technology has ever transformed your life.















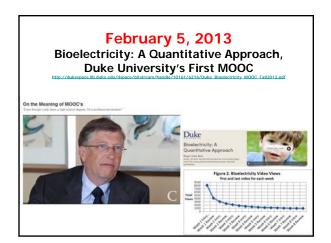


















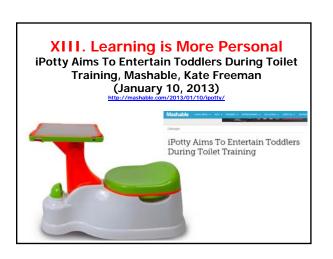
IX. Learning is More Collaborative Collaboration and Discussion in Google Hangouts or with iPad, Jan. 28, 2013 (Carrie Gong from Beijing Normal University)



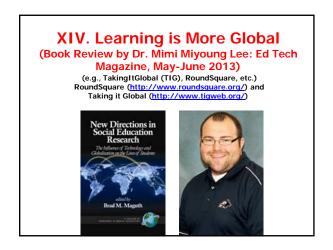






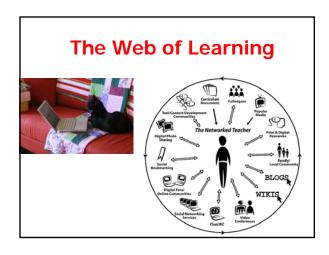














We are entering a jumping off point...



Framework #1: WE-ALL-LEARN:



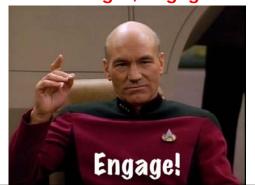
- E-Learning and Blended Learning
- Availability of Open Source and Free Software (e.g.,
- Leveraged Resources and OpenCourseWare (e.g., MIT)
- Learning Object Repositories and Portals (i.e., shared
- Learner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)



What did Jean-Luc Picard say?

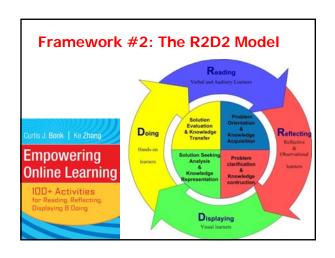


That's right, Engage!

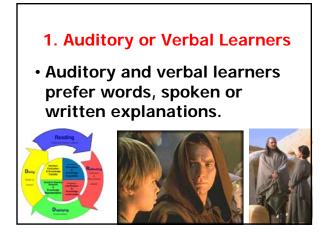


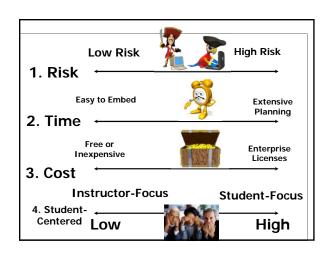
How can technology address diverse learner needs?























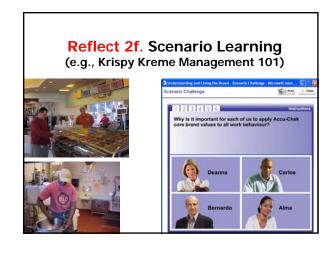


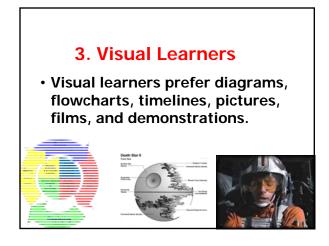


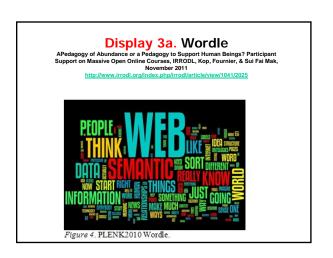


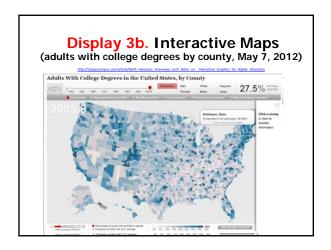


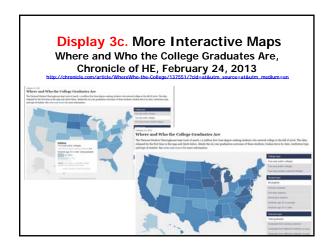


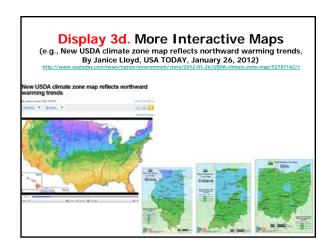


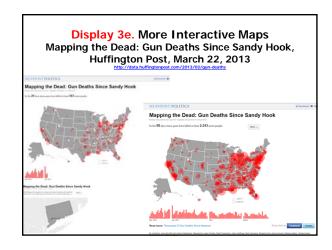


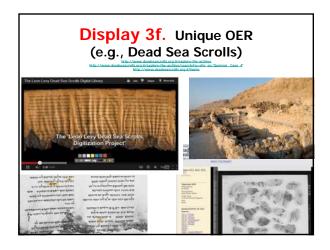




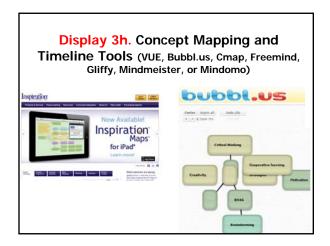


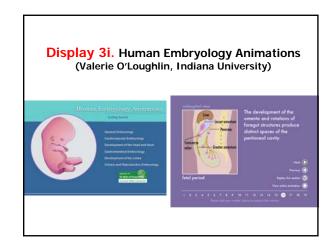












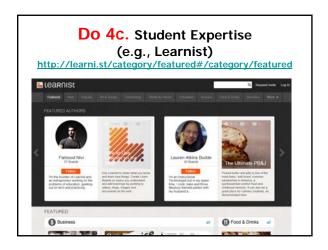






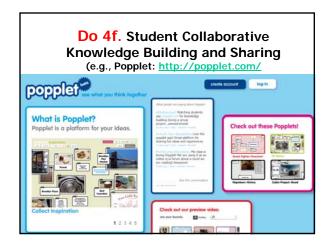


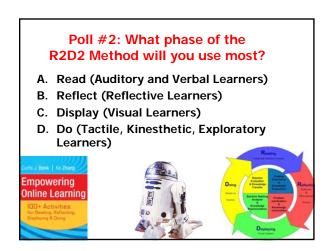












Poll #3: How many new ideas did you get from Part 1?

- 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.

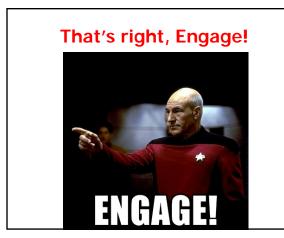


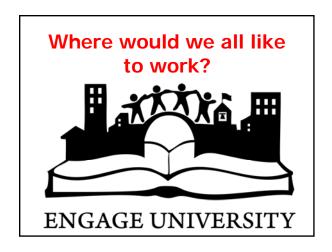








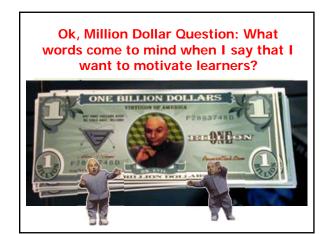












Motivation Research Highlights

(Jere Brophy, Michigan State University)

- 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

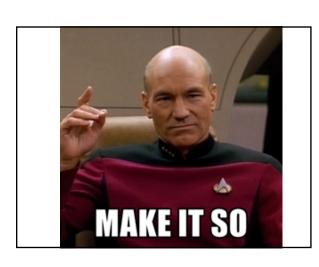
(i.e., it emerges from needs, inner strivings, and personal curiosity for growth)

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

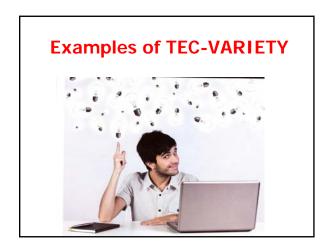


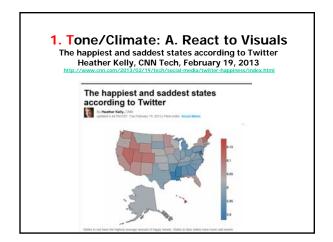
Framework #3: TEC-VARIETY for Online Motivation and Retention

- 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



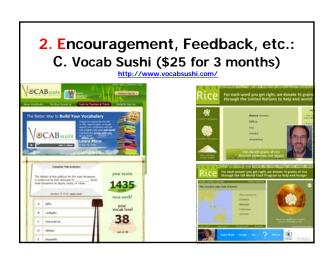


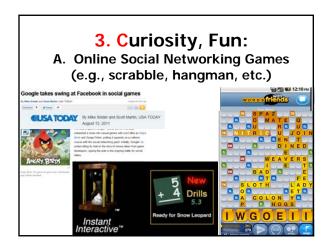


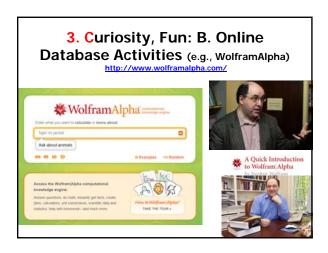
















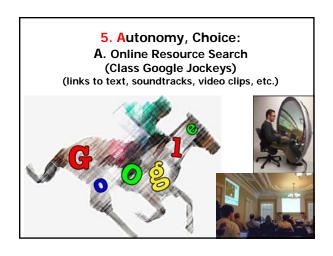


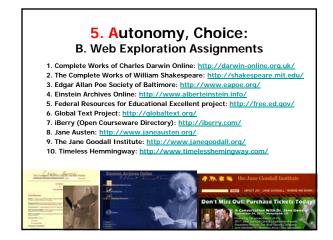


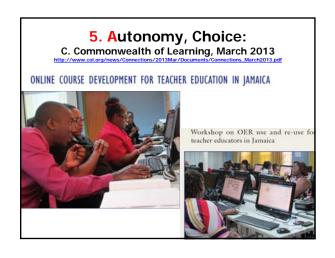














Poll #4:

Which of the first 5 motivational principles will you use the most?

- A. Tone/Climate
- B. Encouragement/Feedback
- C. Curiosity/Fun
- D. Variety/Novelty
- E. Autonomy/Choice/Flexibility



Poll #5: Any light bulbs going off in your head so far...?

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





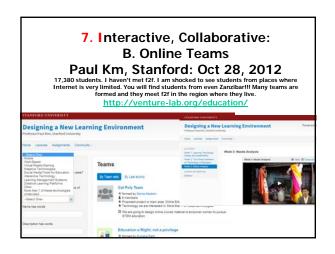


6. Relevance, Meaningfulness: A. Online Cases (e.g., Mark Braun, IU)







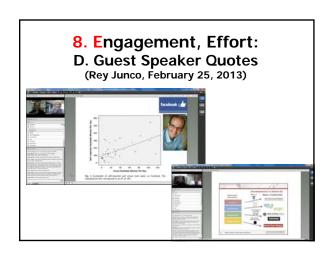






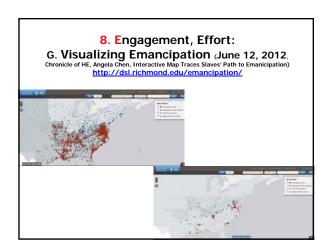










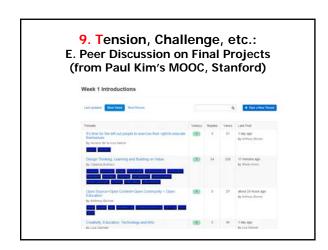




















Poll #6:

Which of the last 5 motivational principles will you use the most?

- A. Relevance/Meaningfulness
- B. Engagement/Effort
- C. Interactive/Collab/Community
- D. Tension/Challenge/Dissonance
- E. Yielding Products/Goals



Commitments: Stop and Share:

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

Tone/Climate **Encouragement, Feedback** Curiosity

Variety Autonomy Relevance Interactive **Engagement Tension**



Poll #7: Do you feel "MOTIVATED" to try any of this out? A. Yes, both

B. Yes, R2D2 C. Yes, TEC-VARIETY D. Neither







