Blended Learning A to Z: Myths, Models, and Moments of Magic
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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...

Answer: 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)
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

<table>
<thead>
<tr>
<th>Property of content delivered online</th>
<th>Type of Course</th>
<th>Typical Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0% Traditional</td>
<td></td>
<td>Course with no online technology used - content is delivered entirely in a face-to-face environment.</td>
</tr>
<tr>
<td>1 to 29% Web Facilitated</td>
<td></td>
<td>Course 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.</td>
</tr>
<tr>
<td>30 to 79% Blended/Hybrid</td>
<td></td>
<td>Course that is a blend of the online and face-to-face courses. Significant proportion of the content is delivered online. Typically uses online discussions, typically has some face-to-face meetings.</td>
</tr>
<tr>
<td>80% Online</td>
<td></td>
<td>A course where the vast bulk of the content is delivered online. Typically has no face-to-face meetings.</td>
</tr>
</tbody>
</table>

Myth #6: Knowing “how much” to blend is vital.

Range of Blends in Pew Cases

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?

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:

- Activity Level
- Course Level
- Dept/Program Level
- District/Institutional Level

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

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

Blended Learning Khan Academy and Clayton Christensen Institute

10 Blended Learning Models

Empowering Students with the Top Four Blended Learning Models, LeAnne Stewart, February 5, 2014, Advanced Path Academics

Blended Model #1. Face-to-Face Primary (online is for remediation of supplement)
Blended Model #2. Rotation (students alternate FTF and Online instruction)

Blended Learning
Khan Academy and Clayton Christensen Institute
http://www.khanacademy.org/partner-content/ssf-cci

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

Online Driver (now: “Enriched Virtual Model”) (courses primarily online and physical facilities used to supplement or as needed)

Blended Model #4. Online Lab (lab or field experience component of course is online)

Blended Model #5. Self-Blend (students decide on which courses they take online or which portion of the course is online)
**Blended Model #6. 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 #7. Anchor**
(start with FTF or what students are familiar with and then move to online)

**24 Blended Learning Examples**

**Blended Solution #1. Concept Animations**

**Blended Solution #2. Anchor Learning in Concept Demonstrations**

**Blended Solution #3. Interactive Labs and Simulations**
http://phet.colorado.edu/en/simulation/energy-skate-park
Blended Solution #4.
Online Practice Tests
http://quizlet.com/

Blended Solution #5.
Reading from Open Access Journals (e.g., PLOS)

Blended Solution #6.
Screencasts and Tutorials
(Jing, GoView, Screenr)

Blended Solution #7.
Explore Online Resources
(Commonwealth of Learning, March 2013)

Blended Solution #8.
Online Database Activities
(e.g., WolframAlpha)
http://www.wolframalpha.com/

Blended Solution #9.
Online Anatomy and Biology
http://www.cyber-anatomy.com/
**Blended Solution #10.**
Concept Mapping and Timeline Tools
(VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)

**Blended Solution #11.**
Educational Videos: TED-Ed
http://education.ted.com/

**Blended Solution #12.**
Online Role Play or Debate

**Blended Solution #13.**
Using Online Encyclopedias
(e.g., the Encyclopedia of Earth:
http://www.eoearth.org/)

**Blended Solution #14.**
Free Expert Videoconferencing
February 22, 2013
NASA’s spacey Google+ Hangout shows off zero-G antics – and cats!
http://cosmiclog.nbcnews.com/_news/2013/02/22/17057588-nasas-spacey-google-hangout-shows-off-zero-g-antics-and-cats

**Blended Solution #15.**
Flip the Classroom
Lacking Teachers and Textbooks, India’s Schools Turn to Khan Academy to Survive, NY Times, Anupama Chandrasekaran

Students at Sree Karpagavalli Vidhyalaya school in Chennai, Tamil Nadu, watching Khan Academy math videos.
**Blended Solution #16.**
Virtual Mentor Teachers
(e.g., The Granny Cloud)
(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), February 2013, TED Talk from Sugata Mitra)
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html

**Blended Solution #17.**
Technology-Enhanced Language Learning
(May 5, 2014)
Technology Provides Foreign-Language Immersion at a Distance, Danya Perez-Hernandez, Chronicle of Higher Education
http://chronicle.com/article/Technology-Provides/146369/?cid=at&utm_source=at&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.**
Expert Question and Answer Sessions
(e.g., International Studies in Schools (ISIS))
The guest expert responds to questions posed by the audience based on a particular topic (the audience might read or watch ahead of time).

**Blended Solution #19.**
Online Labs and Simulations
http://www.biheartinstitute.org/patient-resources.php

**Blended Solution #20.**
Intro to Psychology Videos in YouTube

**Blended Solution #21.**
Student Collaborative Knowledge Building and Sharing
(e.g., Popplet: http://popplet.com/)
Blended Solution #22.
Comparison and Contrast Maps
(e.g., New USDA climate zone map reflects northward warming trends,
By Janice Lloyd, USA TODAY, January 26, 2012)

Blended Solution #23.
Human Embryology Animations
(Valerie O’Loughlin, Indiana University)

Blended Solution #24.
Podcast Show Reflections
http://www.firstaidshow.com/

Again, this talk covered...
1. Definition of blended learning
2. 10 Myths of blended learning
3. 7 Models of blended learning
4. 24 Examples of blended learning

Next Steps for me...
And Next Steps for you...

Any Questions?

Slides at: TrainingShare.com
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