

Mobile Learning and Blended Learning Exploding
College tech 'catching up' with students
Kathleen Gray & Robin Erb, USA TODAY, Oct 6, 2009

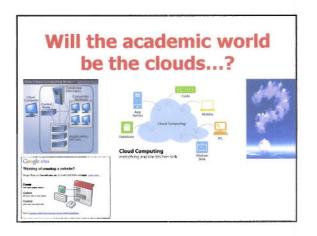
• At Abilene Christian (University)...about 2,800
students and 70% of the 250 professors use the
Apple technology for instructional purposes.

- Art students use app to draft sketch and send it to the
teacher and other students for advice before starting the
real art pieces.

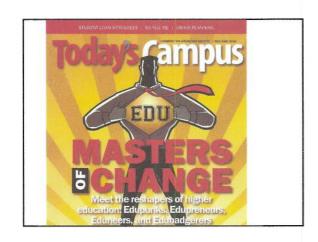
- A drama teacher takes video of the lead dancer in a
production and sends that along to other students for
rehearsal.

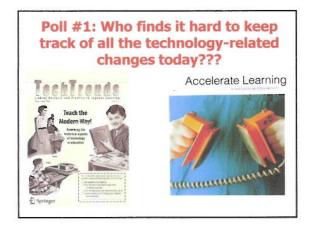
















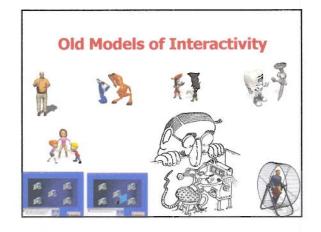
Poll #3: Bonk's Web Addiction Questionnaire

- Who has 2 or more cell phones with Internet access?
- 2. Who has 2 or more laptop computers with wireless connections?
- 3. Who is on email in the morning? At noon? Who does it at night?
- 4. Who suffers from nervous tension when you cannot get on email?
- 5. Who is on the Web right now?















Active Learning Principles

- 1. Authentic/Raw Data
- 2. Student Autonomy/Inquiry
- 3. Relevant/Meaningful/Interests
- 4. Link to Prior Knowledge
- 5. Choice and Challenge
- 6. Teacher as Facilitator and Co-Learner
- 7. Social Interaction and Dialogue
- 8. Problem-Based & Student Gen Learning
- 9. Multiple Viewpoints/Perspectives
- 10. Collab, Negotiation, & Reflection

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.



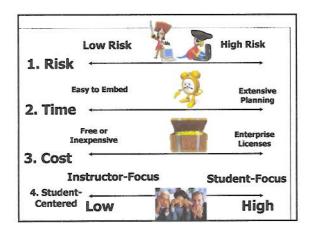
I even reflected on this for a moment...and then something magical happened...





Magic #1: TEC-VARIETY Model 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
- Relevance: Meaningful, Authentic, Interesting
- Interactive: Collaborative, Team-Based, Community
- 8. Engagement: Effort, Involvement, Excitement
- 9. Tension: Challenge, Dissonance, Controversy
- 10. Yields Products: Goal Driven, Products, Success, Ownership



1. Tone/Climate: Social Ice Breakers

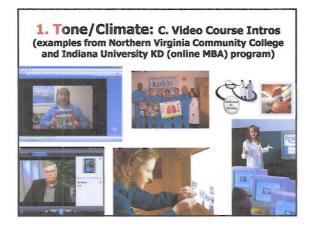
A. Public Commitments:

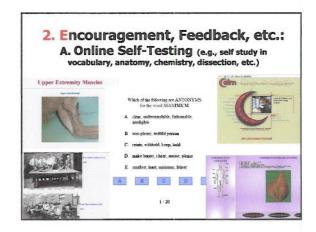
Have students share how they will fit the coursework into their busy schedules

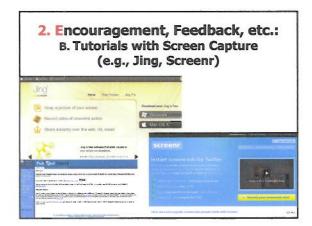


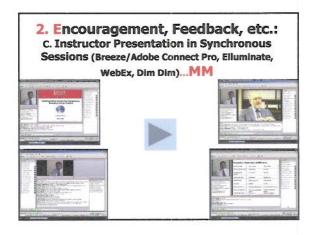
B. Favorite Websites

- 1. Everyone posts 1-2 of their favorite Websites and explain why.
- 2. Peers comment on or rate them.

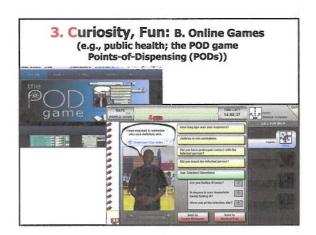


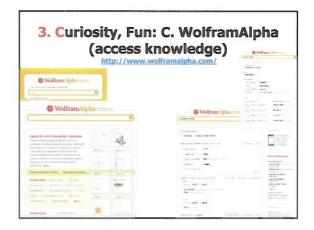








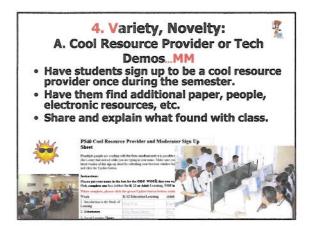




WolframAlpha

http://www.wolframalpha.com/

"Wolfram | Alpha's long-term goal is to make all systematic knowledge immediately computable and accessible to everyone. We aim to collect and curate all objective data; implement every known model, method, and algorithm; and make it possible to compute whatever can be computed about anything. Our goal is to build on the achievements of science and other systematizations of knowledge to provide a single source that can be relied on by everyone for definitive answers to factual queries."



4. Variety, Novelty: B. Expert Chats

- 1. Agree to a weekly chat time.
- 2. Bring in expert for discussion or post discussion topics or issues.
- 3. Summarize or debrief on chat discussion.





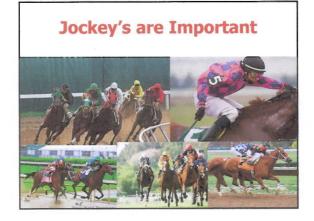
4. Variety, Novelty: C. Synchronous Session with Guest Expert...MM

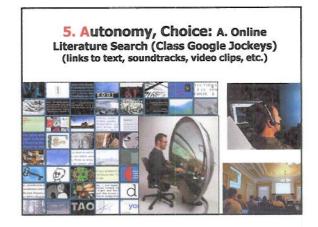




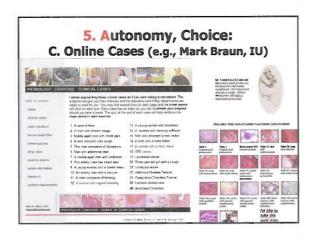
Arlington Racetrack



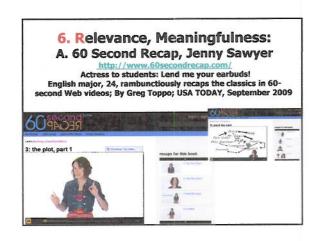


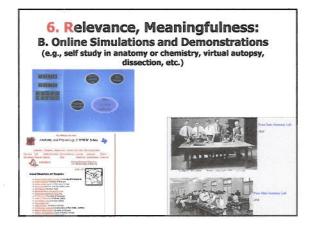


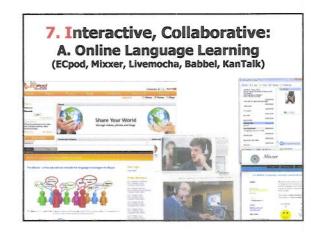




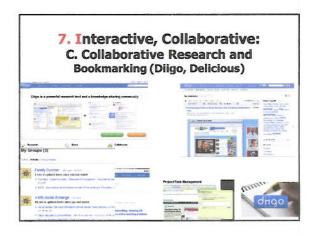


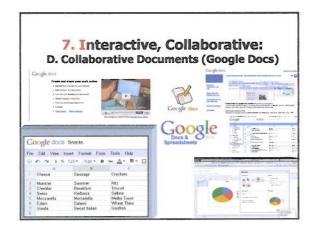




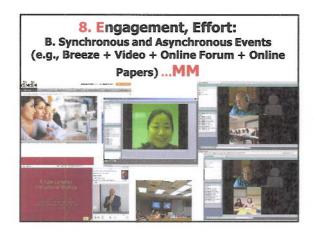


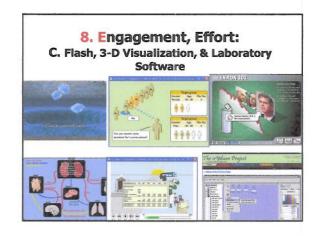


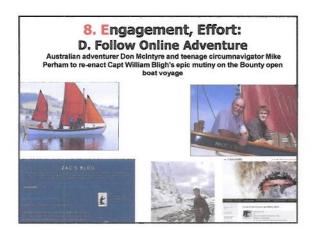






















TEC-VARIETY Model for Online Motivation and Retention

Tone/Climate Encouragement, Feedback Curiosity

Variety

Autonomy

Relevance

Interactive

Engagement

Tension

Yields Products

Poll #1: How many ideas did you get so far?

- 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.









99 seconds: What have you learned so far?

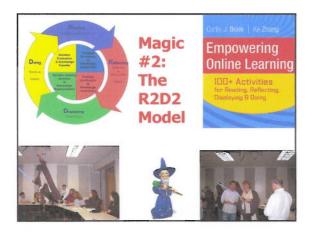
 Solid and Fuzzy in groups of two to four



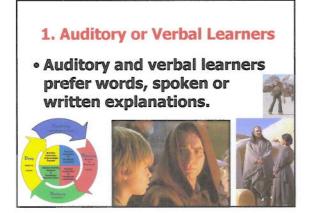


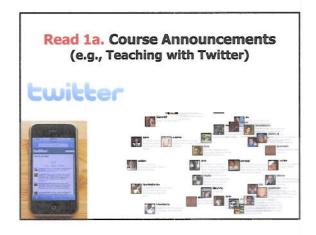
II. Addressing Diverse Learners



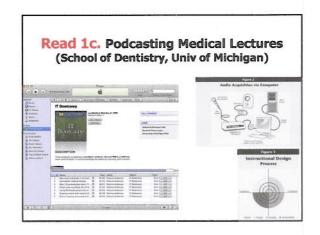




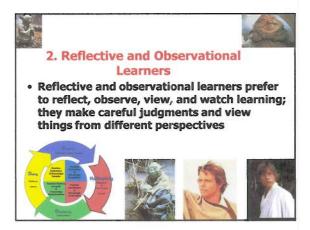






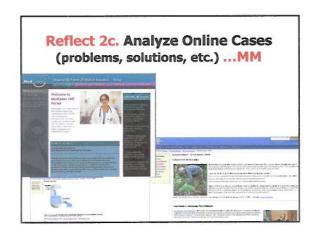






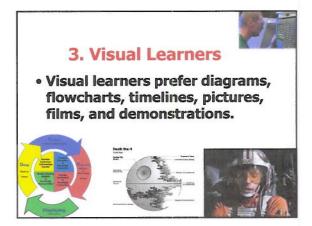


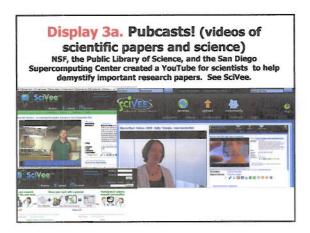


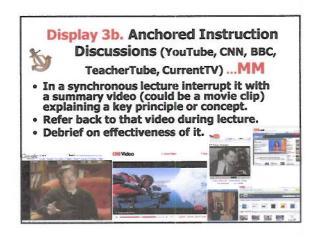


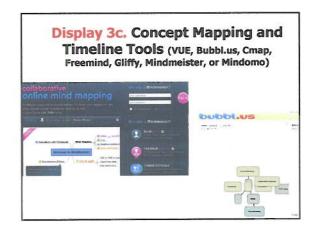


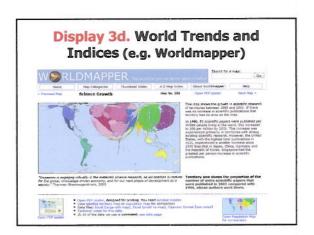






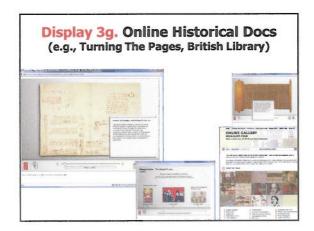






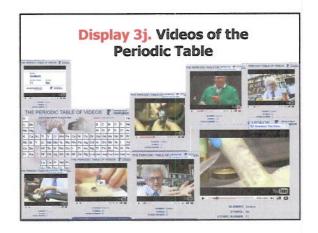


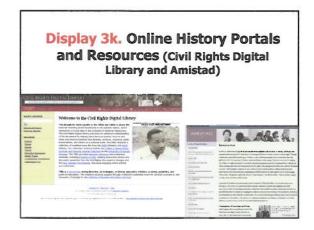


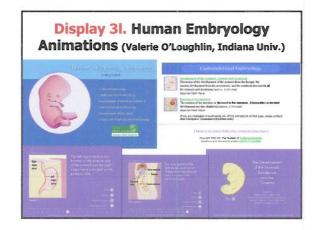






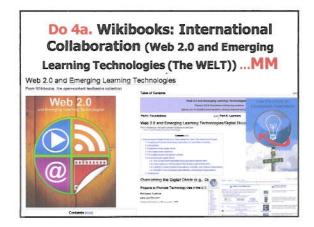










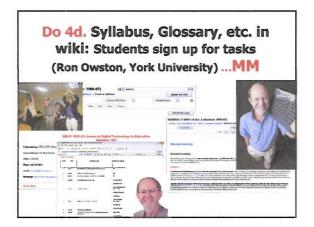


Today's Campus, May/June 2010

"Wikipedia, the open encyclopedia, attracts 68 million visitors monthly, and 91,000 active contributors are working on 15,000,000 articles in 270 languages. Three million plus articles are in English."











Poll #2: How many ideas did you get from the second part of this talk?

a. None—you are an idiot.
b. 1 (and it is a lonely #).
c. 2 (it can be as bad as one).
d. 3-5
e. 6-10
f. Higher than I can count!





