

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

Curt Bonk, Professor, Indiana University  
 cjbork@indiana.edu  
<http://mypage.iu.edu/~cjbork>



## This talk will cover...

1. Recent data on online learning.
2. 1 Definition of blended learning
3. 10 Myths of blended learning
4. 7 Models of blended learning
5. 36 Examples of blended learning

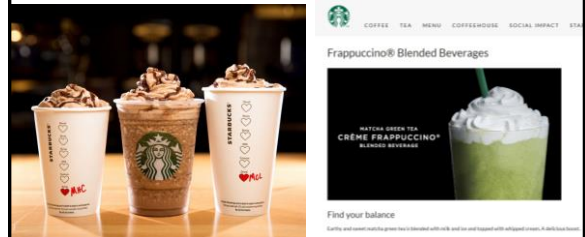


## The Creation of Effective Learning Environments

<http://study.com/academy/lesson/learning-environment-to-the-classroom-definition-impact-importance.html>



## Poll: Who gets blended drinks at Starbucks?



## Learning is More Online June 15, 2014

Starbucks offers workers 2 years of free college, CNN Money, Gregory Wallace  
 (from Arizona State online programs)

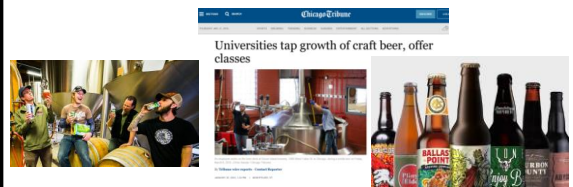
[http://money.cnn.com/2014/06/15/news/economy/starbucks-schultz-education/index.html?hpt=hp\\_12](http://money.cnn.com/2014/06/15/news/economy/starbucks-schultz-education/index.html?hpt=hp_12)  
<http://www.nytimes.com/2014/06/16/us/starbucks-to-provide-free-college-education-to-thousands-of-workers.html>



## January 20, 2016 Learning is More Blended

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

<http://www.chicagotribune.com/business/c2-college-craft-beer-sells-classes-20160120-story.html>



# January 20, 2016

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

<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>



# January 20, 2016

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

<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>

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

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

<http://www.chicagotribune.com/business/ct-college-craft-beer-offer-classes-20160120-story.html>

"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."

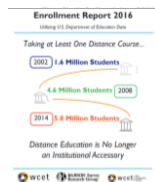


# 2016

## Enrollment Report 2016, WCET

Poulin, R. and Straut, T. (2016). WCET Distance Education Enrollment Report 2016.

Retrieved from WICHE Cooperative for Educational Technologies website <http://wcet.wiche.edu/sites/default/files/WCETDistanceEducationEnrollmentReport2016.pdf>



**One in Four**  
Students Are  
Taking at Least One  
Distance Course

# February 29, 2016

## Instructional Design: Demand grows for a new breed of academic, The Chronicle of Higher Education, Dan Berrett

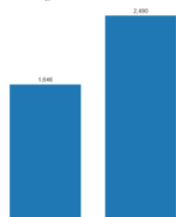
<http://chronicle.com/article/Instructional-Design/235425>

### Instructional Design

Demand grows for a new breed of academic



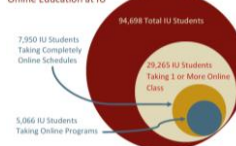
Members of the Association for Educational Communications and Technology



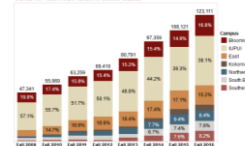
# November 1, 2017

## Indiana University, Office of Online Education

Fall 2017  
Online Education at IU



Trends for Total Hours Taken in Online Classes



\*Starting in fall 2017, ACP students are excluded from counts.

## February 19, 2018 Grade Increase: Tracking Distance Education in the United States

Joshua Kim, Inside Higher Ed

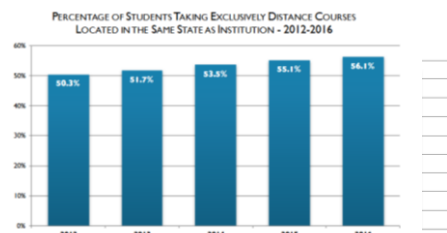
<http://onlinelearning.survey.com/reports/gradeincrease.pdf>  
[https://babelon.qualtrics.com/jfe/form/SV\\_dj0TTHJ2G0R0b](https://babelon.qualtrics.com/jfe/form/SV_dj0TTHJ2G0R0b)  
<http://www.onlinelearning.survey.com/highered.html>



## February 19, 2018 Grade Increase: Tracking Distance Education in the United States

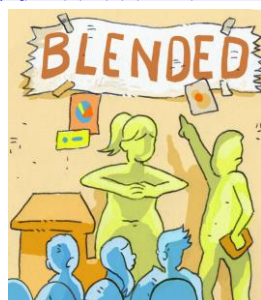
Joshua Kim, Inside Higher Ed

<http://onlinelearning.survey.com/reports/gradeincrease.pdf>  
[https://babelon.qualtrics.com/jfe/form/SV\\_dj0TTHJ2G0R0b](https://babelon.qualtrics.com/jfe/form/SV_dj0TTHJ2G0R0b)  
<http://www.onlinelearning.survey.com/highered.html>



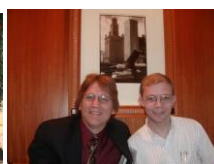
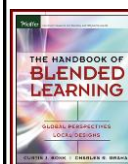
## October 15, 2015 An EdTech Buzzword Bingo Card NPR Ed, Anya Kamenetz

<http://www.npr.org/sections/ed/2015/10/15/436984129/an-edtech-buzzword-bingo-card>



## Learning is More Blended...

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?



Winter Weather Alerts  
Alerts issued by the National Weather Service, in association with Winter Storm Kayla.

## 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-kong-sars>

Mers case brings back memories of Hong Kong's Sars outbreak

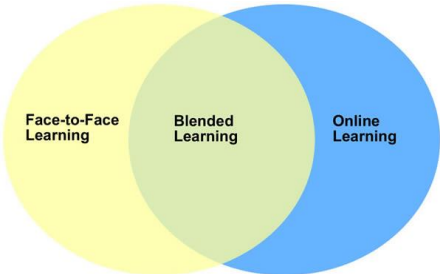


## April 17, 2017 Scenes from Pyongyang

[http://www.cnn.com/2016/05/04/asia/gallery/inside-north-korea/7id-ob\\_hompage\\_deskrecommended\\_pool](http://www.cnn.com/2016/05/04/asia/gallery/inside-north-korea/7id-ob_hompage_deskrecommended_pool)



## Answer: Blended Learning



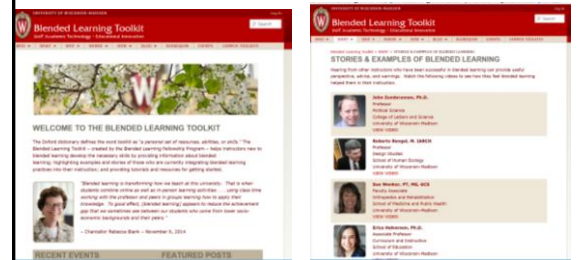
## January 31, 2016 Hybrid Courses University of Wisconsin Milwaukee

<http://www4.uwm.edu/kc/hybrid/>



## January 30, 2016 Welcome to the Blended Learning Toolkit, University of Wisconsin

<https://blendedtoolkit.wisc.edu/blended-learning-modules-offer-dvm-students-more-complete-education/>



## January 30, 2016 The Blended Learning Toolkit University of Wisconsin Madison

<https://blendedtoolkit.wisc.edu/blended-learning-modules-offer-dvm-students-more-complete-education/>



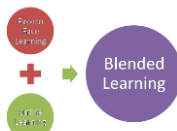
## Myth #1: If you read the enough research you will be able to know the impact of blended learning.

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

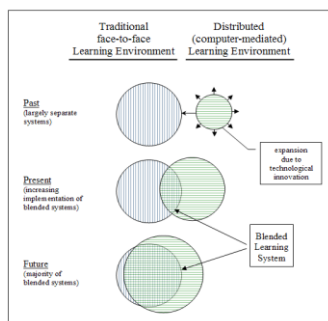
<http://www.projectred.org/uploads/The-Rise-of-K-12-Blended-Learning.pdf>

**"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



## Historical Emergence of Blended (Graham, 2006)



**Myth #4: People will know what I am saying when I say "blended learning."**

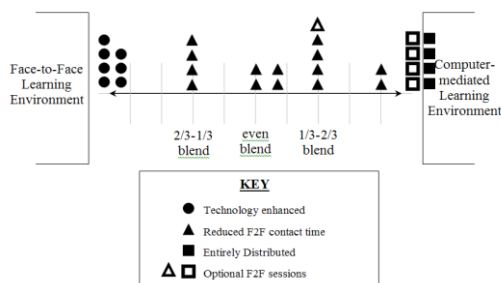
**Myth #5: Blended is the same as "hybrid."**

## 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. 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**



**January 30, 2016**

## Welcome to the Blended Learning Toolkit, University of Wisconsin

<https://blendedtoolkit.wisc.edu/blended-learning-modules-offer-dvm-students-more-complete-education/>



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

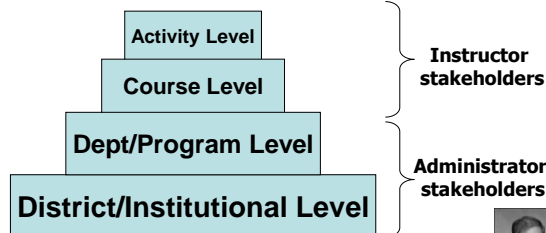
### Fully Online and Blended Learning Advantages

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:

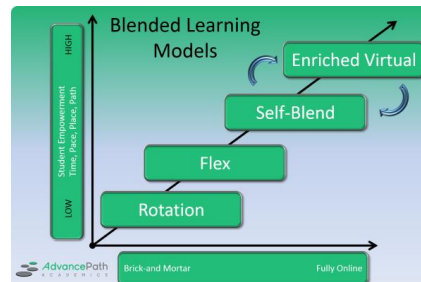


**Myth #10: There is a best model of blended.**  
**AMA Special Report, Effectively Implementing a Blended Learning Approach**  
 (Steven Shaw & Nicholas Ignieri, 2006)



Source: American Management Association, AMA at Work.

**Myth #10:**  
**There is a best model of blended.**



## 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)



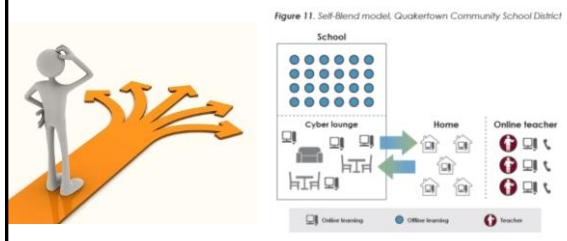
### Blended Model #3. Flex (curriculum primarily online with instructors available FTF)



### 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))



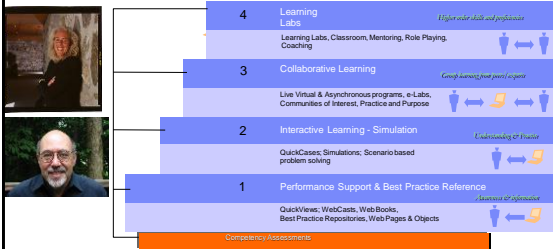
### Blended Model #6. Anchor

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

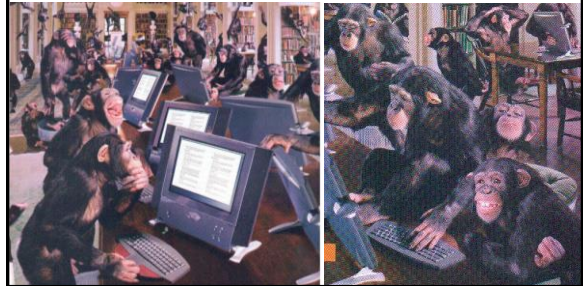


### Blended Learning Model #7: Gradual Human (F2F) Approach

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



### 40 Blended Learning Examples



### August 19, 2015 Blended Solution #1. Use the Media to Supplement Content (e.g., CNN Money)

<http://money.cnn.com/2015/08/19/retirement/retirement-savings-20s/index.html>

#### Millennials & Their Money



3 tips to getting retirement right in your 20s

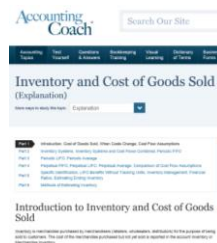
#### 3 tips to getting retirement right in your 20s



### January 28, 2015 Blended Solution #2.

Find Quality Supplemental Text Resources  
(e.g., Accounting Coach; includes tests, Q&A, visuals, forms, definitions, etc.)

<http://www.accountingcoach.com/inventory-and-cost-of-goods-sold/explanation>



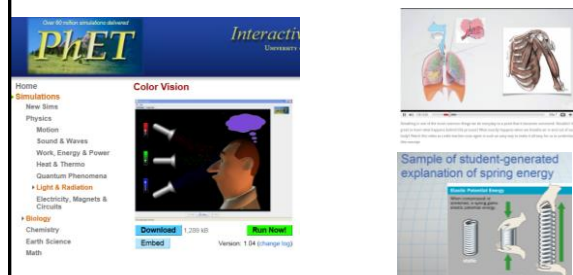


### Blended Solution #3. Workplace Internship, Practicum, and Field Experiences Online Reflections

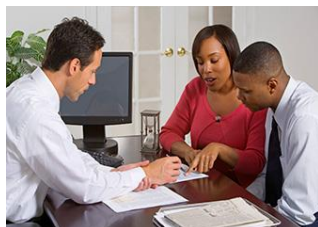


### Blended Solution #4. Interactive Labs and Simulations

<http://phet.colorado.edu/en/simulation/energy-skate-park>



### Blended Solution #5. Online Role Play or Debate (e.g., documentary production)



### Blended Solution #6. Reflect on Virtual Timelines (Dipity, xtimeline, Simile, etc.)

<http://www.usatoday.com/story/tech/news/2011-09-22/steve-jobs-dies/50672498.1>  
<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 #7. Online Database Activities (e.g., WolframAlpha)

<http://www.wolframalpha.com/>



A Quick Introduction  
to Wolfram/Alpha  
by Stephen Wolfram



### Blended Solution #8. 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>



## 10

## January 20 and 26, 2016 (Zoom) Blended Solution #15.

### Weekly Guest Expert Chats

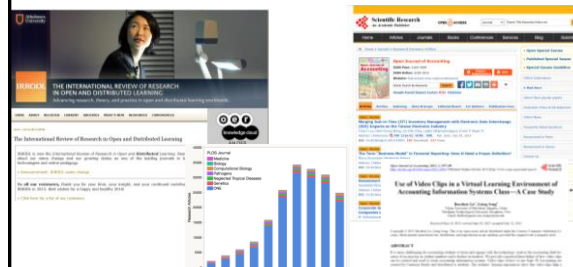
R511 Chat with Mike Molenda, IU  
R511 Chat with Charles Graham, BYU



## Blended Solution #16.

### Reading from Open Access Journals (e.g., PLOS, IRRODL, etc.)

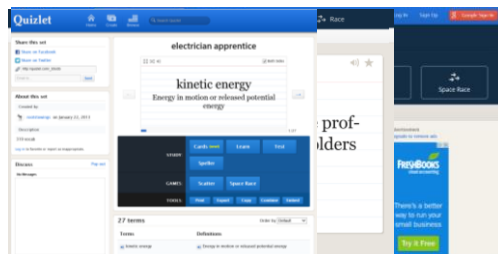
<http://www.plos.org/>; <http://www.plosbiology.org/>; <http://www.plosgenetics.org/>



## Blended Solution #17.

### Online Practice Tests and Interactive Flash Cards

<http://quizlet.com/>



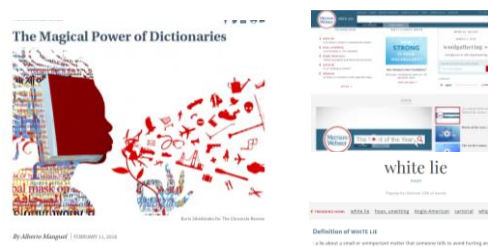
## Blended Solution #18.

### Online Referenceware

**February 11, 2018**

### The Magical Power of Dictionaries Alberto Manguel, The Chronicle of Higher Education

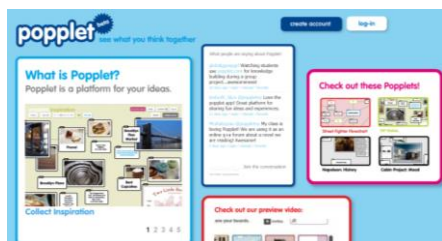
<https://www.chronicle.com/article/The-Magical-Power-of/242513>



## Blended Solution #19.

### Student Collaborative Knowledge Building and Sharing

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



## Blended Solution #20.

### Flipping the Classroom

**January 7, 2015**

### When a Flipped-Classroom Pioneer Hands Off His Video Lectures, This Is What Happens, Jeffrey R. Young, The Chronicle of Higher Education

<http://chronicle.com/article/When-a-Flipped-Classroom/131831/>



A student watches a video of Norman Nemrow's accounting class. Mr. Nemrow started the video lectures nearly 15 years ago at Brigham Young U. He is now retired, but students still watch him on the screen.

## Blended Solution #21. Analyzing Online Raw Data (e.g., Financials from Twitter)



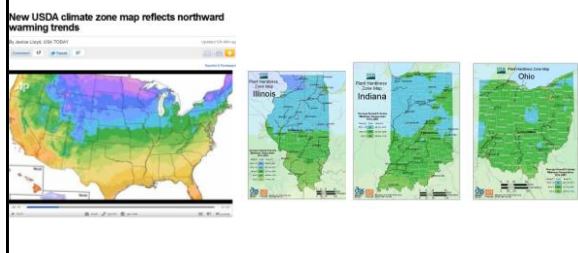
## Blended Solution #22. Review and Reflect on Existing Expert Content

<https://www.youtube.com/watch?v=Sb0jR-C57f0>

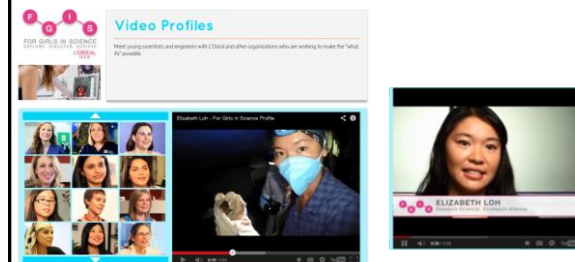


## Blended Solution #23. Online Longitudinal Maps (e.g., New USDA climate zone map reflects northward warming trends, By Janice Lloyd, USA TODAY, January 26, 2012)

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



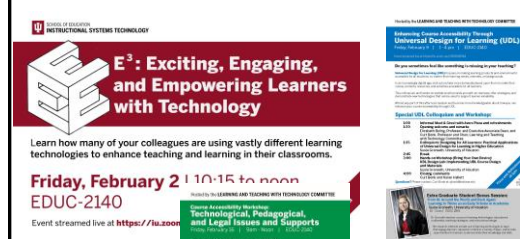
## Blended Solution #24. Video Profiles of successful female scientists, (e.g., For Girls in Science)



## Blended Solution #25. Sample Student Work e.g., Interactive Archive/Gallery of Student Exemplary Work (University of Notre Dame, Freshman Writing September 24, 2014; <https://freshwriting.nd.edu/>)



## Blended Solution #26. Streaming Live Events February 2, 2018 School of Education Faculty Technology Showcase Symposium Event Zoom link: <https://iu.zoom.us/j/263198784>





## Blended Solution #27.

### Online Communities

**Winter 2017-2018**

Remote But Not Removed: Professional Networks That Support Rural Educators

Danette Parsley, American Educator, 41(4), pp. 34-37 & 44.

<https://www.aft.org/aec/winter-2017-2018/parsley>  
<http://www.shankerinstitute.org/blog/building-professional-network-rural-educators-scratch>



## Blended Solution #28.

### Online News and Videos

**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-fossil-lemur-graveyard-madagascar/index.html>



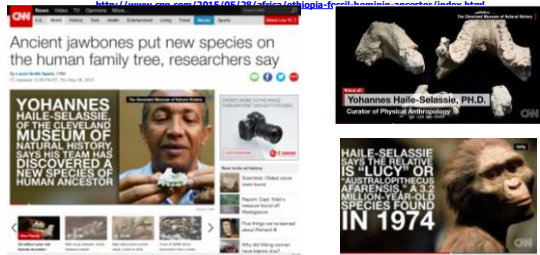
## Blended Solution #29.

### Immediate Science

**May 28, 2015**

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

<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>



**May 28, 2015**

New species from Ethiopia further expands Middle Pliocene hominid diversity, Nature

<http://www.cnn.com/2015/05/28/africa/ethiopia-fossil-hominin-ancestor/index.html>  
<http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html>



## Blended Solution #30.

### Online Website and Video Recaps

**December 12, 2017**

### R511 Student Final Projects

Matthew Willey: <https://sway.com/QGdiCv7p64DFBe8A?ref=Link>  
 Rachael Zeiher Kean: <https://razeiher.wixsite.com/edtechcoms>

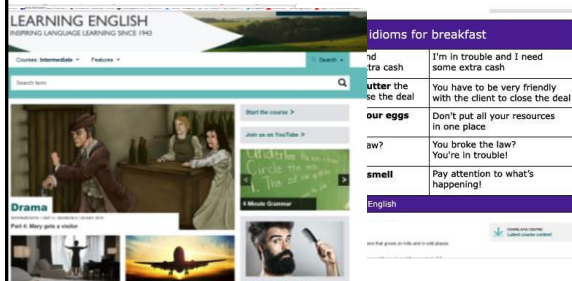


## Blended Solution #31.

### Language Lessons Online

BBC Learning English

<http://www.bbc.co.uk/learningenglish>



## Blended Solution #32.

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

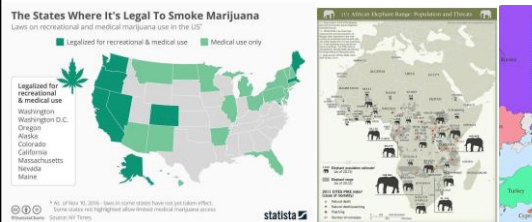


**January 8, 2017**

## Blended Solution #33.

**Summary and Comparison Maps**  
**#GeoawesomeMapOfTheDay**

<https://twitter.com/geoawesomeness>  
<https://www.instagram.com/p/BNwgvJfDAq3/>  
<https://twitter.com/hashtag/GeoawesomeMapOfTheDay?src=hash>



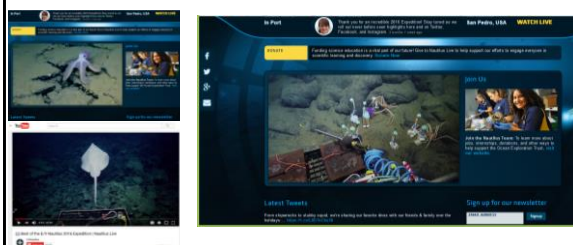
**September 16, 2016**

## Blended Solution #34.

### Live Science

**Best of the E/V Nautilus 2016 Expedition | Nautilus Live**  
(video: 32:28)

<http://www.nautiluslive.org/>  
<https://www.youtube.com/watch?v=Ht-412PKHmU>

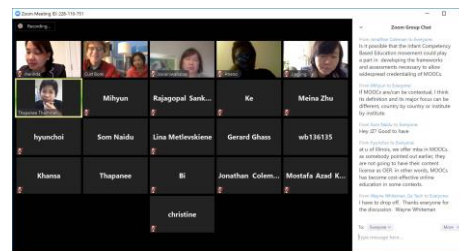


## Blended Solution #35.

### Blended Symposia and Meetings

**October 16, 2017**

**Zoom Weekly Guests, Maria Solomou, Sept. 20, 2017**  
Personal Zoom link: <https://iu.zoom.us/j/8123222878>

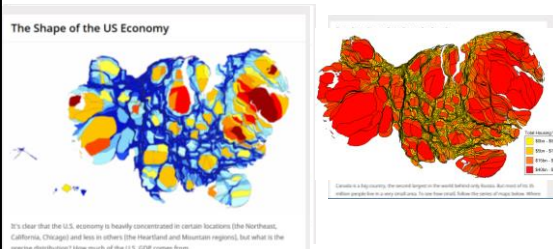


**November 19, 2016**

## Blended Solution #36.

**Cartograms, Maps, and Other Visualizations**  
**Metrocosm: Cartograms Archive**

**The Housing Value of Every County in the U.S.**  
<http://metrocosm.com/category/cartograms/>



**September 20, 2016**

## Blended Solution #37.

### Editing Wikipedia Pages

**College students take to Wikipedia to rewrite the wrongs of Internet science, Rosanna Xia, LA Times**  
<http://www.latimes.com/local/lanow/la-me-wikipedia-science-classes-adv-snap-story.html>



Samantha Erickson, left, of the Wiki Education Foundation; Tina Brock, a dean of the School of Pharmacy at UC San Francisco; and professor Amin Azzam discuss implementing the integration of Wikipedia pages on medical topics with students' work. (David Butow / For The Times)

