





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

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









Part I. Blended Learning

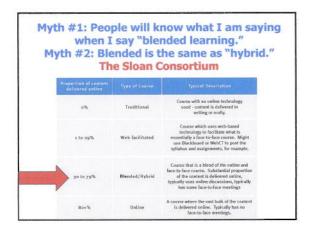
- 1. Definitions of blended learning
- 2. Advantages and disadvantages
- 3. Models of blended learning
- 4. Examples of blended learning
- 5. Implications for blended learning

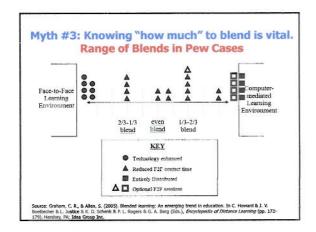


things on the computer.









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.

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

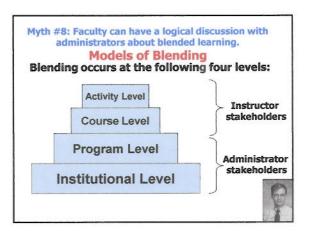
- · Large Classes (spanish, intro psych, algebra, elementary statistics, biology)
- Classes with working students
- · Students spread over a distance
- · Classes with certification
- · Classes with need for standardization
- · New requirements for a profession
- · Writing intensive classes
- Theory classes

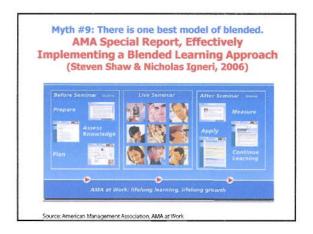


Myth #7: People learn more in face-to-face settings. **Fully Online and Blended Learning Advantages**

- 1. Increased Learning (better papers, higher scores)
- 2. More effective pedagogy and interaction
- 3. 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
- 5. Increased opportunities for human interaction, communication, & contact among students
- 6. Introverts participate more







Myth #10: Blended learning has exploded at the University of Phoenix. Institutional-level Blending (Brian Linquist, 2006)

Example 2: University of Phoenix

- · Completely online courses
- · Residential F2F courses
- Blended Courses
 - Local Model = 5 week courses with first and last
 - Distance Model = 5 week courses with half first and half last week F2F (the last meeting of one course is coordinated to be back-to-back with the first meeting of the next 5 week course)







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.
- Do a podcast documenting the meeting.
- 8. Have everyone create a blog on the experience.
- 9. Open an e-portfolio for each student
- Brainstorm how might use technology in program.

Blended Solution #2. Online Professional Development (e.g., STARLINK, www.starlinktraining.org)





Blended Solution #3. Expert Video Reflections and Scaffolds online (E-Reading First Ohio; reflect, share, and compare)



Blended Solution #4. Flash, 3-D Visualization, & Laboratory Software



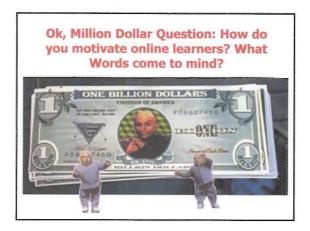


Implications and Challenges for Blended Learning

- 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)

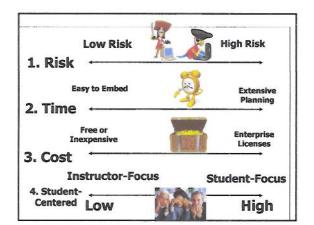
See: Deci, E. L., & Ryan, R. M. (1985). Intrinsic motivation and self-determination in human behavior. NY: Plenum Press.



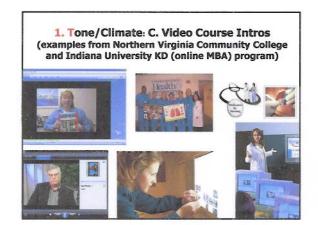


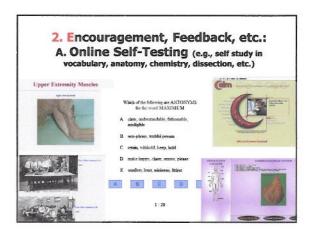
Magic #1: TEC-VARIETY Model for **Online Motivation and Retention**

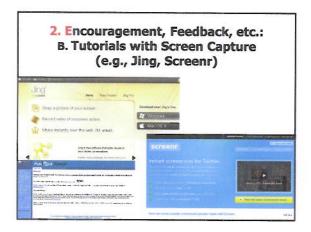
- 1. Tone/Climate: Psych Safety, Comfort, Belonging
- 2. Encouragement, Feedback: Responsive, Supports
- 3. Curiosity: Fun, Fantasy, Control
- 4. Variety: Novelty, Intrigue, Unknowns
- 5. Autonomy: Choice: Flexibility, Opportunities
- 6. Relevance: Meaningful, Authentic, Interesting
- Interactive: Collaborative,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



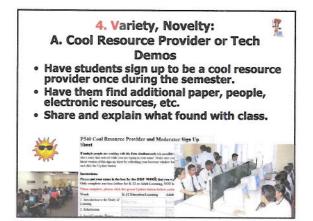


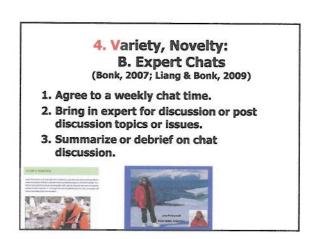


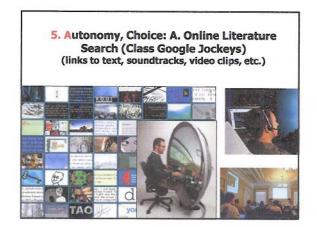




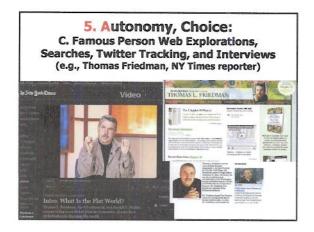


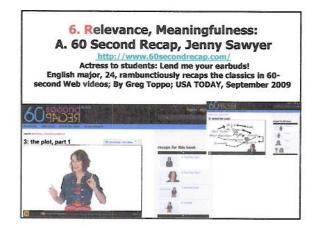


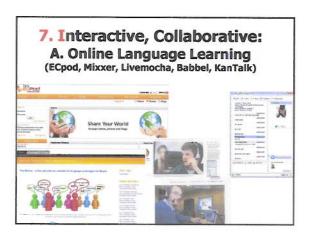


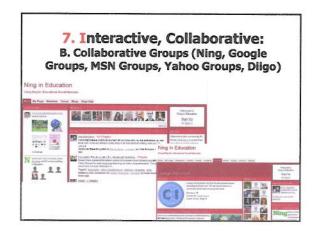


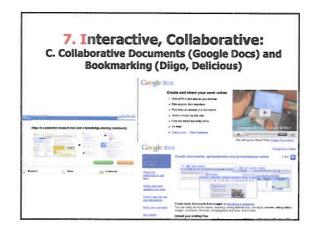


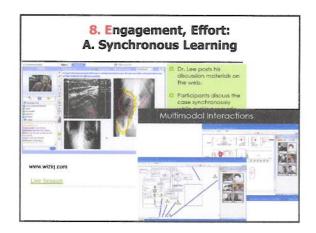


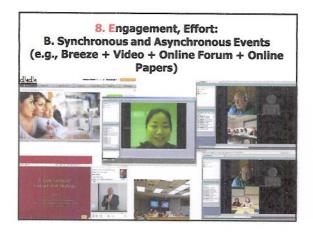




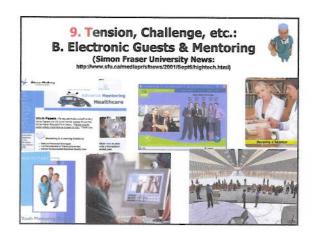
















- 1. 0 if I am lucky.
- 2. Just 1.
- 3. 2, yes, 2...just 2!
- 4. Do I hear 3? 3!!!!
- 5. 4-5.
- 6. 5-10.
- 7. More than 10.











99 seconds: What have you learned so far?

 Solid and Fuzzy in groups of two to four





III. Addressing Diverse Learners

