

Our Learning World is Changing: Big, Blended, and Beyond

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Academos Plato Circa 428–347 BCE



Fall 2014, On Wisconsin
MOOC, Meet MORC (Massive Open Radio Course)
 WHA, UW Madison, College of the Air, 1933,
 Vocational Training dedicated to Agriculture,
 and later Home Economics and Typing



MOOC, Meet MORC

May 10, 2013
10 ed-tech tools of the 70s, 80s, and 90s
 eSchool News, Meris Stansbury

<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



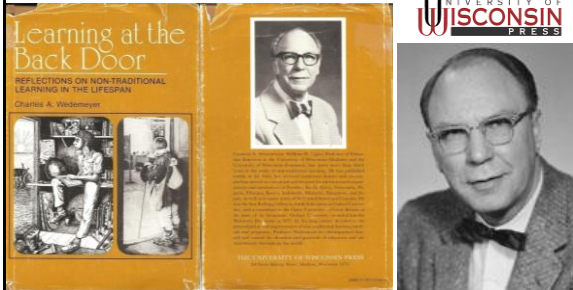
**Poll: Who had one of
these?**



**Life as an accountant/CPA in a
high tech company in the 1980s...**



Took Correspondence & TV Courses (thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)



Fast Forward 30+ Years...

"Anyone can now learn anything from anyone at any time."

SKILLSHARE LEARN TEACH

Learn anything from anyone, anywhere.



Join and start learning and discover unique classes in your city

Poll: Any Visions of Education 3.0? Knowledge Navigator (1987)

Apple Computer

<http://www.youtube.com/watch?v=hb4AzF6wEoc>



Thirty Ways Learning is Changing...

(i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)



I. Learning is More Mobile (e.g., mobile courses on smartphone) April 2, 2015

Review: Samsung rises to challenge with Galaxy S6 and S6 Edge



May 14, 2015

Smartphone separation anxiety: How bad is your nomophobia?

Today Health, Meghan Holohan

<http://www.today.com/health/smartphone-separation-anxiety-how-bad-your-nomophobia-120786>

Smartphone separation anxiety: How bad is your nomophobia?

Smartphone separation anxiety: How bad is your nomophobia?

It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- pre-mobile phone phobia and researchers have found a way to evaluate how severe a person's nomophobia really is.

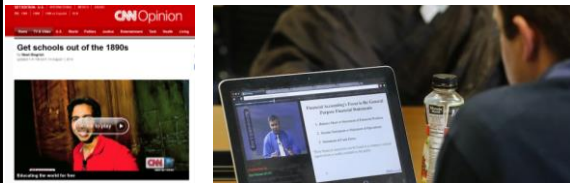
It's weird being without a smartphone. It feels as if something is missing. That anxious feeling has a name -- nomophobia -- pre-mobile phone phobia and researchers have found a way to evaluate how severe a person's nomophobia really is.



II. Learning is More Flipped 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/131031/>

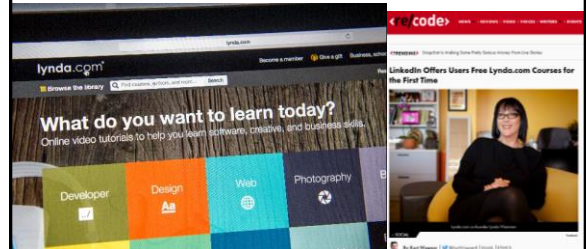


A student watches a video of Norman Nemrow's accounting class. Mr. Nemrow started the video lectures nearly 15 years ago at Brigham Young U. He is now retired, but students still watch him on the screen.

III. Learning is More Video-Based June 16, 2015

Lynda.com Excel Training, IU
Acquired for \$1.5 Billion, April 23, 2015

<http://www.lynda.com/Excel-tutorials/Excel-2010-Essential-Training/61219-2.html>



August 5, 2015 Shubham Jaglan Overwhelmed by "Dream" Return Home After Double World Championship Disha Chopra, NDTV Sports

<http://sports.ndtv.com/golf/news/246551-shubham-jaglan-overwhelmed-by-dream-return-home-after-double-world-championship>

<http://www.ndtv.com/video/player/news/india-a-golf-prodigy-shubham-jaglan-returns-home-to-hero-a-welcome/377614>



IV. Learning is More Visual September 22, 2014

110 Foot Engagement,
Elliott Masie's Learning 2014

<http://www.learning2014.com/index.php/item/110-foot-screen-engagement.html>



V. Learning is More Touch Sensed October 16, 2013

Corporate Classrooms: Adapting to Change
Chief Learning Officer, Frank Kalman

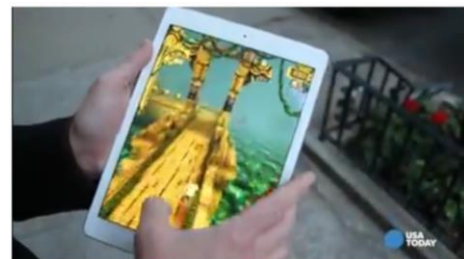
<http://www.clomedia.com/articles/corporate-classrooms-adapting-to-change>



VI. Learning is More Game-Based October 21, 2014

Sexy iPad Air 2 is fabulous but not a must
upgrade, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnists/baig/2014/10/21/ipad-air-2-fabulous-but-not-must-upgrade/1768295/>



VII. Learning is More Immersive

April 2, 2015

The Quest to Put More Reality in Virtual Reality,
Review: Samsung rises to challenge with Galaxy S6
and S6 Edge, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2015/03/31/samsung-1600-to-challenge-with-galaxy-s6-s6edge/70727752/>



Review: Samsung rises to challenge with Galaxy S6 and S6 Edge



NextVR crewmembers set up their virtual reality cameras at an NBA game, allowing viewers of the live event to see the game from a variety of positions in the arena.

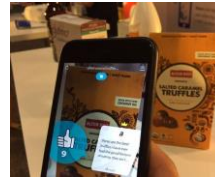
July 23, 2015

Meet Osterhout and its \$2,700 AR glasses

June 10, 2015

Augmented reality promises 'superpowers',
and people are listening
The USA Today, Marco della Cava

<http://www.usatoday.com/story/tech/2015/07/23/meet-osterhout-and-its-2700-ar-glasses/35027861/>
<http://www.usatoday.com/story/tech/2015/06/10/tech-expose-augmented-reality-superpowers/28754483/>



Letsee is an AR app from a South Korean company that allows consumers to scan a product and see a virtual review instantly overlaid on top.

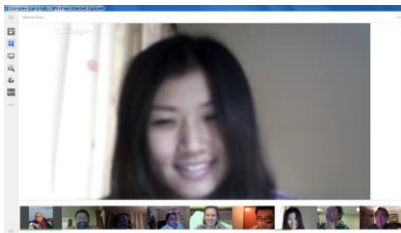


VIII. Learning also is More Collaborative

March 26, 2014

Flat Connections: Welcome to Flat Connections - Learning
about the world, with the world
<http://www.flatconnections.com/>

Global Collaboration Projects that Go Way Beyond Skype



September 1, 2015

IX. Learning is More Social

Facebook says 1 billion people used
Facebook on Monday, USA Today

<http://www.usatoday.com/tech/>



Facebook says 1 billion people used Facebook on Monday

Today's "BWest Byte" is 1 billion, for the amount of people who used Facebook on Monday. Bloomberg's Emily Chang reports on "Bloomberg West."

4 of 19 See more video

X. Learning is More Adventurous

May 7, 2015

Aaron Doering, Chasing Seals, TEDx

<http://chasingseals.com/>

<https://twitter.com/chasingseals>

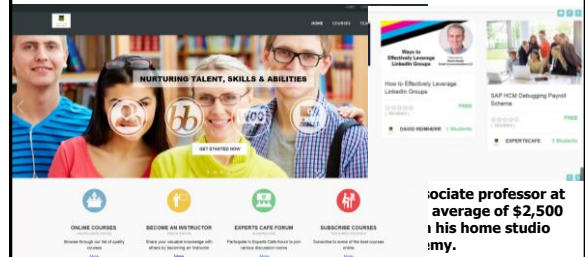


XI. Learning is More Direct from Experts

February 2, 2015

Here Comes Professor Everybody: The 'sharing economy' meets higher education,
Chronicle of Higher Education, Jeffrey R. Young

<http://chronicle.com/article/Here-Comes-Professor-Everybody/1514497154-at>



Associate professor at average of \$2,500 in his home studio my.

February 15, 2015
XII. Learning is More Synchronous
 (International Open Badges Extravaganza
 European Meeting in Zoom, November 2015)



XIII. Learning is More Digital
October 23, 2014

New Amazon Kindle is a Voyage into eReader luxury, USA Today, Edward C. Baig

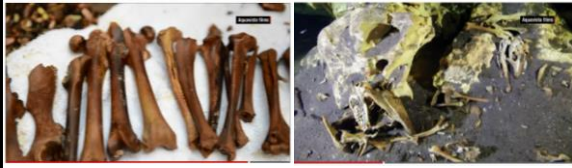
<http://www.usatoday.com/story/tech/tablets/2014/10/23/amazon-kindle-voyage-e-reader-luxury/7781252/>



XIV. Learning is More Immediate and Resource Rich
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>



May 28, 2015 (Immediate, Digital, and Resource Rich)

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 hominin 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>



XV. Learning is More Informal
June 29, 2015

Is Facebook the next frontier for online learning?

Christine Greenhow; greenhow@msu.edu, Andy Henion

<http://msutoday.msu.edu/news/2015/is-facebook-the-next-frontier-for-online-learning/>



XVI. Learning is More Competency-Based July 31, 2014

Hire Education: Mastery, Modularization, and the Workforce Revolution, Michelle R. Weise and Clayton M. Christensen, The Christensen Institute
<http://www.christenseninstitute.org/publications/hire/>



College, on Your Own: Competency-based education can help motivated students. But critics say it's no panacea
Dan Berrett, The Chronicle of Higher Ed, July 14, 2014
<http://chronicle.com/article/College-On-Your-Own/147659/?cid=at>



XVII. Learning is More On Demand May 5, 2014

Mobile MOOCs: New platform challenges conventional MOOCs
eCampus News (<https://coursmos.com/>)
<http://www.atimesnews.com/blog/news/new-platform-challenges-conventional-mooc-at-times>



XVIII. Learning is More Hands-On February 2, 2015

Makey Makey and the Kano
<http://makeymakey.com/>
<https://vimeo.com/60307041>



XIX. Learning is More Personal iPotty Aims To Entertain Toddlers During Toilet Training, Mashable, Kate Freeman (January 10, 2013) <http://mashable.com/2013/01/10/ipotty/>



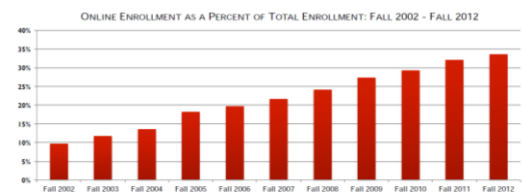
XX. Learning is More Communal April 30, 2014

New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int'l Partners, Coursera Learning Hubs
<https://www.coursera.org/about/programs/learningHubs>
<http://blog.coursera.org/post/84322385012/new-learning-hubs-locations-hosted-by-the-new-york>



February 5, 2015 XXI. Learning is More Online

2014 Survey of Online Learning
Grade Level: Tracking Online Education in the United States, 2014, Online Learning Consortium (formerly Sloan-C), by I. Elaine Allen and Jeff Seaman
<http://www.onlinelearningconsortium.org/reports/gradelevel.pdf>
<http://edition.cnn.com/videos/business/2015/03/11/wbt-yale-offers-online-degree-2u-ceo.cnn>



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://www.nytimes.com/2014/06/16/us/starbucks-to-provide-free-college-education-to-thousands-of-workers.html>

Why Free Online Classes Are Still the Future of Education



The future of learning may be online, but it's not necessarily free. Here's how to get the most out of your online education.

Getting a College Degree, With Help From Starbucks



"Imagine not working for one day and knowing that your whole degree would be paid for, and for only five years. It's a great feeling, and it's a great feeling." — Howard Schultz, Starbucks CEO

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>



Universities tap growth of craft beer, offer classes



Universities are tapping into the growth of craft beer by offering classes in brewing and distribution.

Increased competition has forced the big beer makers to move out of their comfort zone and into the craft beer market. This has led to a surge in craft beer sales and a corresponding increase in the number of craft beer drinkers.

Universities are tapping into this growth by offering classes in brewing and distribution. These classes are designed to provide students with the knowledge and skills needed to enter the craft beer industry.

The demand for craft beer is growing rapidly, and universities are responding by offering classes in brewing and distribution. These classes are designed to provide students with the knowledge and skills needed to enter the craft beer industry.

XII. Learning is More Modifiable

Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013
<http://www.universitybusiness.com/article/inside-look-learning-spaces>



XIII. Learning is More Comfortable

Design for Students, with Students, "Hub Central", the \$42 million University of Adelaide learning hub opened in October 2011, May 8, 2012, Mike Roberts
<http://designbuildsource.com.au/design-for-students-with-students>



XIV. Learning is More Ubiquitous September 23, 2014

Elliott Masie's (i-Beacon; Bluetooth low energy proximity sensing)
<http://www.learning2014.com/index.php/learning-trends-and-challenges-webinar.html>

On September 23, 2014 Elliott Masie hosted a webinar discussing Learning Trends and Challenges in 2014. Below is the video from this dialogue.



XV. Learning is More Instantaneous April 9, 2013

HER Computer fashions face social test: Can wearable computers fit in? Scott Martin, USA Today
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.fiercemobilehealthcare.com/story/people-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



XVI. Learning is More Free August 5, 2014

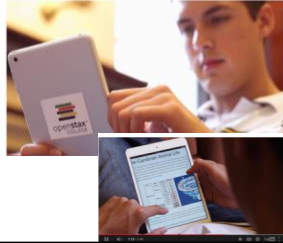
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

<http://thejournal.com/articles/2014/08/05/openstax-aims-to-bring-free-digital-textbooks-to-high-schools.aspx>

New mobile app helps a Cambridge press offer free digital monographs even to those without computers



Screen savours: books can now be read on almost any mobile phone



The V-PORTAL (Bonk, IU)

"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos)

<http://www.youtube.com/user/TravelinEdMan>



XXVII. Learning is More Self-Directed February 2013

TED Talks

(Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra

http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html



XXVIII. Learning is More Global May 26, 2015

Exploring by the Seat of Our Pants
National Geographic, Jessica Shea

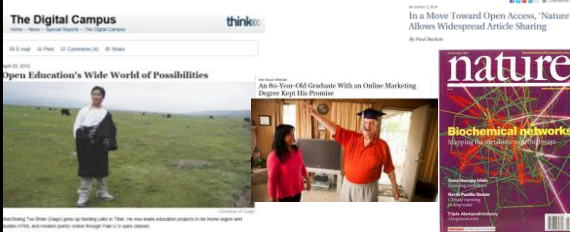
<http://blog.education.nationalgeographic.com/2015/05/26/exploring-by-the-seat-of-our-pants/>



Two men living in Dadaab, a refugee camp in Kenya, would watch lecture videos and take online quizzes at a nearby United Nations compound. (InZone)

XIX. Learning is More Open (December 2, 2014) Nature, Openwords, etc.

<http://www.openwords.com/>
<https://www.facebook.com/Openwords>



August 4, 2015 XXX. Learning is More Modular How Nanodegrees Are Disrupting Higher Education

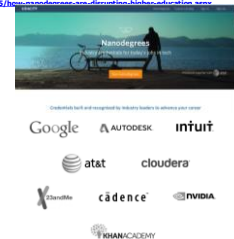
John Waters, Campus Technology

<http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx>

How Nanodegrees Are Disrupting Higher Education

How "flex" online certification programs are changing the educational pathways to careers in certain industries

By John K. Waters 08/05/15



XXXI. Learning is More Massive

**Sample Course: Open Knowledge:
Changing the Global Course of Learning**
September 2, 2014 to December 12, 2014, Stanford

[https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about#Softcover \(\\$30\)](https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about#Softcover%20($30)) http://www.palforpress.com/invasion_of_the_moocs
Free (PDF): http://www.palforpress.com/pdf/invasion_of_the_moocs.pdf



Global Health Initiatives October 7, 2014

**Online Mocc courses deliver Ebola health
advice, BBC News, Sean Coughlan**

<http://www.bbc.com/news/education-29521360>
<http://www.advancelearning.com/why-wait-for-others-to-fight-ebola>



WHY WAIT FOR OTHERS TO FIGHT
EBOLA?

Disinfecting a room in Monrovia, Liberia: Online courses are
providing health advice to fight Ebola.

Employee to Employee Training G2g (Googler to Googler) Training

Seven Ways to Corporate MOOC, Udemv blog,
December 23, 2013, Shannon Hughes

<https://www.udemv.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/>

Classes range from management and
public speaking, to parenting and
mountain climbing.



Let's Review: Learning is Changing...

(i.e., it's more informal, video-based,
ubiquitous, collaborative, self-directed,
global, mobile, open, massive, etc.)



Frank Basile, an aircraft technician, took
an MITx course on circuits and
electronics to increase his knowledge.



Joe Alfonso, a financial adviser
from Oregon, is taking the online
finance course as a "refresher."

Things are heating up!

<http://routledge-ny.com/books/details/9781138807419/>



MOOCs and Open
Education Around
the World

By Bonk, Lee, Reeves, & Reynolds

MOOCs and Open Education Around the World

<http://routledge-ny.com/books/details/9781138807419/>

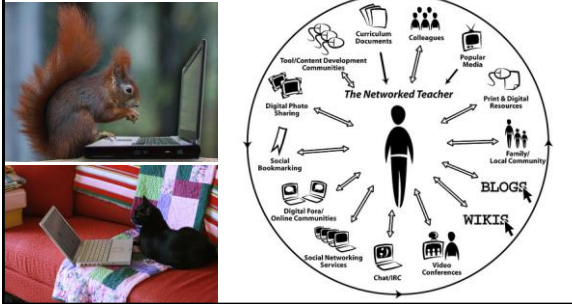


MOOCs and
Open Education
AROUND THE WORLD



EDITED BY
CURTIS J. BONK, HONG M. LEE,
THOMAS C. REEVES
& THOMAS H. REYNOLDS

The Web of Learning



We are entering a jumping off point...

(South University of Science and Technology of China, Wednesday June 10, 2015)



BLENDED LEARNING

A Disruptive Innovation

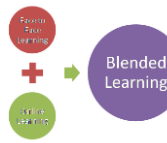
Poll #1:

Who Needs Blended and Online Learning?

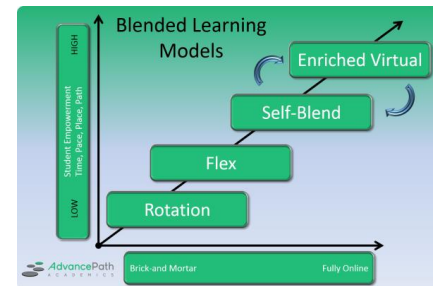


Blending Online and F2F Instruction

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



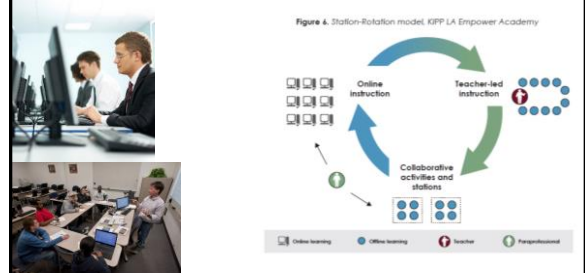
Issue: There is no one best model of blended.



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



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



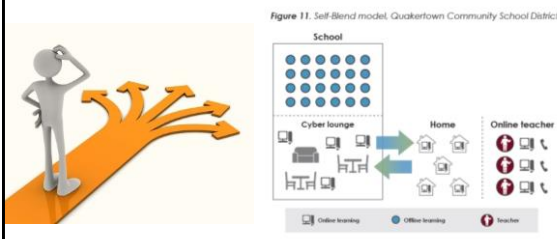
**Blended Model #3. Flex
(curriculum primarily online with
instructors available FTF)**



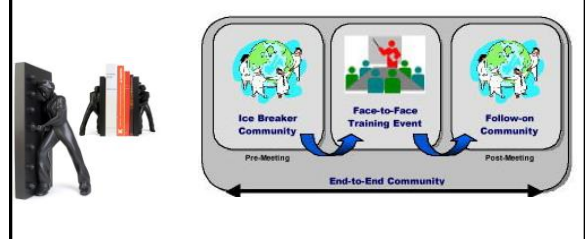
**Blended Model #3. Online Lab
(lab or field experience component
of course is online)**



**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))**



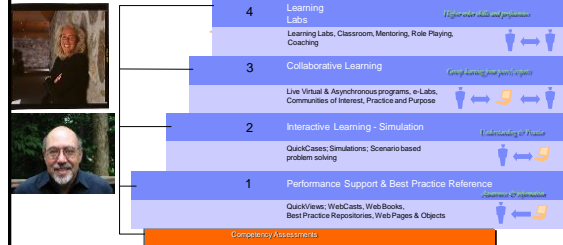
Blended Model #6. Anchor

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

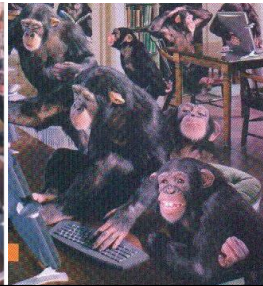
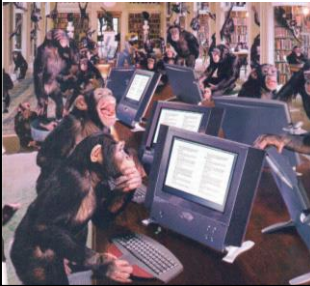


Blended Learning Model #7: Gradual Human (F2F) Approach

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



A Few 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

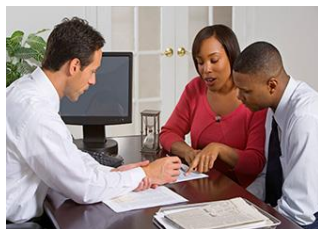


3 tips to getting retirement right in your 20s

3 tips to getting retirement right in your 20s



Blended Solution #2. Online Role Play or Debate (e.g., documentary production)



Blended Solution #3.

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>



January 20 and 26, 2016 (Zoom)
Blended Solution #4.
Weekly Guest Expert Chats
 R511 Chat with Mike Molenda, IU
 R511 Chat Charles Graham, BYU



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

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



New Role of the Instructor or Trainer



From Instructor as Credit Manager...to...



1. Instructor as Counselor



2. Instructor as Conductor



3. Instructor as Curator



4. Instructor as Concierge



How do
we engage
online?



Motivation Research Highlights (Jere Brophy, Michigan State University)

1. **Supportive**, appropriate **challenge**, **meaningful**, moderation/optimal.
2. Teach **goal** setting and self-reinforcement.
3. Offer **rewards** for good/improved performance.
4. Novelty, **variety**, **choice**, adaptable to interests.
5. Game-like, **fun**, fantasy, curiosity, suspense, active.
6. Higher levels, divergence, dissonance, **peer interaction**.
7. Allow to create finished **products**.
8. Provide immediate **feedback**, advance organizers.
9. Show intensity, **enthusiasm**, interest, minimize anxiety.
10. Make content **personal**, concrete, familiar.

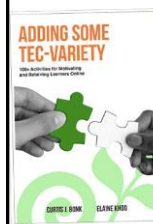


Framework: TEC-VARIETY for Online Motivation and Retention

1. **Tone/Climate**: Psych Safety, Comfort, Belonging
2. **Encouragement, Feedback**: Responsive, Supports
3. **Curiosity**: Fun, Fantasy, Control
- ...
4. **Variety**: Novelty, Intrigue, Unknowns
5. **Autonomy**: Choice: Flexibility, Opportunities
6. **Relevance**: Meaningful, Authentic, Interesting
7. **Interactive**: Collaborative, Team-Based, Community
8. **Engagement**: Effort, Involvement, Excitement
9. **Tension**: Challenge, Dissonance, Controversy
10. **Yields Products**: Goal Driven, Products, Success, Ownership

Introducing the free "TEC-VARIETY" Framework...

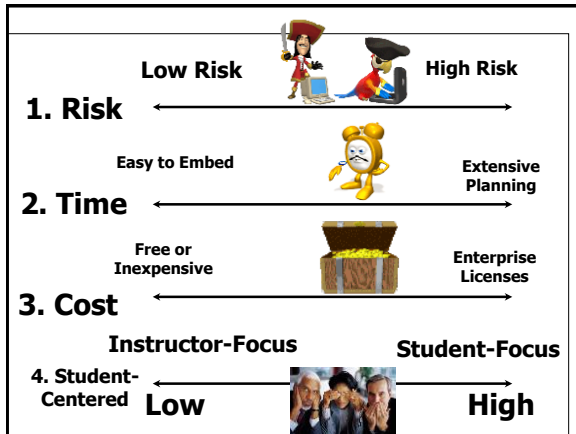
<http://tec-variety.com/>
<http://tec-variety.com/TEC-VARIETY-Chinese.pdf>



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



Examples of TEC-VARIETY



1. Tone/Climate:

A. Instructor Course Introductions

(Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)

<https://www.youtube.com/watch?v=Wzbzc3Qjia>

Chuck Severance, U Michigan/Coursera) in Barcelona

<http://www.youtube.com/watch?v=JzNHvmSv8TI>

Chuck Severance, University of Michigan

<https://www.coursera.org/course/pythonlearn>



2. Encouragement, Feedback, etc.: A. Demonstrations and Tutorials

Emerging technology specialist, IU UITS, Nitocris Perez,

May 29, 2014

<http://inside.iub.edu/features/videos/2014-05-29-inub-vid-cib.shtml>



May 25, 2015

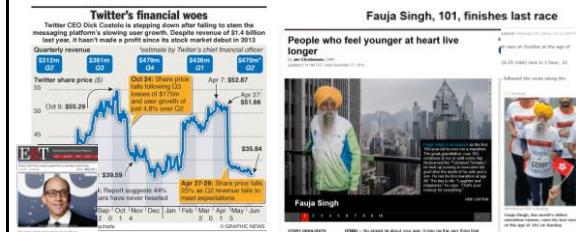
3. Curiosity, Fun:

A. Something in the News

(e.g., Chinese universities move up in world rankings, China Daily)

http://www.cnn.com/2014/12/12/health/universities-asia/index.html?top_chp_12

http://www.chinadaily.com.cn/china/2015-05/25/content_20805854.htm



4. Variety, Novelty, Fun, Fantasy:

A. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)

RANDOM.ORG

RANDOM.ORG

Coin Flipper

You rolled 2 coins of type 10th 41:



Timestamp: 2011-08-13 01:14 UTC

[Flip Again](#) [Go Back](#)

Dice Roller

You rolled 2 dice:



Timestamp: 2011-08-13 01:14 UTC

[Roll Again](#) [Go Back](#)

List Randomizer

There were 10 items in your list. Here they are in random order:

[Random Sequence Generator](#)

Here is your sequence:

1. Bill

2. Arthur

3. Thomas

4. Shelby

5. Shirley

6. Sharon

7. Susan

8. Stephanie

9. Ned

10. Brian

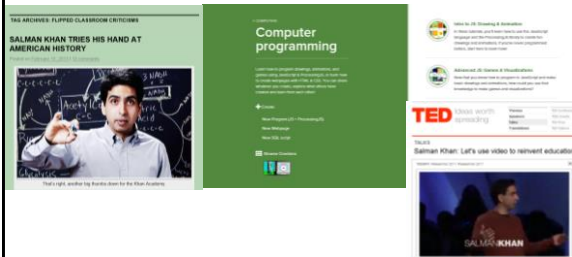
Timestamp: 2011-08-13 01:14 UTC

[Roll Again](#) [Go Back](#)

5. Autonomy, Choice:

A. Video Repositories and Portals (e.g., Khan Academy, Computer Programming)

<https://www.khanacademy.org/computing/computer-programming>



6. Relevance, Meaningfulness:

A. Guest Chats (e.g., Emily Hixon, January 20, 2015)

<https://connect.iu.edu/p259wpiabg9/>



7. Interactive, Collaborative:

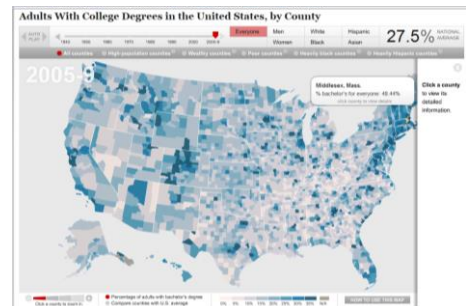
A. Collaboration and Discussion in Google Hangouts, Jabber, Skype, etc (January 29 and February 25, 2013)



8. Engagement, Effort:

A. Interactive Map Timelines (adults with college degrees by county, May 7, 2012)

<http://datacentermap.com/articles/4468-Mapbox-creates-join-katip-to-interactive-map-for-high-education>

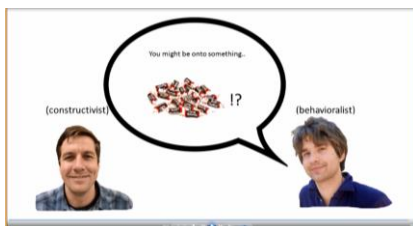


March 13, 2015

9. Tension, Challenge, etc.:

A. Controversial Issue Debates

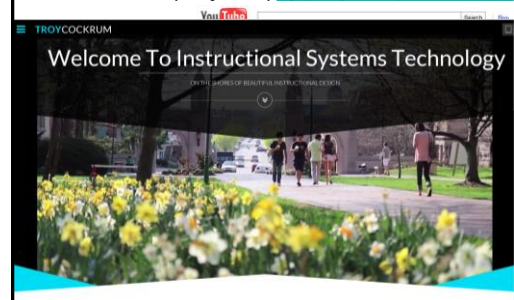
R511 Midterm Video How to Create an Authentic Environment in a Content-Driven School?, R511, Nick and Nik
https://www.youtube.com/watch?v=Bcr3_aZT_xQ&feature=youtu.be



10. Yields Products, Goals:

A. Student Created Videos

Piercarlo Abate: <https://www.youtube.com/watch?v=-TURdH0BaU>
Qi Li, Gangnam: <https://www.youtube.com/watch?v=7Q429pxZaU8&feature=youtu.be>
Miguel Lara (Web 2.0 FREEDOM): <https://www.youtube.com/watch?v=8cmCFW9Iw8>
Kendal Rasnake (Is IT Right For You?): <https://www.youtube.com/watch?v=MJ36UDIClGw>



Commitments:

Stop and Share:

Which principle(s) of TEC-VARIETY will you use?

Tone/Climate
Encouragement, Feedback
Curiosity

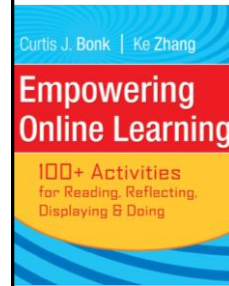


Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products

What motivates?

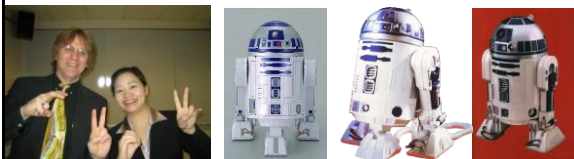
1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Responsiveness, Praise, Supports
3. Curiosity: Surprise, Intrigue, Unknowns
4. Variety: Novelty, Fun, Fantasy
5. Autonomy: Choice, Control, Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Interactivity: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Investment
9. Tension: Challenge, Dissonance, Controversy
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership

Framework #2: The R2D2 Model



The R2D2 Method

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)



1. Auditory or Verbal Learners

- Auditory and verbal learners prefer words, spoken or written explanations.



January 20, 2016

Read 1a. Podcasts

IU Bloomington podcast series to launch Jan. 24, Steve Hinnefeld, IU Newsroom

http://inside.iu.edu/headlines/2016-01-20-new-campus-podcast.html?utm_source=2016-01-20&utm_medium=newsletter&utm_content=Something-in-the-air&utm_campaign=2016-inside-sub-distribution



IU's Media School dean James Shanahan, at left, will host a new campus podcast. Senior Luqmann Ruth will read the news for the inaugural podcast.
 | PHOTO BY JENNIFER PIUREK, OFFICE OF THE PROVOST

2. Reflective and Observational Learners

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives



Reflect 2a. Case and Online Discussion (Kelley Direct, IU)

3. Visual Learners

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.



Display 3a. More Interpreting Infographics August 5, 2015

How much rainforest in that chocolate bar?
Global Forest Watch, Nancy Harris, Octavia Payne and Sarah Mann
<http://blog.globalforestwatch.org/2015/08/how-much-rainforest-is-in-that-chocolate-bar/>



4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.



December 8, 2015

Do 4a. Take a MOOC

P540 Final Assignment for Meina Zhu: MOOC, Coursera,
Introduction to Psychology, University of Toronto
<https://www.coursera.org/course/intropsych>
<https://www.futurelearn.com/courses/mental-health-and-well-being>

Poll: Which do you prefer... (A) TEC-VARIETY or (B) R2D2?



What motivates?

1. Time/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement, Feedback, Responses, Praise, Support
3. Curiosity: Surprise, Intrigue, Unknowns
4. Variety: Novelty, Fun, Fantasy
5. Autonomy: Choice, Control, Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Interactivity: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Investment
9. Tension: Challenge, Dissonance, Controversy
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership



Overcoming the Resistance Movement



1. Shared Success Stories and Best Practices



2. An Atmosphere of Sharing



3. Frameworks and Models



What motivates?

1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Responsiveness, Praise, Supports
3. Curiosity: Surprise, Intrigue, Unknowns
4. Variety: Novelty, Fun, Fantasy
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Bonk's Last Principles of Teaching/Instruction

<http://traveledman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



1. The Principle of Flexibility

<http://traveledman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



2. The Principle of Convenience

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



3. The Principle of Choice and Options

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



4. The Principle of Expanded Resources

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

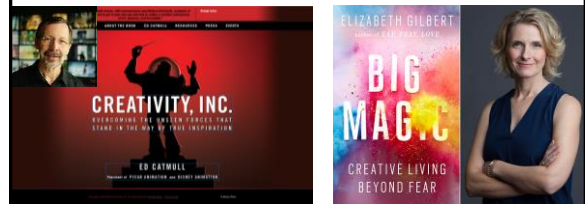


Creativity, Inc.

Ed Catmull, President of Pixar Animation and Disney Animation

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

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



Poll: How many ideas did you get from this talk?

1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.
7. More than 10.



Any Comments or Questions?



Slides at: TrainingShare.com

Papers: PublicationShare.com

Book: <http://tec-variety.com/>

Email: curt@worldisopen.com

