R2D2 to the Matrix: A Galaxy of Online Learning Style, Motivational, Blended Learning, and Learner-Centered Examples

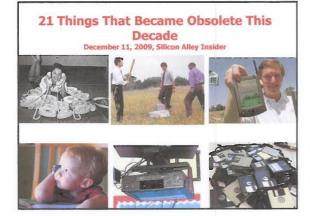
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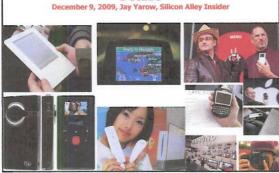








### 15 Gadgets that Changed Everything This Decade



Technology for Learning Expands
College tech 'catching up' with students
Kathleen Gray & Robin Erb, USA TODAY, Oct. 6, 2009



Senior Emily Smak, 20, tries out the treadmill workstation in one of the study lounges in the new Education and Human Services Building at Central Michigan University. There is a new IMac computer attached to it so students can get a little exercise while doing homework or other things on the computer.

### 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.









### **Part I. Blended Learning**

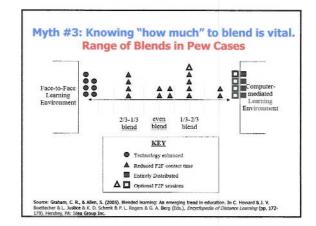
- 1. Definitions of blended learning
- 2. Advantages and disadvantages
- 3. Models of blended learning
- 4. Examples of blended learning
- 5. Implications for blended learning











Myths #4: Blended learning is easy to define.
Myth #5: Blended learning is hard to define.
Blending Online and F2F Instruction

 "Blended learning refers to events that combine aspects of online and face-to-face instruction" (Rooney, 2003, p. 26; Ward & LaBranche, 2003, p. 22)

## Myth #6: Blended learning works everywhere. Where is Blended Beneficial?

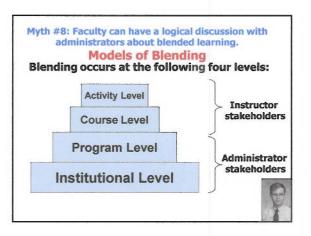
- Large Classes (spanish, intro psych, algebra, elementary statistics, biology)
- · Classes with working students
- · Students spread over a distance
- · Classes with certification
- · Classes with need for standardization
- · New requirements for a profession
- · Writing intensive classes
- · Theory classes

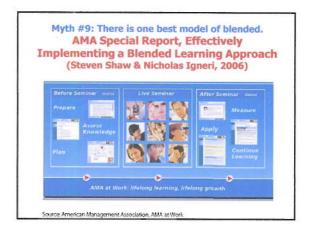


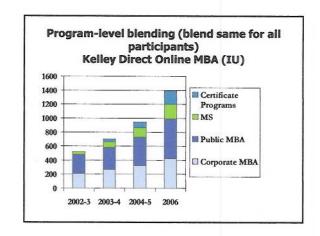
Myth #7: People learn more in face-to-face settings. Fully Online and Blended Learning Advantages

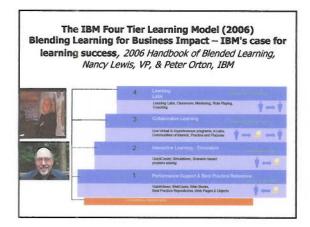
- 1. Increased Learning (better papers, higher scores)
- 2. More effective pedagogy and interaction
- Course access at one's convenience and flexible completion (e.g., multiple ways to meet course objectives)
- Reduction in physical class or space needs, commuting, parking
- Increased opportunities for human interaction, communication, & contact among students
- 6. Introverts participate more

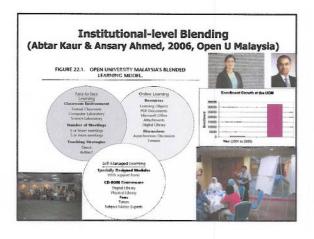


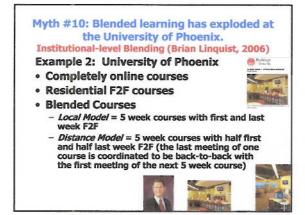


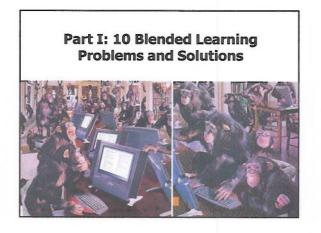












### Problem = Time; Blended Solution #1+.

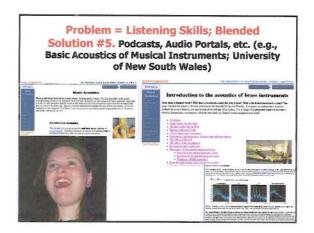
### Sample Activities for Brief Mtgs

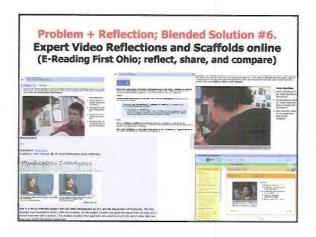
- Assign web buddies, email pals, critical friends based on interests, confidence, location, etc.
- 2. Ice breakers-paired introductions, corners.
- 3. Solve case in team competitions with awards.
- 4. Test technology in a lab.
- Assign teams and exchange info for small teams using text messaging.
- 6. Library (digital and physical) scavenger hunt.
- 7. Do a podcast documenting the meeting.
- 8. Have everyone create a blog on the experience.
- 9. Open an e-portfolio for each student
- 10. Brainstorm how might use technology in program.

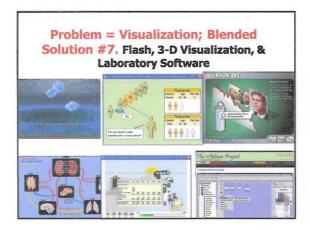
# Problem = Space; Blended Solution #2. Alternating FTF and Online Classes • Freshman English at BYU: Students are required to meet F2F once a week instead of three times a week. Same in a multimedia class at Beijing Normal University (BNU)



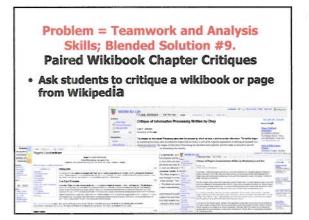


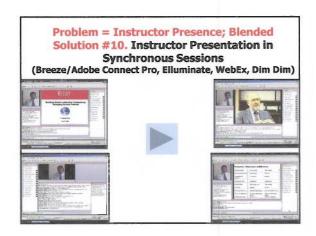






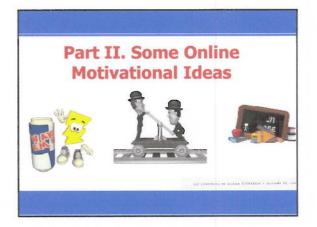






# Implications and Challenges for Blended Learning

- 1. Faculty and students are more mobile.
- 2. Students more choices.
- 3. Student expectations rise.
- 4. Greater self-determined learning.
- 5. More corporate university partnerships.
- 6. Courses increasingly modular.
- 7. Less predefined schedules.
- When teaching less clear; when learning less clear.







### **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.



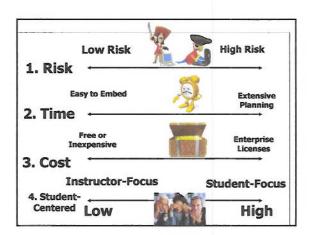
I even reflected on this for a moment...and then something magical happened...





### 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
- 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



### 1. Tone/Climate: Social Ice Breakers

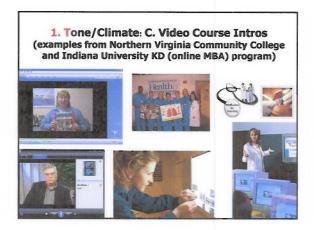
### **A. Public Commitments:**

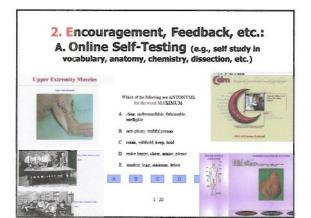
Have students share how they will fit the coursework into their busy schedules

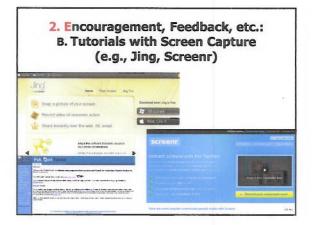
### **B. Favorite Websites**

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

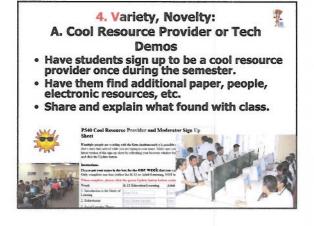










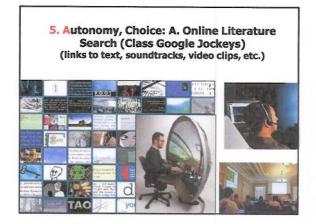


# 4. Variety, Novelty: B. Expert Chats (Bonk, 2007; Liang & Bonk, 2009)

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

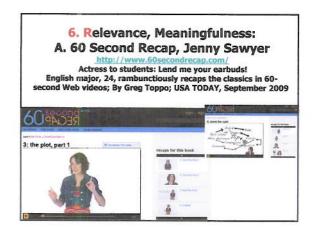


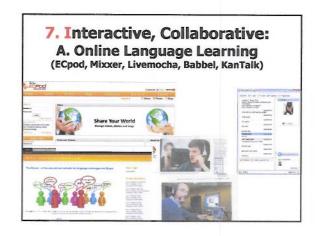


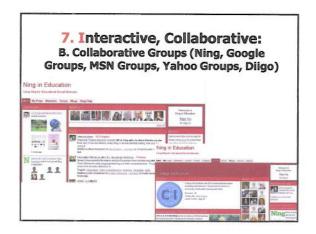


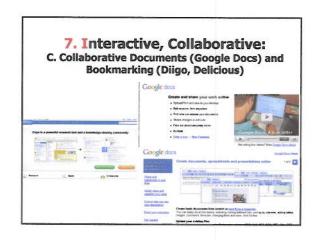


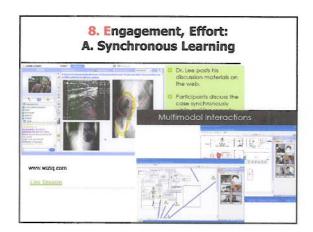


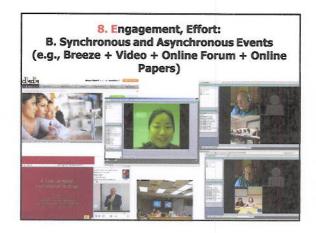


















# Poll #1: How many ideas did you get so far?

- 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?

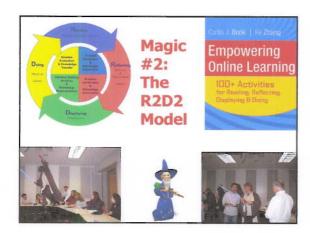
 Solid and Fuzzy in groups of two to four





### III. Addressing Diverse Learners









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









