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

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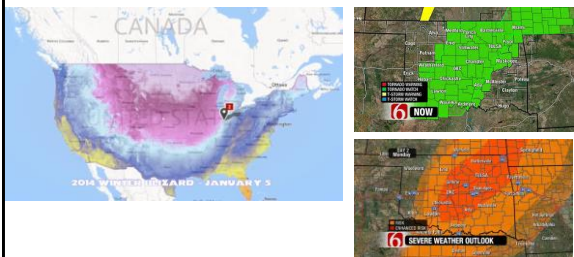**cjbonk@indiana.edu**
http://mypage.iu.edu/~cjbonk

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?

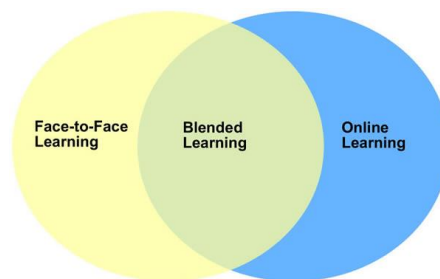**Those where there are diseases and outbreaks...**

May 31, 2015
MERS, South China Morning Post
http://www.scmp.com/news/hong-kong/health-environment/article/1813336/mers-case-brings-back-memories-hong-kongs-sars

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Answer: Blended Learning

Face-to-Face Learning — Blended Learning — Online 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
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, or pace

and

at least in part at a supervised brick-and-mortar location away from home.
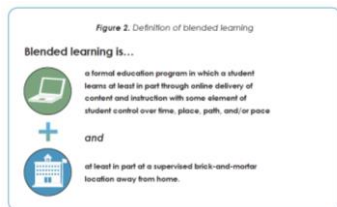
Historical Emergence of Blended
(Graham, 2006)
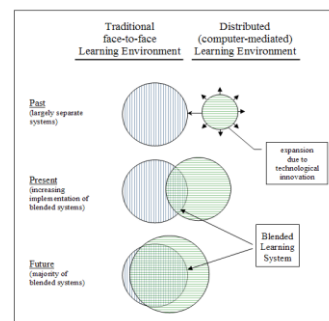
Myth #4: People will know what I am saying when I say "blended learning."
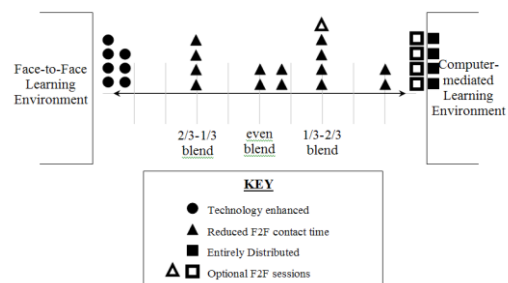## Myth #5: Blended is the same as "hybrid."
The Sloan Consortium

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

KEY
- ● Technology enhanced
- ▲ 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. 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:

Activity Level

Course Level   } Instructor stakeholders

Dept/Program Level

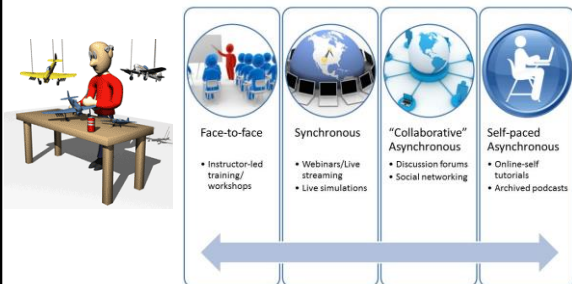**District/Institutional Level**   } Administrator stakeholders
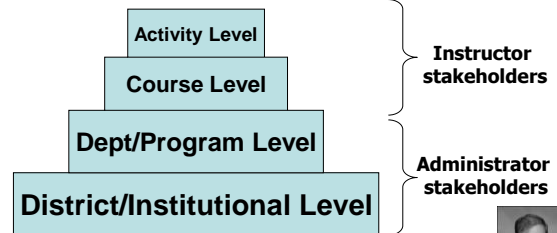
Myth #10: There is a best model of blended.
AMA Special Report, Effectively Implementing a Blended Learning Approach
(Steven Shaw & Nicholas Igneri, 2006)

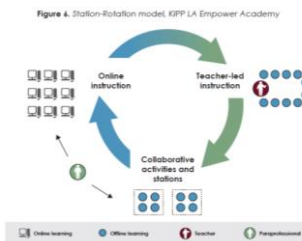Source: American Management Association, AMA at Work

Seven Example Blended Learning Models

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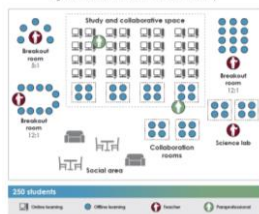(online is for remediation of
supplement)**

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

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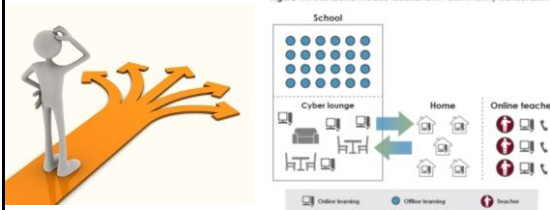instructors available FTF)**

**Blended Model #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)**

**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)
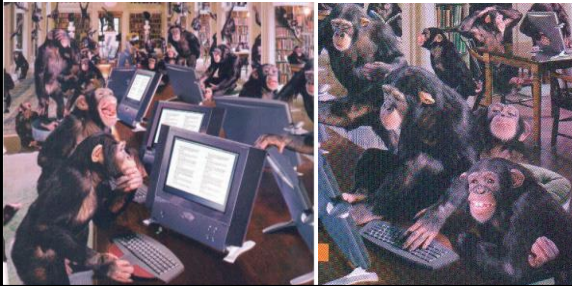

Myth #7: Gradual Human (F2F) Approach
The IBM Four Tier Learning Model. Blending Learning for Business Impact – IBM's case for learning success. *Nancy Lewis, VP, & Peter Orton, IBM*
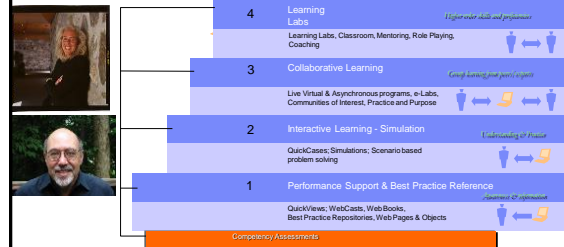
30 Blended Learning Examples

Blended Solution #1.
Workplace Internship, Practicum, and Field Experiences

Blended Solution #2.
Goal Setting Tools
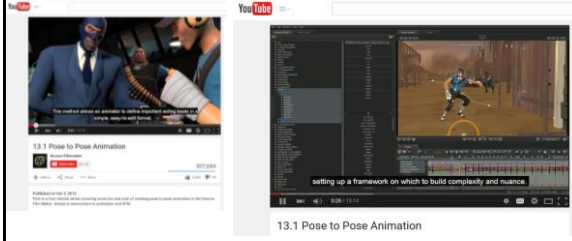**(e.g., I Done This, Milestone Planner, and 43 Things)**

Blended Solution #3.
Online Role Play or Debate
(e.g., documentary production)

Blended Solution #4.
Key Concept Animations
(Pose to Pose Animation)
https://www.youtube.com/watch?v=iEz7TslI-fs

Blended Solution #5.
Key Concept Demonstrations
https://www.youtube.com/watch?v=ReAem-rZp2Y

Blended Solution #6.
Video Tutorials, Demonstrations,
and How-To's
WonderHowTo and Howcast
http://www.howcast.com/
http://www.wonderhowto.com/
http://www.howcast.com/?s=tune+a+drum

Blended Solution #7.
Media Generated Content as
Instructional Anchor
(e.g., Blues Music, Film, etc.)
(Blues legend B.B. King dies at age 89, May 15, 2015, VNN)
http://www.cnn.com/2015/05/15/entertainment/bb-king-dead/index.html

Blended Solution #8.
Reflect on Virtual Timelines
(Dipity, xtimeline, Simile, etc.)
http://www.usatoday.com/news/destinations/story/2011-08-25/Martin-Luther-King-Jr-Memorial-in-Washington-A-closer-look/50136470/1?csp=34news
http://usatoday30.usatoday.com/tech/news/story/2011-09-22/steve-jobs-dies/50672498/1
http://www.cnet.com/news/steve-jobs-a-timeline/
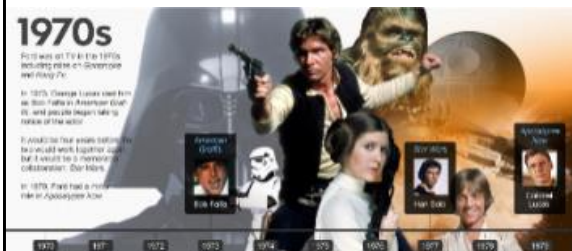
Blended Solution #9.
Video Anchor: Drama (Urban School
Performance Project in Lucknow, India)
Kathleen Gallagher from OISE. She does international/urban work using
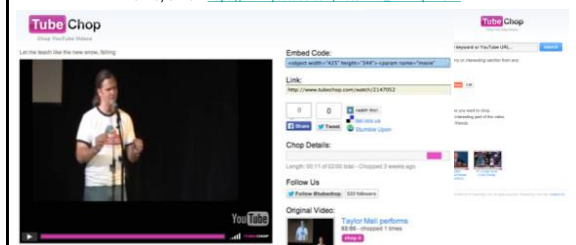digital technologies to give voices to marginalized youth through drama.
https://www.youtube.com/watch?v=JVCgf1cd4ZI

Blended Solution #10.
Short Video Anchors
**(e.g., TubeChop of V-PORTAL: Video Primers in an Online Repository of e-Teaching and Learning)**
Curt Bonk: http://www.tubechop.com/watch/378752
Taylor Mali performs: http://www.tubechop.com/watch/2147052
Full Taylor Mali: https://www.youtube.com/watch?v=_1MHVgAWGmI

Blended Solution #11.
Collaborative Video Annotations and Discussions (Craig Howard, IU)
http://scholarworks.iu.edu/journals/index.php/ijdl/article/view/853/912
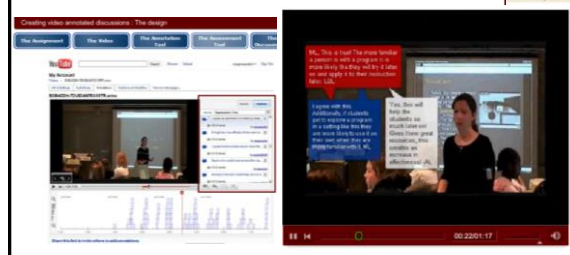
Blended Solution #12.
Expert Question and Answer Sessions
http://www.oise.utoronto.ca/dr/Research_Projects/index.html

Blended Solution #13.
Review and Reflect on Existing Expert Content
https://www.youtube.com/watch?v=Sb0jR-C57f0

Blended Solution #14.
Educational Videos:
CNN, BBC, TED, TED-Ed, ForaTV
Patsy Rodenburg: Why I Do Theater: https://www.ted.com/talks/patsy_rodenburg_why_i_do_theater
Ben Cameron: The true power of the performing arts : http://www.ted.com/talks/ben_cameron_tedxyyc?language=en
Kenichi Ebina: My magic moves: http://www.ted.com/talks/kenichi_ebina_s_magic_moves
Mallika Sarabhai: Dance to change the world: http://www.ted.com/talks/mallika_sarabhai
Wayne McGregor: A choreographer's creative process in real time: http://www.ted.com/talks/wayne_mcgregor_a_choreographer_s_creative_process_in_real_time
Bill T. Jones: The dancer, the singer, the cellist ... and a moment of creative magic
http://www.ted.com/talks/bill_t_jones_the_dancer_the_singer_the_cellist_and_a_moment_of_creative_magic
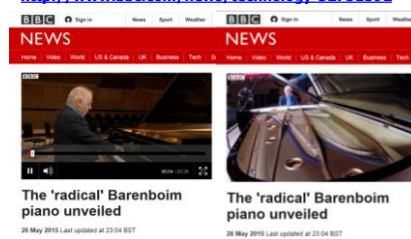

Blended Solution #15.
Educational Videos:
CNN, BBC, TED, TED-Ed, ForaTV
BBC One-Minute World News (May 27, 2015)
Turning Van Gogh's The Night Cafe into virtual reality
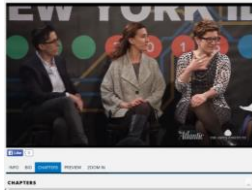http://www.bbc.com/news/technology-32751392

Blended Solution #16.
Fora TV
(i.e., "the Conference Channel" or "YouTube for Thinkers;" (Live and On-Demand Videos from the World's Best Conferences and Events)
http://library.fora.tv/
http://library.fora.tv/2015/05/20/12_tony_nominations_3_women_and_a_graphic_memoir_on_stage

Blended Solution #17.
Video Tutorials (e.g., ArtMaker.com)
http://artmaker.com

Blended Solution #18.
Create Screencasted Tutorials
(Jing, GoView, Screenr, Overstream, Screencast-o-Matic; see http://tec-variety.com/TEC-Variety_links-examples-resources.pdf)
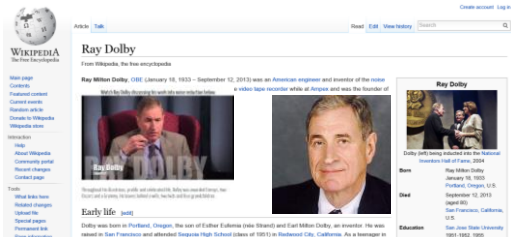

Blended Solution #19.
Combining Media (Dual Coding Theory: Wikipedia + Video)
Text: http://en.wikipedia.org/wiki/Ray_Dolby
Video (September 20,2000): http://www.gigwise.com/news/84155/audio-pioneer-

Blended Solution #20.
Voice/Audio Feedback
Vocaroo: http://vocaroo.com/
http://vocaroo.com/delete/s0x8moQAYAiu/a37bbc9408bb8c95
(Recorded by Curt Bonk for the Open University of China)
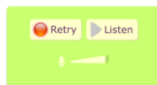
Blended Solution #21.
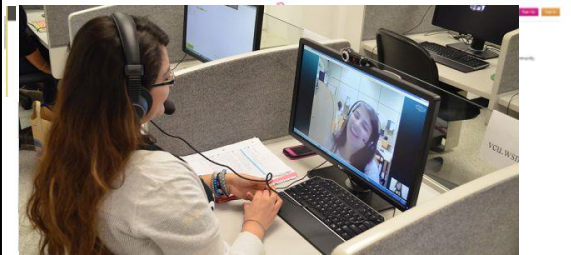### Language Lessons Online
BBC Learning English
http://www.bbc.co.uk/learningenglish
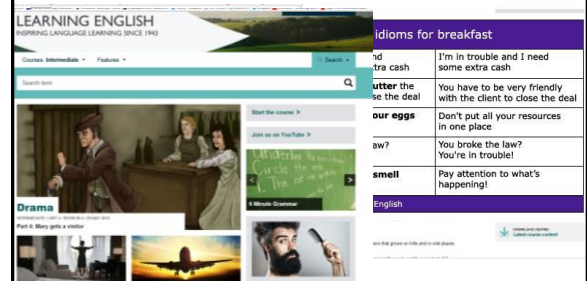
Blended Solution #22.
**Foreign Language Immersion at a Distance
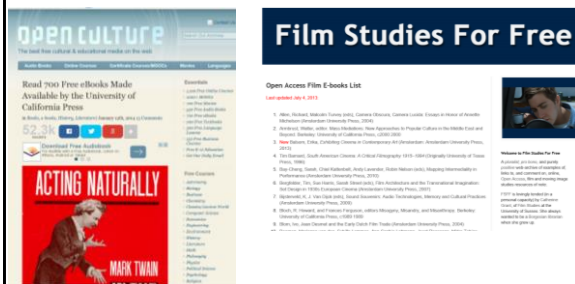(Language Lesson Conversations
(e.g., The Mixxer, Babbel)
http://www.language-exchanges.org/**

Blended Solution #23.
**Reading from Open Access Journals
(e.g., PLOS)**
http://www.plos.org/; http://www.plosbiology.org/; http://www.plosgenetics.org/

Blended Solution #24.
Free E-books and Course Resources
http://filmstudiesforfree.blogspot.com/p/open-access-film-e-books-list.html
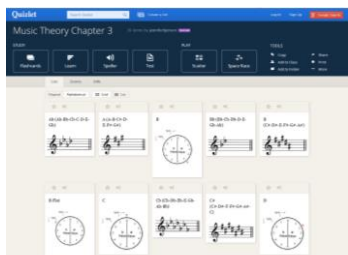http://www.openculture.com/2014/01/read-700-free-ebooks-made-available-by-the-university-of-california-press.html

Blended Solution #25.
**Podcast Show Reflections
OperaNow!:** http://www.operanowpodcast.com/
LA Behind the Circle Podcast
http://www.laopera.org/news/Podcast-List/
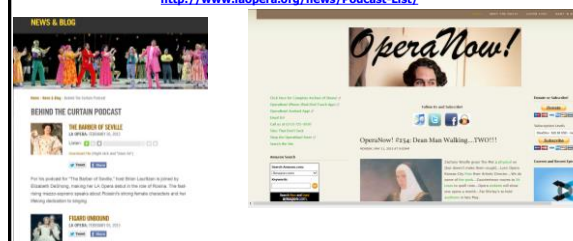
Blended Solution #26.
**Online Practice Tests
http://quizlet.com/**

Blended Solution #27.
**Online Database Activities
(e.g., WolframAlpha)**
http://www.wolframalpha.com/

9

Blended Solution #28.
Student Collaborative Knowledge Building and Sharing
(e.g., Popplet: http://popplet.com/
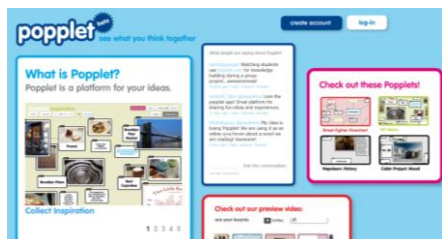
Blended Solution #29.
Interactive Archive/Gallery of Student Exemplary Work
(University of Notre Dame, Freshman Writing September 24, 2014; https://freshwriting.nd.edu/)

Blended Solution #30.

Flipping the Classroom

I Flip, You Flip, We All Flip: Setting Up a Flipped Classroom
Penn State: https://sites.google.com/site/flippingclass/
Ohio State: https://www.youtube.com/watch?v=6FA_hCmfsp8

May 18, 2014
Harvard goes all in for online courses
The stress is on production values, props, and, yes, scholarship
The Boston Globe, Marcella Bombardieri
https://www.bostonglobe.com/metro/2014/05/17/behind-harvard-explosion-online-classes-flurry-lights-camera-action/8ybPhkyfXS9D9a7icmHz5M/story.html

Laurel Thatcher Ulrich, a Harvard historian, was filmed in the HarvardX studio for her class, "Tangible Things."

Bonk's Last Principles of Teaching/Instruction

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

1. The Principle of Flexibility

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

2. The Principle of Convenience

3. The Principle of Collegiality

3. The Principle of Collegiality???

4. The Principle of Cheerfulness and Optimism

OPTIMISM
"Apparently there is nothing that cannot happen today."
- Mark Twain

5. The Principle of High Expectations

expectations

6. The Principle of Choice and Options

7. The Principle of Empowerment and Autonomy

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

8. The Principle of Support and Feedback

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

9. The Principle of Spontaneity

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

10. The Principle of Organization

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

11. The Principle of Sharing

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

12. The Principle of Nontraditional Learning

http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html
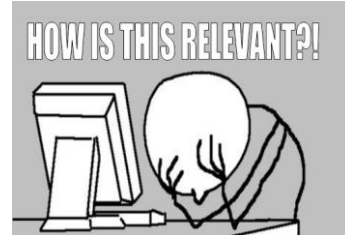
13. The Principle of Passion and Inspiration
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

14. The Principle of Relevance and Meaningfulness
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

Debriefing of Bonk's Last Principles of Instruction
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

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
5. 14 Last Principles of instruction

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http://tec-variety.com/

ADDING SOME TEC-VARIETY

在线学习动机与激励：

TEC-VARIETY 模型

——激励和留住在线学习者的 100 个活动

作者：Curtis J Bonk & Elaine Khoo   IU

Any Questions or Comments?

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Papers: PublicationShare.com
Free book: http://tec-variety.com/
Dr. Curt Bonk – CJBonk@Indiana.edu