

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



Who Needs Blended and Online Learning?

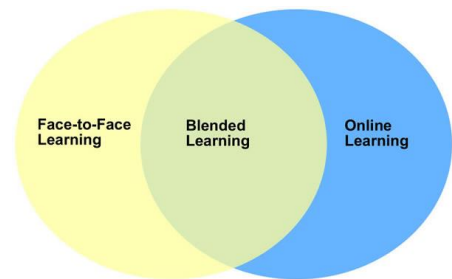


Those where there are diseases and outbreaks...

Those in earthquakes (e.g., Chile, China, Haiti)...



Answer: Blended Learning



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

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

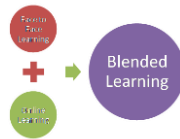


Is K-12 Blended Learning Disruptive

Heather Staker and Michael B. Horn,
Clayton Christensen Institute, May 2013
<http://www.christenseninstitute.org/publications/hybrids/>

Myths #2: Blended learning is easy to define.
Myth #3: Blended learning is hard to define.
Blending Online and F2F Instruction

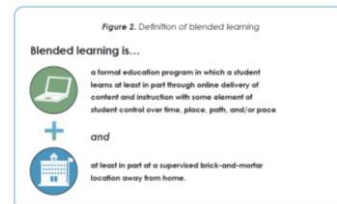
“Blended learning refers to events that combine aspects of online and face-to-face instruction” (Rooney, 2003, p. 26; Ward & LaBranche, 2003, p. 22)



Classifying K-12 Blended Learning

Heather Staker and Michael B. Horn, May 2012
<http://www.projectred.org/uploads/The-Rise-of-K-12-Blended-Learning.pdf>

“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.”



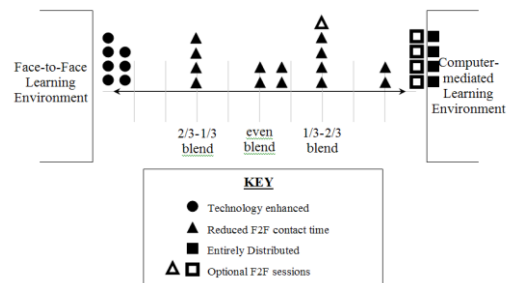
Myth #4: People will know what I am saying when I say “blended learning.”
Myth #5: Blended is the same as “hybrid.”

The Sloan Consortium

Proportion of content delivered online	Type of Course	Typical Description
0%	Traditional	Course with no online technology used - content is delivered in writing or orally.
1 to 29%	Web facilitated	Course which uses web-based technology to facilitate what is essentially a face-to-face course. Might use Blackboard or WebCT to post the syllabus and assignments, for example.
30 to 79%	Blended/Hybrid	Course that is a blend of the online and face-to-face course. Substantial proportion of the content is delivered online, typically uses online discussions, typically has some face-to-face meetings.
80+%	Online	A course where the vast bulk of the content is delivered online. Typically has no face-to-face meetings.



Myth #6: Knowing “how much” to blend is vital.
Range of Blends in Pew Cases



Source: Graham, C. R., & Allen, S. (2005). Blended learning: An emerging trend in education. In C. Howard & J. V. Boettcher & L. Justice & K. D. Schenk & P. L. Rogers & G. A. Berg (Eds.), *Encyclopedia of Distance Learning* (pp. 172-179). Hershey, PA: Idea 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
- 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



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

Fully Online and Blended Learning Advantages

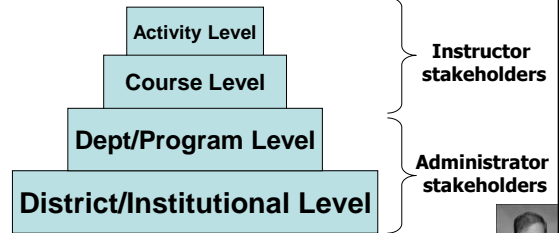
1. Increased Learning (better papers, higher scores)
2. More effective pedagogy and interaction
3. Course access at one's convenience and flexible completion (e.g., multiple ways to meet course objectives)
4. Reduction in physical class or space needs, commuting, parking, etc.
5. Increased opportunities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



Myth #9: Instructors can have a logical discussion with administrators about blended learning.

Models of Blending

Blending occurs at the following four levels:

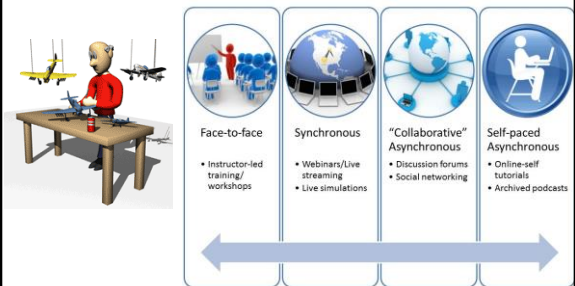


Myth #10: There is a best model of blended.
AMA Special Report, Effectively Implementing a Blended Learning Approach
 (Steven Shaw & Nicholas Igneri, 2006)



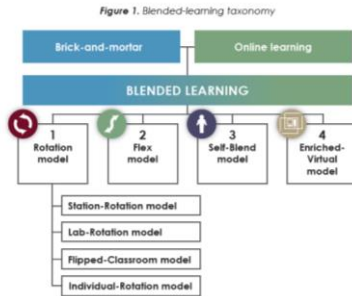
Source: American Management Association, AMA at Work.

Sample Blended Learning Models



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

<http://www.innosightinstitute.org/innosight/wp-content/uploads/2012/05/Classifying-K-12-blended-learning2.pdf>

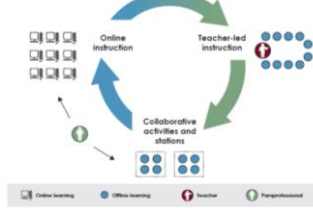


Blended Model #1. Face-to-Face Primary
 (online is for remediation of supplement)



Blended Model #2. Rotation
 (students alternate FTF and Online instruction)

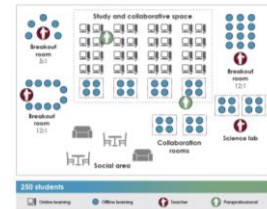
Figure 4. Station-Rotation model, KIPP LA Empower Academy



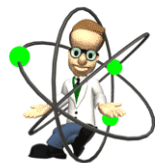
Blended Model #3. Flex
 (curriculum primarily online with instructors available FTF)



Figure 10. Flex model, San Francisco Flex Academy

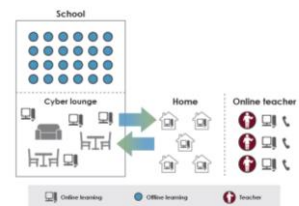


Blended Model #3. Online Lab
 (lab or field experience component of course is online)



Blended Model #4. Self-Blend
 (students decide on which courses they take online or which portion of the course is online)

Figure 11. Self-Blend model, Quakertown Community School District



Blended Model #5. Bookend

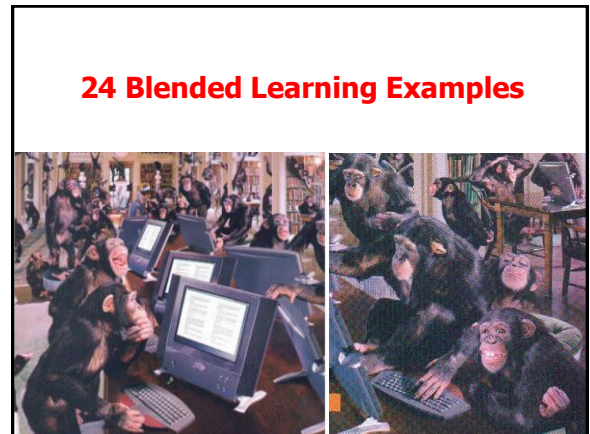
(first and last part of the course is online and middle portion is FTF; AMA Special Report, Blended Learning Opportunities, Alison Rossett (2006))

Blended Model #6. Anchor

(start with FTF or what students are familiar with and then move to online; or the opposite and start online and move to F2F)

Myth #7: Gradual Human (F2F) Approach

The IBM Four Tier Learning Model. Blending Learning for Business Impact – IBM's case for learning success. *Nancy Lewis, VP, & Peter Orton, IBM*



Blended Solution #1. Concept Animations

Blended Solution #2. Animations with Practice Tests

(e.g., Human Embryology from Valerie O'Loughlin, Indiana University)

Blended Solution #3. Anchor Learning in Concept Demonstrations

Dealing with Burn Injuries



Each abdominal thrust attempts to clear the victim's airway of the foreign object by forcing air out through the windpipe.



Blended Solution #4. Educational Videos: CNN, BBC, TED, TED-Ed, ForATV

Aaron Doering, Chasing Seals
<http://education.ted.com/>
<http://chasingseals.com/>



One-minute World News

Watch the latest news summary from BBC World News. International news updated 24 hours a day.

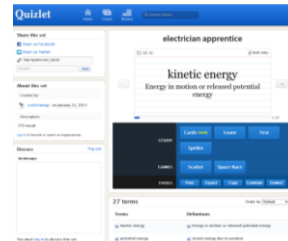


Speaking for Change and Humanity

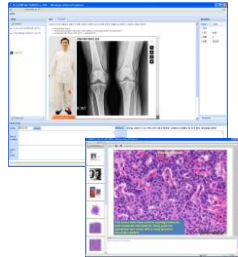
Blended Solution #5. Interactive Labs and Simulations <http://phet.colorado.edu/en/simulation/energy-skate-park>



Blended Solution #6. Online Practice Tests <http://quizlet.com/>



Blended Solution #7. Virtual Practice Activities (Sungkyunkwan (SKKU) University School of Medicine, www.mededu.or.kr)



Blended Solution #8. Screencasted Tutorials (Jing, GoView, Screenr)

Create Screencasts!



Blended Solution #9. Video Tutorials (e.g., ArtMaker.com)

<http://artmaker.com>



Blended Solution #11. Online Role Play or Debate



Blended Solution #11. Reading from Open Access Journals (e.g., PLOS)

<http://www.plos.org/>; <http://www.plosbiology.org/>; <http://www.plosgenetics.org/>



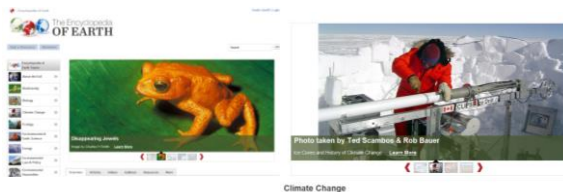
Blended Solution #12. Podcast Show Reflections

<http://www.firstaidshow.com/>
<https://itunes.apple.com/us/podcast/ita-instructor-training-first/id386403709>



Blended Solution #13. Online Encyclopedias & Referenceware (e.g, the Encyclopedia of Earth:

<http://www.eoearth.org/>
http://en.wikipedia.org/wiki/Encyclopedia_of_Earth



Blended Solution #14. Explore Online Resources (OER) (Commonwealth of Learning, March 2013)

http://www.col.org/news/Connections/2013Mar/Documents/Connections_March2013.pdf

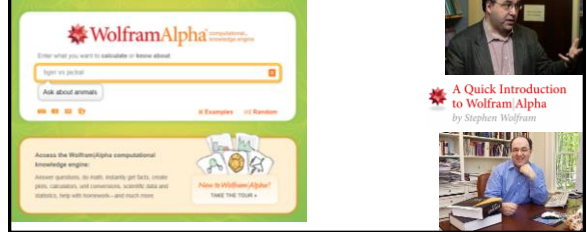
ONLINE COURSE DEVELOPMENT FOR TEACHER EDUCATION IN JAMAICA



Blended Solution #15.
3D Demonstration and Interactions
 (e.g., Anatomy and Biology)
<http://www.cyber-anatomy.com/>

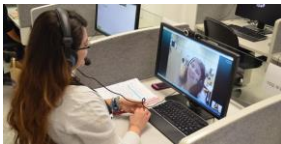


Blended Solution #16.
Online Database Activities
 (e.g., WolframAlpha)
<http://www.wolframalpha.com/>



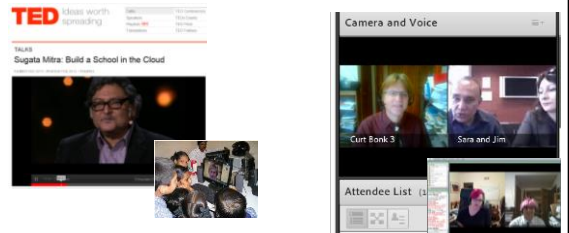
May 5, 2014
Blended Solution #17.

Technology-Enhanced Language Learning
 (Technology Provides Foreign-Language Immersion at a Distance,
 Danya Perez-Hernandez, Chronicle of Higher Education)
http://chronicle.com/article/Technology-Provides-Foreign-Language-Immersion-at-a-Distance/1463369?cid=st&utm_source=ch&utm_medium=en



Portuguese-language students at Virginia Commonwealth U. hold a "teletandem" session with students in Brazil who are learning English. The approach "basically forces you to learn," says one student. "It pushes you to practice the language to make sure you are ready for the next meeting."

Blended Solution #18.
Virtual Mentors and Guest Experts
 (Build a School in the Cloud; Self-Organized Learning
 Environments (SOLEs)
 Serious Gaming Institute, Coventry, UK
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html



Blended Solution #19.
Expert Question and Answer Sessions
 (e.g., International Studies in Schools (ISIS))

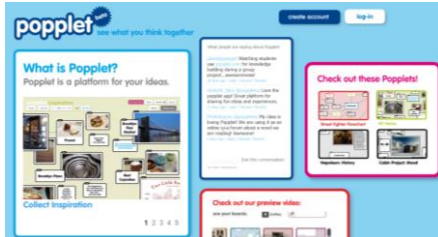


Blended Solution #20.
Concept Mapping and Timeline Tools
 (VUE, Bubbl.us, Cmap, Freemind, Giffy,
 Mindmeister, or Mindomo)



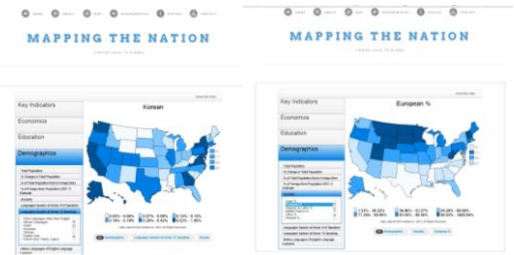
Blended Solution #21. Student Collaborative Knowledge Building and Sharing

(e.g., Popplet: <http://popplet.com/>)



Blended Solution #22. Using Free Online Media Elements (e.g., Mapping the Nation)

<http://mappingthenation.net/map.html>

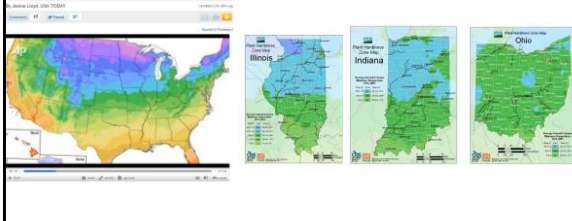


Blended Solution #23. Online Longitudinal Maps

(e.g., New USDA climate zone map reflects northward warming trends,
By Janice Lloyd, USA TODAY, January 26, 2012)

<http://www.usatoday.com/news/nation/environment/story/2012-01-26/USDA-climate-zone-map/52787142/1>

New USDA climate zone map reflects northward warming trends



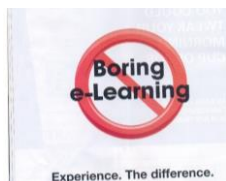
Blended Solution #24. Online Collaborative Activities

(e.g., Google Hangouts, Google Docs, Skype, etc.)



Again, this talk covered...

1. 1 Definition of blended learning
2. 10 Myths of blended learning
3. 7 Models of blended learning
4. 24 Examples of blended learning



Any Questions?



Slides at: TrainingShare.com



Papers: PublicationShare.com



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Email: curt@worldisopen.com

