





#### **January 20, 2016**

Universities tap growth of craft beer, offer classes, Chicago Tribune

Portland State University in Oregon started an online Business of Craft Brewing program in 2013. It has become one of the school's most successful professional certificate programs, drawing people from around the world, said Scott Gallagher, the university's director of communications.



#### **January 20, 2016**

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"We discovered that there's a huge need for people who wanted to get a certificate," Gallagher said. "They didn't necessarily want to go to college or already had a college degree and wanted to open up a brew pub."



#### XVIII. Learning is More Blended March 22, 2015

Madagascar marvel:

Divers find fossils of extinct giant lemurs

Daisy Carrington, for CNN, March 22, 2015 http://www.cnn.com/2015/03/19/africa/underwater-fossillemur-graveyard-madagascar/index.html



Human Ancestor <u>Discove</u>red



### May 28, 2015 (Immediate, Digital, and Resource Rich)

Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN

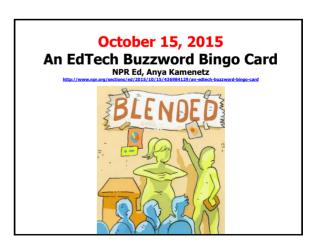






# May 28, 2015 New species from Ethiopia further expands Middle Pliocene hominin diversity, Nature http://www.nature.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html ARTICLE New species from Ethiopia further expands Middle Pliocene hominin diversity Water and the first transfer that are the first suggested variety was findled.

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#### **Learning is More Blended...**

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

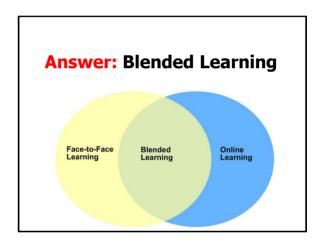


















Myth #1: If you read the enough research you will be able to know the impact of blended learning.

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





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)





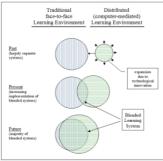


Classifying K-12 Blended Learning Heather Staker and Michael B. Horn, May 2012

"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."



#### **Historical Emergence of Blended** (Graham, 2006)





Myth #4: People will know what I am saying when I say "blended learning." Myth #5: Blended is the same as "hybrid." **The Sloan Consortium** 

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

#### 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
- · 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?

#### **Examples of Blended Learning**

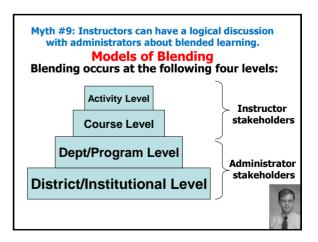
- Put assessments/reviews online
- **Online discussions**
- Online labs
- Put reference materials on Web
- **Deliver pre-work online**
- **Provide office hours online**
- Use mentoring/coaching tool
- **Access experts live online**

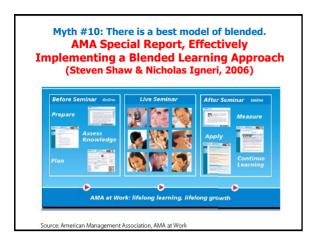


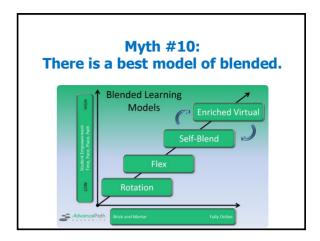
# **January 30, 2016 Welcome to the Blended Learning Toolkit, University of Wisconsin** Blended Learning Toolkit ARE YOU BI ENDING ALREADY?

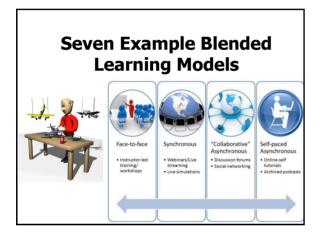
#### Myth #8: People learn more in face-to-face settings than blended or fully online ones. **Fully Online and Blended Learning Advantages**

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

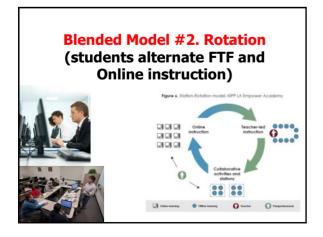


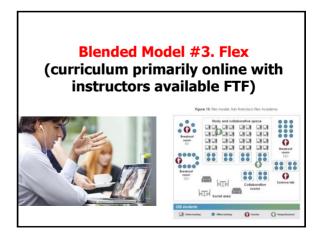


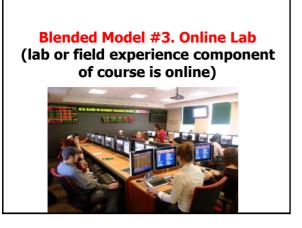


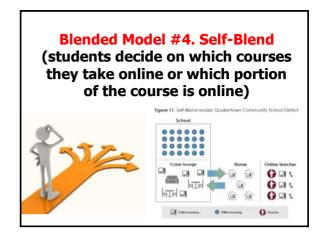


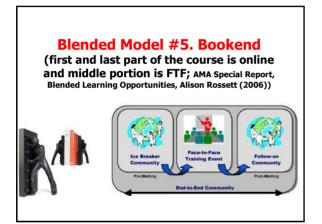


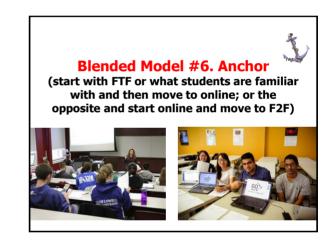


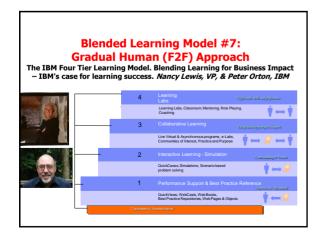


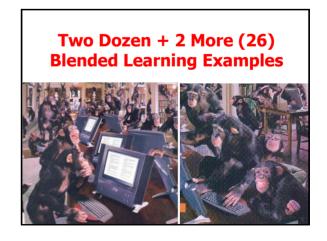


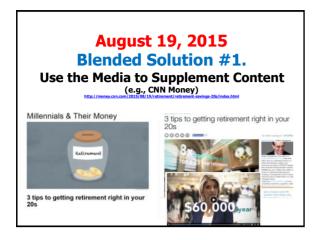












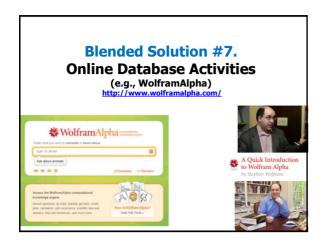




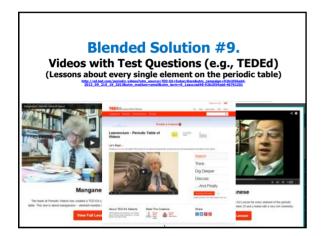


















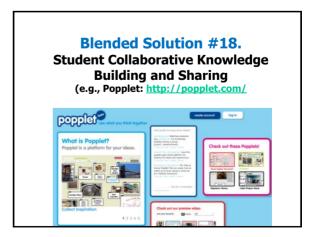


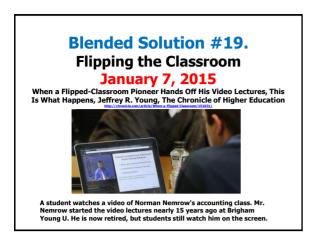


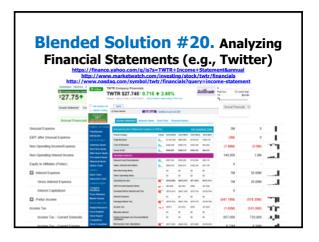




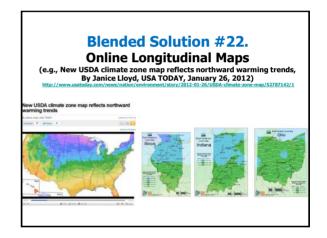




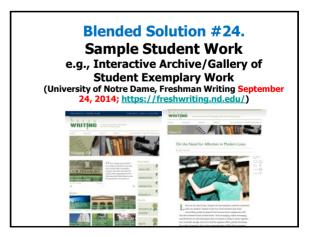
















#### Again, this talk covered...

- 1. 30 (ok, 18) Ways Learning is changing
- 2. 1 Definition of blended learning
- 3. 10 Myths of blended learning
- 4. 7 Models of blended learning
- 5. 26 Examples of blended learning





#### Let's Review: Learning is Changing...

(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)



Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge.



Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

# We are entering a jumping off point...

(South University of Science and Technology of China, Wednesday June 10, 2015)



## Any Questions or Comments?

Slides at: TrainingShare.com
Papers: PublicationShare.com

Free book: <a href="http://tec-variety.com/">http://tec-variety.com/</a>
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