

#### The R2D2 Method

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







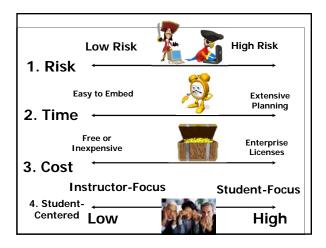
# 1. Auditory or Verbal Learners

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





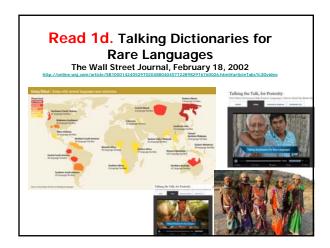


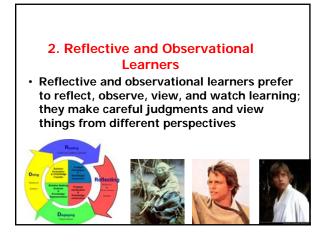
















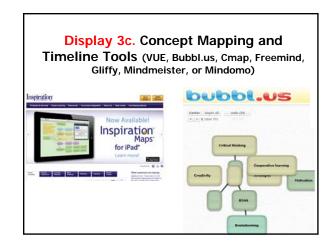


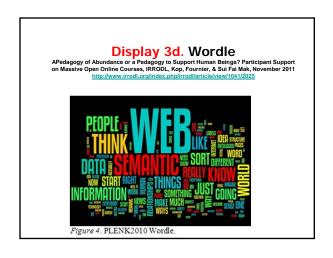


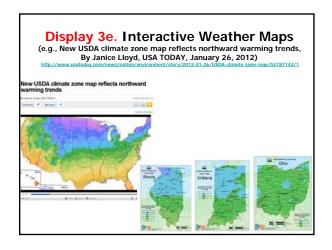


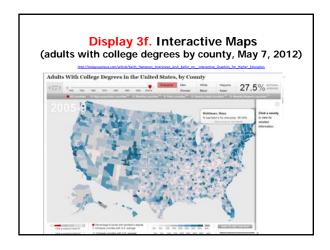


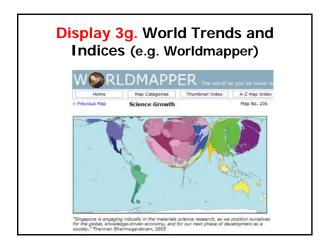












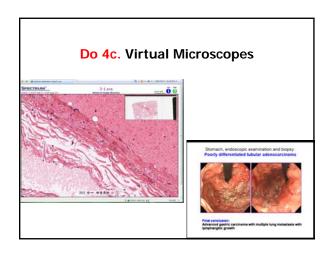




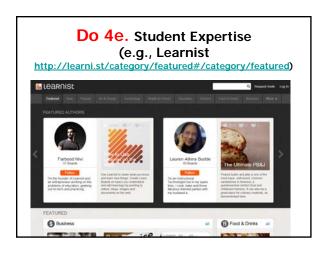




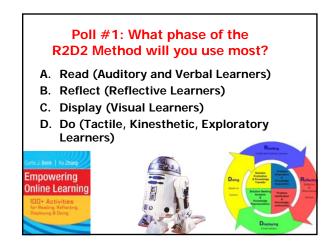












# Poll #2: How many new ideas did you get from Part 1?

- 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.









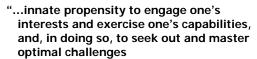


# What was it that he said?





# **Intrinsic Motivation**



(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.





#### Ok, Million Dollar Question: What words come to mind when I say that I want to motivate learners?



#### **Motivation Research Highlights** (Jere Brophy, Michigan State University)

- Supportive, appropriate challenge, meaningful, moderation/optimal.
   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.



## Framework #2: TEC-VARIETY for Online Motivation and Retention

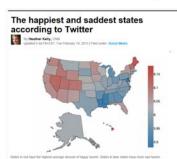
- 1. Tone/Climate: Psych Safety, Comfort, Belonging
- 2. Encouragement, Feedback: Responsive, Supports
- Curiosity: Fun, Fantasy, Control
- 4. Variety: Novelty, Intrigue, Unknowns
- 5. Autonomy: Choice: Flexibility, Opportunities
- 6. Relevance: Meaningful, Authentic, Interesting
- Interactive: Collaborative,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

# **Examples of TEC-VARIETY**



# 1. Tone/Climate: A. React to Visuals

The happiest and saddest states according to Twitter Heather Kelly, CNN Tech, February 19, 2013



# 2. Encouragement, Feedback,

**etc.:** A. Create Screencasts

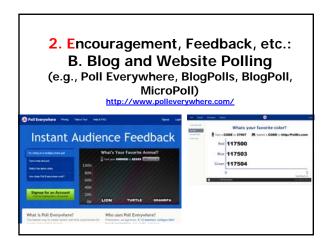
(Jing, GoView, Screenr, slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

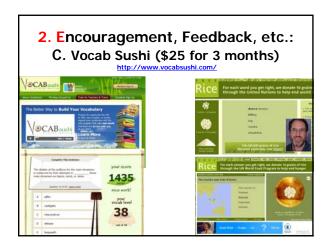
#### Create Screencasts!





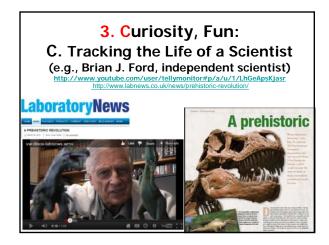
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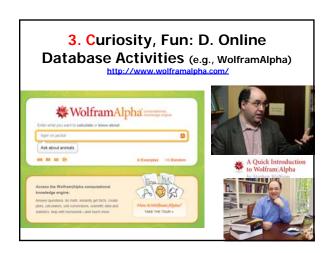










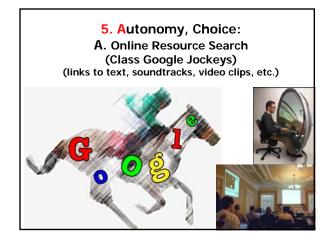


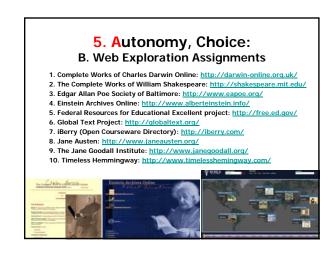














#### Poll #3:

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

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







# 6. Relevance, Meaningfulness:A. Tour an Online Oil Drilling Site or Role Play Situations (i.e., BP)

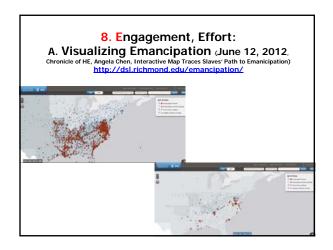
http://www.youtube.com/watch?v=ts45BkAnqTs

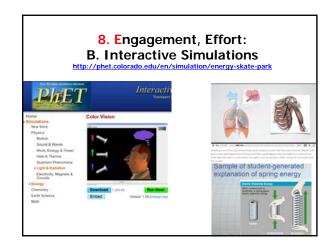




# 6. Relevance, Meaningfulness: B. Virtual field trips (e.g., teach the history of immigration in America, eSchool News, March 21, 2012) \*\*Teachers\*\* \*\*Tea

















# Poll #5:

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



# Poll #6: How many ideas did you get from Part II?

- 1. 0 if I am lucky.
- 2. 1 or 2.
- 3. 3-5.
- 4. 6-10.
- 5. More than 10.



### **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





