### Blended Learning A to Z:

Myths, Models, and Moments of Magic

Curt Bonk, Professor, Indiana University cjbonk@indiana.edu http://mypage.iu.edu/~cjbonk





#### What I will discuss...

- 1. Definitions of blended learning
- 2. Myths of blended learning
- 3. Models of blended learning
- 4. Examples of blended learning



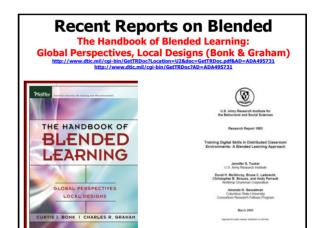


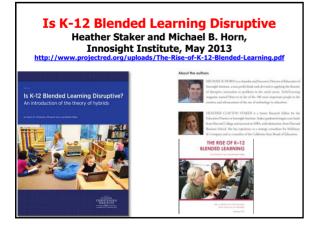


Myth #1: If you read the enough research you will be able to know the impact of blended learning.

- 1. Improved Pedagogy
  - More interactive instead of transmissive
  - Authentic, real world, etc.
- 2. Increased Access/Flexibility
- 3. Increased Cost Effectiveness









# Blended Learning Defined and Explained



Myths #2: Blended learning is easy to define. Myth #3: 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)



ourse where the vast bulk of the content is delivered online. Typically has no face-to-face meetings.

#### Classifying K-12 Blended Learning Heather Staker and Michael B. Horn, May 2012

"Blended learning is any time a student learns at least in part at a supervised brick-and-mortar location away from home and at least in part through online delivery with some element of student control over time, place, path, and/or pace."



## 

Online

#### Myth #6: Knowing "how much" to blend is vital. Range of Blends in Pew Cases Face-to-Face mediated Learning Learning Environment Environment 2/3-1/3 1/3-2/3 blend blend KEY Technology enhanced A Reduced F2F contact time Entirely Distributed △ □ Optional F2F sessions Source: Graham, C. R., & Allen, S. (2005). Blended learning: An emerging trend in education. In C. Howard & J. V. Boettecher & L. Justice & K. D. Schenk & P. L. Rogers & G. A. Berg (Eds.), *Encyclopedia of Distance Learning* (pp. 172-179). Hershey, Pk. 16de Group Inc.

## Myth #7: Blended learning works everywhere. Where is Blended Beneficial?

- Intro Classes (Spanish, psych, algebra, biology)
- AP Classes
- · Classes with low success rates
- · Classes with students working part-time
- · Required classes

804%

- Students are rural or spread over a distance
- Classes with certification or standardization
- Classes with new requirements or standards
- · Writing intensive classes, theory classes, etc.
- · Lab classes?

Myth #8: People learn more in face-to-face settings than blended or fully online ones.

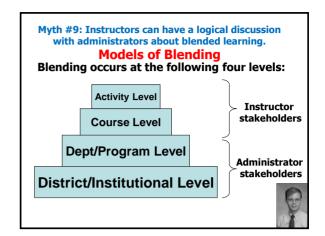
#### **Fully Online and Blended Learning Advantages**

- 1. Increased Learning (better papers, higher scores)
- Course access at one's convenience and flexible completion (e.g., multiple ways to meet course objectives)
- 4. Reduction in physical class or space needs, commuting, parking, etc.

2. More effective pedagogy and interaction

- 5. Increased opportunities for human interaction, communication, & contact among students
- 6. Introverts participate more

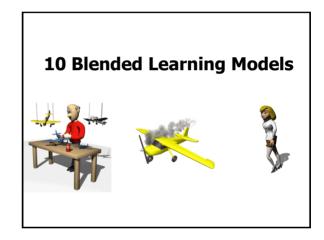




Myth #10: There is a best model of blended.

AMA Special Report, Effectively
Implementing a Blended Learning Approach
(Steven Shaw & Nicholas Igneri, 2006)

Before Seminar Colling
Prepare
Pr



Classifying K-12 Blended Learning
Heather Staker and Michael B. Horn, May 2012
http://www.limosightinsthite.org/inosight/wg-content/uploseh/2012/05/Classifying-k-12-blended-learning2.pdf

Figure 1. Blended-learning taxonomy

BLENDED LEARNING

Online tearning

BLENDED LEARNING

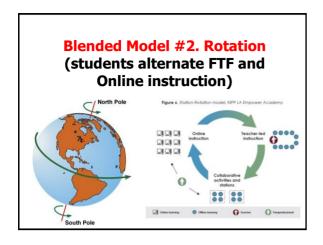
Self-Blend
model

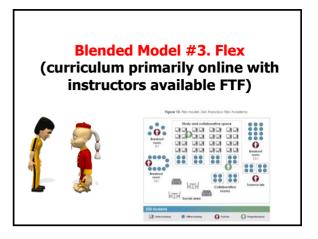
Filipsed-Classroom model

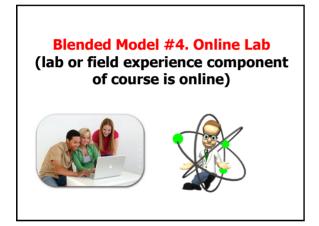
Individual-Rotation model

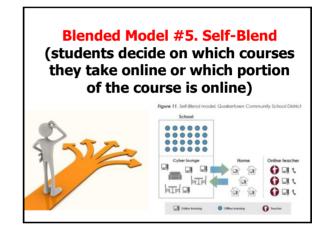
Individual-Rotation model

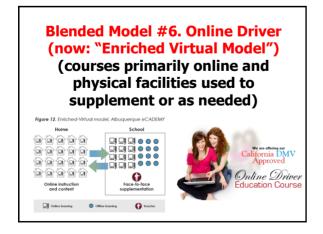
Blended Model #1.
Face-to-Face Primary
(online is for remediation of supplement)



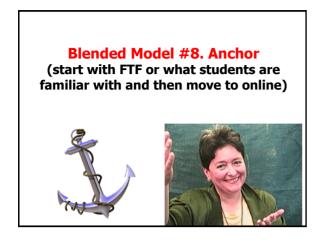


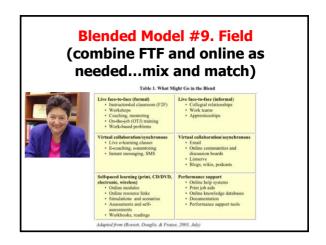


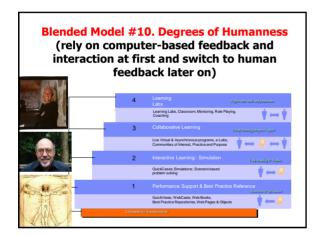


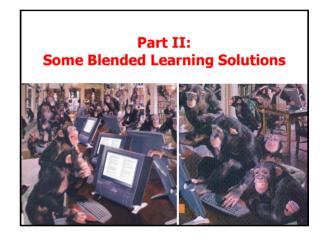


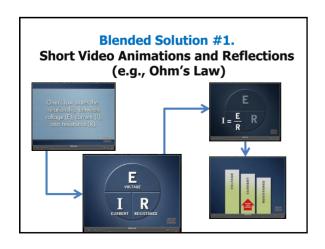






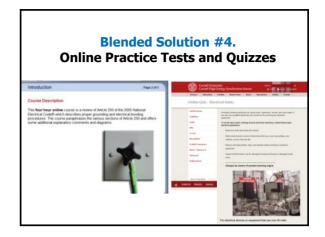




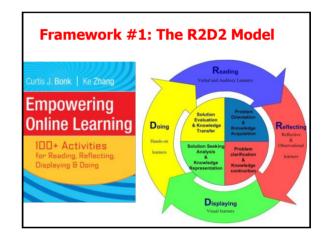












#### The R2D2 Method

- 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.

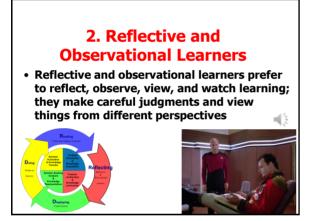


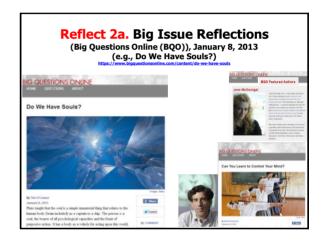




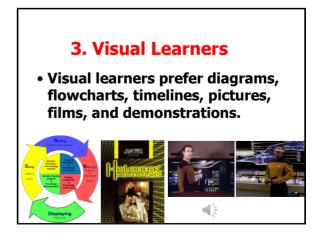


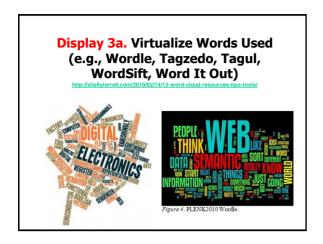


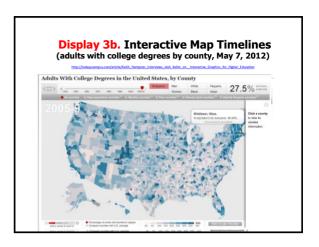






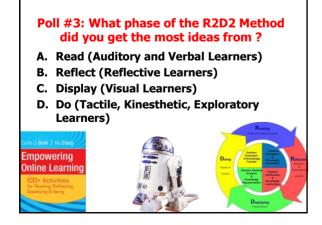






# 4. Tactile/Kinesthetic Learners • Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.







# Sleepy U?



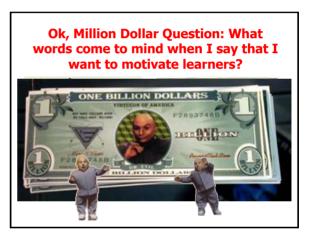


# February 24, 2013 Big (MOOC) Data, Inside Higher Education, Dayna Catropa http://www.insidehighered.com/blogs/stratedgay/big-mooc-data Registered Watched at least one video Took any quiz during the course Scored 90 on bith Week 1 quizze Scored 90 on bith Week 1 quizze Scored 90 on either quiz in Week 4 Attempted the final exam 348 Earned a distinction certificate Bioelectricity A Quantifictive Approach Registered Registered Quantifictive Approach Registered Register

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

- 1. 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.





# Framework #2: 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, Intrique, 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

