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

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Too often fully online learning may not be reputable...

Buyer Beware! Don't Be Fooled by Online-Only CPR or First Aid Certification Scams.

The only way these physical skills can be learned is by actually practicing them.

Problems of fully online?

What to Avoid When Shopping Online for Training
Common buzzwords and phrases to look for:

· Online CPR cards, download instantly
· Download your certification card right after finishing your course
· No hands-on skills required
· 100% online
· Immediate certificate or wallet card
· Have your card/be certified today
· Nationally validated, nationally recognized = *there is no nationally accrediting or governing body for emergency care training*
· Full refund if not accepted

Who needs blended Learning?

Going the Distance

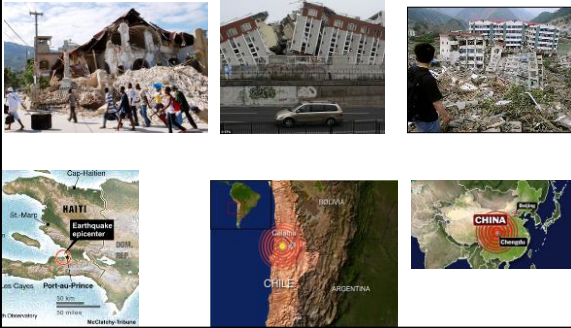**Those where there are diseases and outbreaks...**

Those in hurricanes (e.g., Katrina, Ike, etc.)!

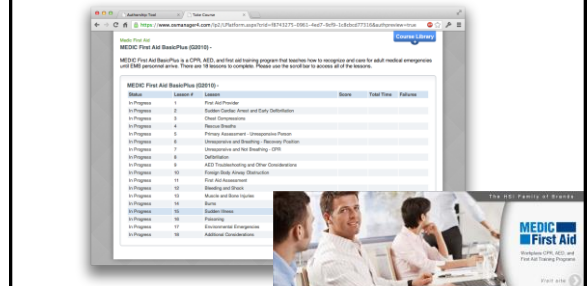**Those in earthquakes (e.g., Chile, China, Haiti)…**

Blending Online Is the Solution!

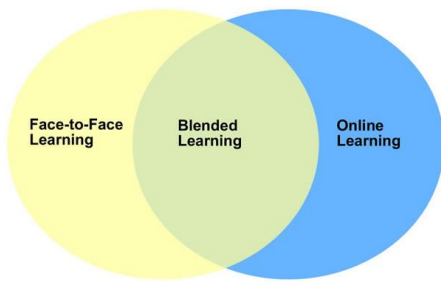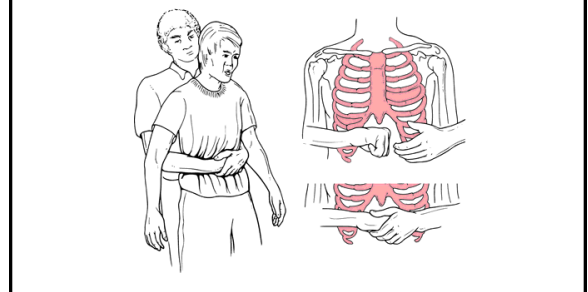**Question: How to Meet Core Knowledge Objectives?**

How to Meet Core Knowledge Objectives?

Answer: Blended Learning

Face-to-Face Learning | Blended Learning | Online Learning

e.g., Online Demonstrations

Anchored Instruction
(with video demonstration),
October 6-12, 2013 Is Fire Prevention Week, ASHI, Kristine Rice, October 9, 2013
http://www.hsi.com/Blog/bid/102423/October-6-12-2013-Is-Fire-Prevention-Week

Dealing with Burn Injuries

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**

Recent Reports on Blended
The Handbook of Blended Learning: Global Perspectives, Local Designs (Bonk & Graham)
http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA495731
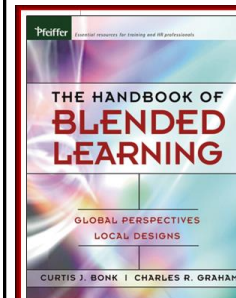
Is K-12 Blended Learning Disruptive
Heather Staker and Michael B. Horn, Innosight Institute, May 2013
http://www.projectred.org/uploads/The-Rise-of-K-12-Blended-Learning.pdf
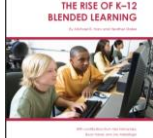
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Blended Learning Defined and Explained

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)

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

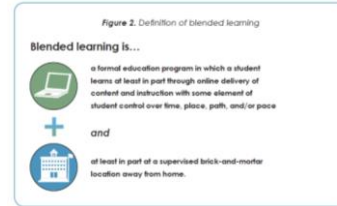**"Blended learning is any time a student learns at least in part at a supervised brick-and-mortar location away from home *and at least in* part through online delivery with some element of student control over time, place, path, and/or pace."**

Figure 2. Definition of blended learning

Blended learning is...
a formal education program in which a student learns at least in part through online delivery of content and instruction with some element of student control over time, place, path, and/or pace

and

at least in part at a supervised brick-and-mortar location away from home.

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

One critical part of the definition of blended learning is that it involves "some element of student control of time, place, path, and/or pace." Digital Learning Now! describes each dimension:

- **Time:** Learning is no longer restricted to the school day or the school year.
- **Place:** Learning is no longer restricted to the walls of the classroom.
- **Path:** Learning is no longer restricted to the pedagogy used by the teacher. Interactive and adaptive software allows students to learn [in a method that is customized to their needs].
- **Pace:** Learning is no longer restricted to the pace of an entire classroom of students.

Source: "Roadmap for Reform."
http://digitallearningnow.com/wp-content/uploads/2011/10/Roadmap-for-Reform-.pdf

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Historical Emergence of Blended
**(Graham, 2006)**
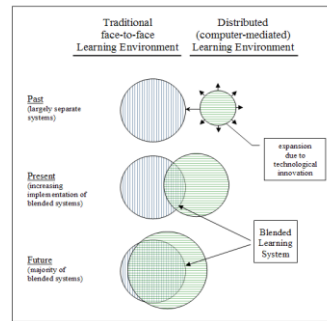
Myth #4: People will know what I am saying when I say "blended learning."
Myth #5: Blended is the same as "hybrid."
The Sloan Consortium

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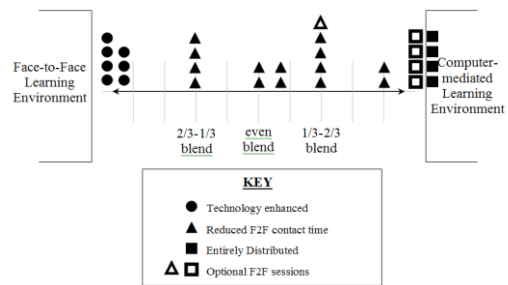
Source: Graham, C. R., & Allen, S. (2005). Blended learning: An emerging trend in education. In C. Howard & J. V. Boettecher & L. Justice & K. D. Schenk & P. L. Rogers & G. A. Berg (Eds.), *Encyclopedia of Distance Learning* (pp. 172-179). Hershey, PA: Idea Group Inc.

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.
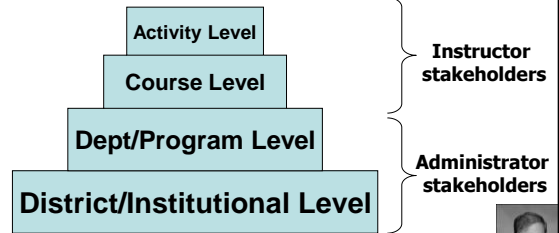### Fully Online and Blended Learning Advantages

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:

Activity Level	} Instructor stakeholders
Course Level	
Dept/Program Level	} Administrator stakeholders
District/Institutional Level	

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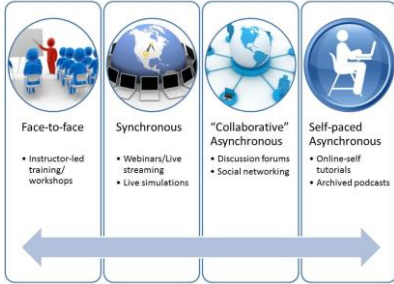**(Steven Shaw & Nicholas Igneri, 2006)**

Source: American Management Association, AMA at Work

10 Blended Learning Models
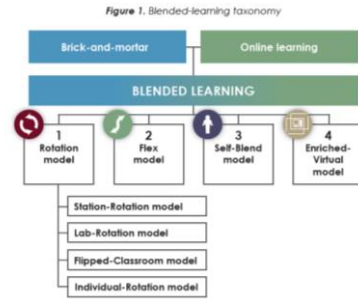
10 Blended Learning Models

Face-to-face
- Instructor-led training/ workshops

Synchronous
- Webinars/Live streaming
- Live simulations

"Collaborative" Asynchronous
- Discussion forums
- Social networking

Self-paced Asynchronous
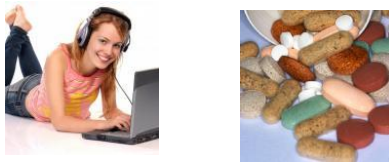- Online-self tutorials
- Archived podcasts

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

Figure 1. Blended-learning taxonomy

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

Blended Model #2. Rotation
(students alternate FTF and Online instruction)
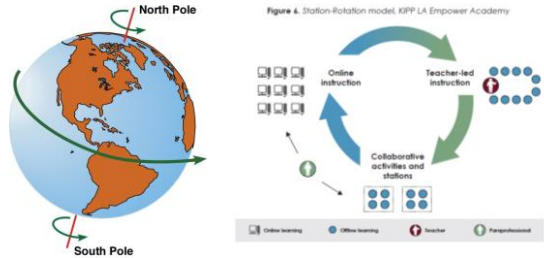
Blended Model #3. Flex
(curriculum primarily online with instructors available FTF)
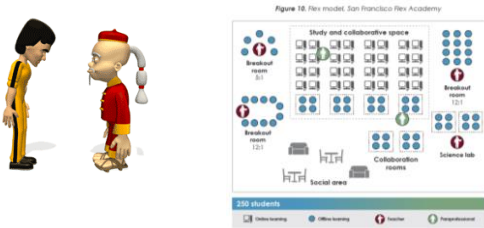
Blended Model #4. Online Lab
(lab or field experience component of course is online)

Blended Model #5. Self-Blend
(students decide on which courses they take online or which portion of the course is online)
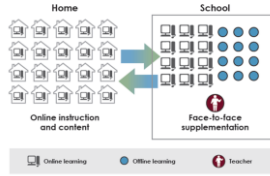
Figure 11. Self-Blend model, Quakertown Community School District
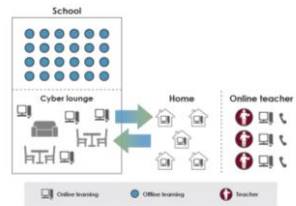
Blended Model #6. Online Driver (now: "Enriched Virtual Model")
(courses primarily online and physical facilities used to supplement or as needed)

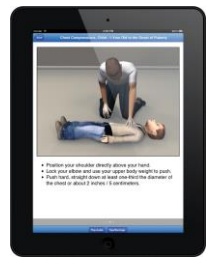Figure 12. Enriched-Virtual model, Albuquerque eCADEMY

Blended Model #7. 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 #8. Anchor
(start with FTF or what students are familiar with and then move to online)

The Blended Learning First Aid CPR Model

Blended Model #9. Field
(combine FTF and online as needed...mix and match)

Blended Learning Approach
(Electricians)

BLENDED LEARNING
This unique approach includes instructor-led hands-on training, lectures, eLearning and web based evaluation and instruction.
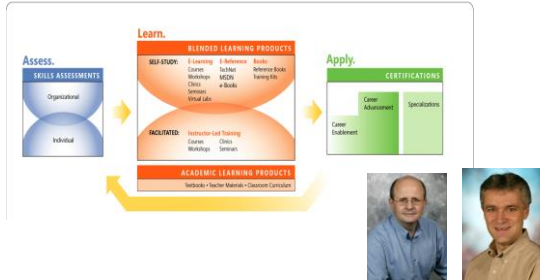
LEARN MORE ABOUT BLENDED LEARNING ▶

Blended Model #10. Degrees of Humanness
**(rely on computer-based feedback and interaction at first and switch to human feedback later on)**

4	Learning Labs	*Higher order skills and performance*
	Learning Labs, Classroom, Mentoring, Role Playing, Coaching	
3	Collaborative Learning	*Group learning from peers & experts*
	Live Virtual & Asynchronous programs, e-Labs, Communities of Interest, Practice and Purpose	
2	Interactive Learning - Simulation	*Understanding of practice*
	QuickCases; Simulations; Scenario based problem solving	
1	Performance Support & Best Practice Reference	*Awareness & information*
	QuickViews; WebCasts, Web Books, Best Practice Repositories, Web Pages & Objects	
Competency Assessments		

Framework for organizational development through training
Assess, Learn, and Apply
(Copyright Microsoft, Ziob & Mosher, 2006; Handbook of Blended Learning)

Microsoft Products and Services for Lifelong Learning

Part II:
15 Blended Learning Examples
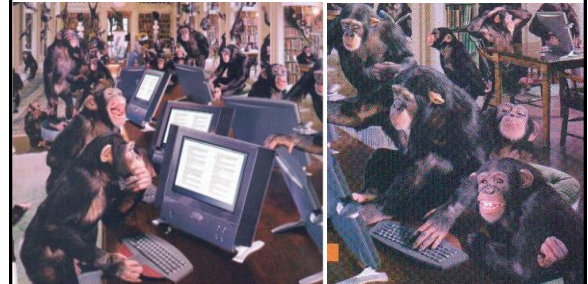
First Aid Courses:
FTF, Blended, or Fully Online?

New Blended Learning Programs
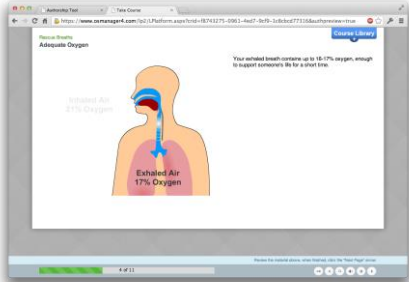Learn More

Take a Family First Aid and CPR Online Course
Enroll Now ▶

Blended Solution #1.
Scenario and Case-based Learning

Blended Solution #2.
Concept Animations

Blended Solution #3.
Concept Demonstrations

Blended Solution #3.
Concept Demonstrations (continued)…

Blended Solution #4.
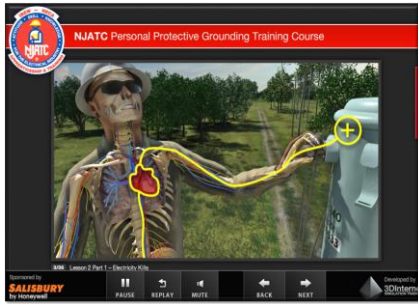### Images of Terms and Concepts

Blended Solution #5.
Online Practice Tests and Quizzes

Blended Solution #6.
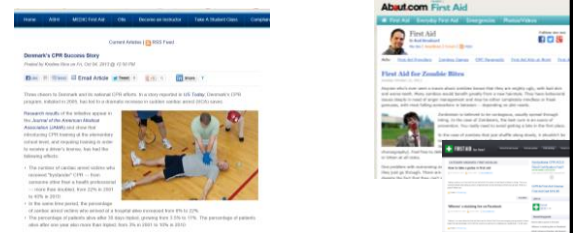### Anchor Concepts in Shared Online Video

Blended Solution #7.
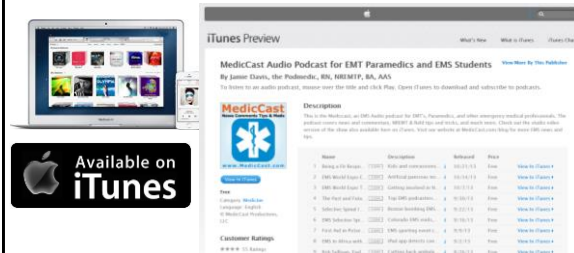## Virtual Safety Training

Blended Solution #8.
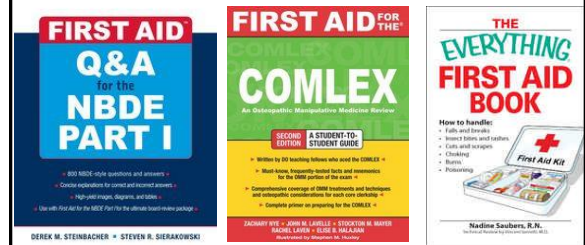## Electronics News Blog Readings and Reflections
http://www.hsi.com/blog
http://firstaid.about.com/b/

Blended Solution #9.
Podcast Show Reflections
http://www.firstaidshow.com/
https://itunes.apple.com/us/podcast/itg-instructor-training-first/id386403709

Blended Solution #10.
E-books (First Aid)

Blended Solution #11.
Online Role Play or Debate

Blended Solution #12.
Online Labs and Simulations
http://www.biheartinstitute.org/patient-resources.php
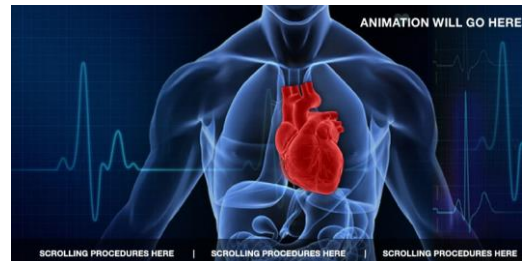
Blended Solution #13.
Online Professional Development (e.g., CPR renewal)
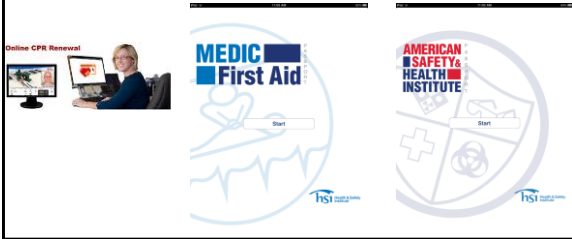
Blended Solution #14.
Expert Videoconferencing

Blended Solution #15.
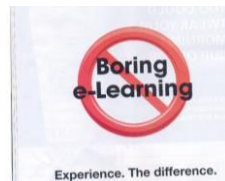**Mobile Apps for the CPR Training**

Blended Solution #15.
Mobile Apps for the other training and resources

Again, this talk covered…

1. 1 Definition of blended learning
2. 10 Myths of blended learning
3. 10 Models of blended learning
4. 15 Examples of blended learning

Any Questions?

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
Email: curt@worldisopen.com