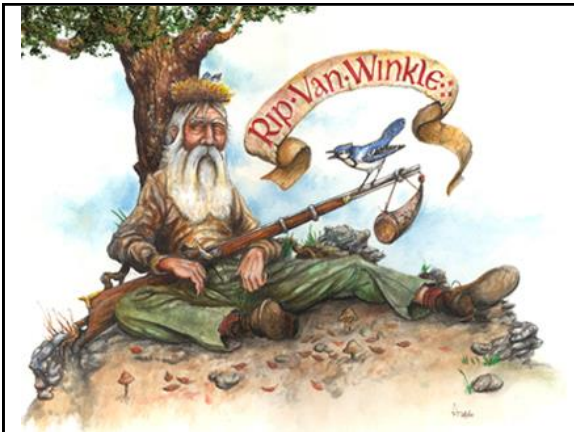


Living in Tech City: 50+ Technology Trends and Innovations Transforming Workplace Learning, Education, and Our Lives

Curtis J. Bonk,
Professor, Indiana University
 cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>

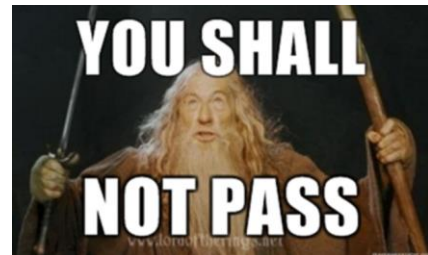


(Circa Confucius 551–479 BCE)



Poll #1:

Do you really remember those days of the lecture?



Audience Poll #2:

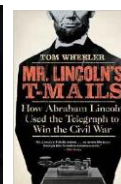
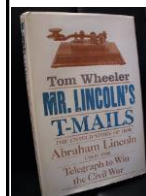
Has learning technology ever transformed your life?



1862-1864 The Telegraph

Mr. Lincoln's T-Mails: How Abraham Lincoln Used the Telegraph to Win the Civil War, Tom Wheeler (2008).

<http://www.amazon.com/Mr-Lincolns-T-Mails-Abraham-Telegraph/dp/0061129801>



January 25, 1915

How about the Transcontinental Telephone?

AT&T President Theodore Vail (with telephone) joined the opening ceremony for the first transcontinental telephone line from his home in Jekyll Island, Ga. (with Alexander Graham Bell in New York)

<http://www.jekyllislandhistory.com/transcontinental.shtml>
<https://hightechhistory.com/2011/01/23/10m-ws-the-master-switch-at-the-berkman-center-harvard-law-school/>



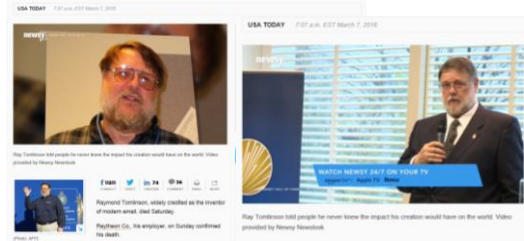
1971

How about email?

Raymond Tomlinson, inventor of modern email, dies, USA Today (March 7, 2016)

<http://www.usatoday.com/story/tech/2016/03/07/tomlinson-inventor-modern-email-dies/81413414/>

Raymond Tomlinson, inventor of modern email, dies



November 7, 2014 The Problem with Learning Technology

Karen Wilcox, Chronicle of Higher Education

<https://chronicle.com/article/Why-the-problem-with-learning-technology-is-not-technology-itself/234567>



October 21, 2014 Teaching and the University of Tomorrow.

Chronicle of Higher Education, Kelly J. Baker

<https://chronicle.com/news/788-teaching-and-the-university-of-tomorrow-education-media/234567>



Image: France in 2000 year (XXI century). Future school. From a postcard by Villemard, 1910.

Poll #3:

Read any good books lately?

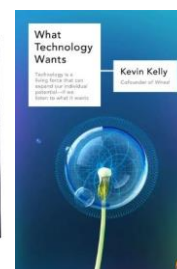
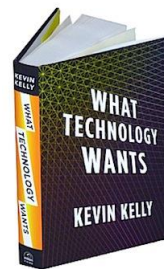


1. What Technology Wants

Viking

Kevin Kelly (co-founder of Wired) (2010)

<https://www.amazon.com/What-Technology-Wants-Kevin-Kelly-ebook/dp/B0043EY51W>



2. The Master Switch

The Rise and Fall of Information Systems
Knopf: New York
Tim Wu (2010)

<http://www.amazon.com/Master-Switch-Rise-Information-Empires/dp/0307390993>



3. The Innovators:

How a group of hackers, geniuses, and geeks
created the digital revolution. New York: Simon
& Schuster.

Walter Isaacson (2014)

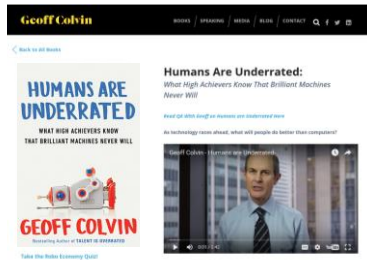
<http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781475708690>



4. Humans are Underrated:

What High Achievers Know that Brilliant
Machines Never Will Know. Portfolio/Penguin.
Geoff Colvin (2015)

<http://geoffcolvin.com/books/humans-are-underrated/>



5. Machines of Loving Grace:

The Quest for Common Ground Between
Humans and Robots. HarperCollins.
John Markoff (2015)

<http://www.amazon.com/Machines-Loving-Grace-Common-Between/dp/0062266683>

The image shows the book cover of 'Machines of Loving Grace' by John Markoff, featuring a hand reaching out. To the right is a photo of John Markoff holding the book.

Poll #4:

What if you read these books?

A meme featuring Yoda's head with the text 'YOU SHALL PASS!' overlaid. The source 'memegenerator.net' is visible at the bottom.

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

Two photos side-by-side. The left photo shows a man in a white shirt and tie holding a large calculator. The right photo shows a man in a white shirt and tie sitting at a desk with a computer, looking at a long receipt.

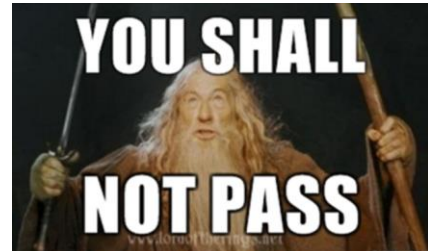
3

Poll #5:

**Remember what technology
you used to own?**

**Poll #6:**

**Do you really remember
Educational Technology 1.0???**

**Fast Forward 30+ Years...**

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

**We are entering a jumping
off point...**

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

**Thirty-Five 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



April 9, 2015

I'll Buy the Apple Watch

Ed Baig, USA Today



February 17, 2016

World's Cheapest Smartphone at \$3.67

https://m.facebook.com/hashtag/launched?refid=528...&_tn=%2A&_fbclid=IwAR153980012315798&id=102527030797
<http://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-rs-251-904882>



May 14, 2015

Smartphone separation anxiety: How bad is your nomophobia?

Today Health, Meghan Holohan



March 2, 2015

Beware the smartphone zombies blindly wandering around Hong Kong, Mark Sharp, South China Morning Post

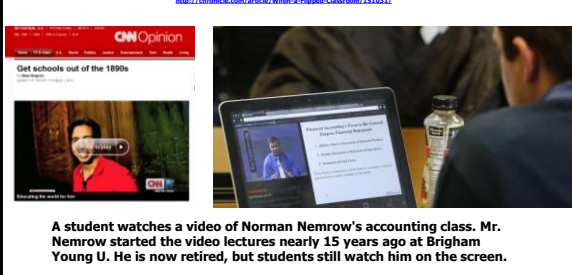
<http://www.scmp.com/lifestyle/technology/article/1723001/smartphone-zombies-are-putting-your-life-and-theirs-danger>



January 7, 2015

II. Learning is More Flipped

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



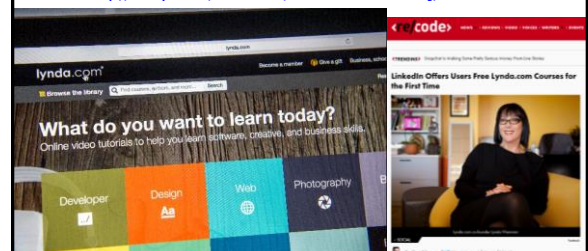
A student watches a video of Norman Nemrow's accounting class. Mr. Nemrow started the video lectures nearly 15 years ago at Brigham Young U. He is now retired, but students still watch him on the screen.

June 16, 2015

III. Learning is More Video-Based

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-s-golf-prodigy-shubham-jaglan-returns-home-to-here-s-welcome/377314>



April 5, 2016

Association for the Advancement of Computing in Education (AACE), YouTube Channel



September 22, 2014

IV. Learning is More Visual
110 Foot Engagement,
Elliott Masie's Learning 2014

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



October 16, 2013

V. Learning is More Touch Sensed

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

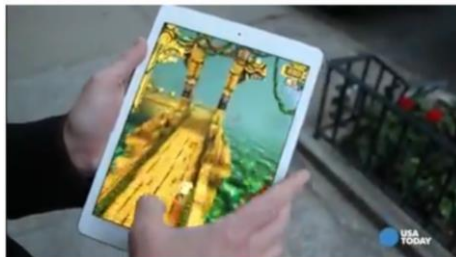
<http://www.clmedia.com/articles/corporate-classrooms-adapting-to-change>



October 21, 2014

VI. Learning is More Game-Based
Sexy iPad Air 2 is fabulous but not a must upgrade, Edward Baig, USA Today

<http://www.usatoday.com/story/tech/columnist/baig/2014/10/21/ipad-air-2-tablet-is-not-must-upgrade/12588285/>



April 2, 2015

VII. Learning is More Immersive

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-rises-to-challenge-with-galaxy-s6-s6edge/79727752/>



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.

March 2, 2016

10 AR/VR sets that take you to another world

USA Today, Marco della Cava

<http://www.usatoday.com/story/tech/news/2016/02/23/10-ar-vr-sets-that-take-you-to-another-world/81112842/>



Samsung Gear VR offers a virtual reality experience anchored to an Android smartphone.

February 23, 2016

A look at the Mobile World Congress in Barcelona, USA Today

People react as they use the new Samsung Gear 360, a 360-degree camera, at the Mobile World Congress wireless show in Barcelona on Feb. 22, 2016.

Visitors test the "Oculus VR" virtual device, at the stand of SK Telecom during the Mobile World Congress in Barcelona.

<http://www.usatoday.com/picture-gallery/tech/2016/02/22/a-look-at-the-mobile-world-congress-in-barcelona/80737870/>



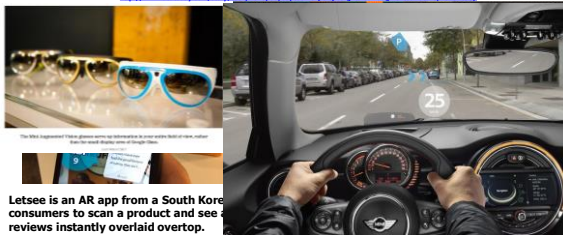
June 10, 2015

VIII. Learning is More Augmented

Augmented reality promises 'superpowers', and people are listening

The USA Today, Marco della Cava

<http://www.usatoday.com/story/tech/2015/06/09/10-ar-vr-sets-that-take-you-to-another-world/81112842/>



Letsee is an AR app from a South Korea consumers to scan a product and see reviews instantly overlaid overtop.

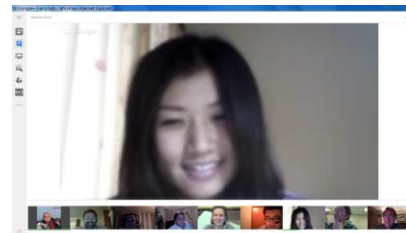
March 26, 2014

IX. Learning also is More Collaborative

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



October 7, 2013

6 collaborative writing applications for group projects or papers, Casey Brown, Elon University

MeetingWords, Google Docs, NowComment, MixedInk

http://www.mixedink.com/#/_how_it_works



September 1, 2015

X. Learning is More Social

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

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



XI. Learning is More Adventurous



May 7, 2015

XI. Learning is More Adventurous

Aaron Doering, Chasing Seals, TEDx
<http://chasingseals.com/>
<https://twitter.com/chasingseals>



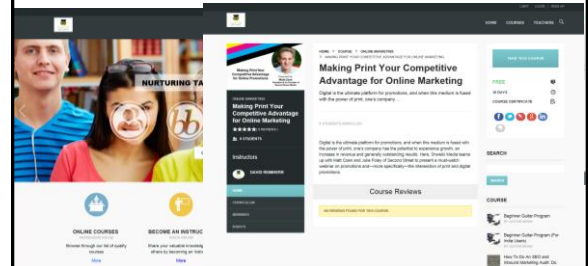
XII. Learning is More Direct from Experts



February 2, 2015

XII. Learning is More Direct from Experts

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/151445/?cid=at>



January-April, 2016 (Zoom)

XIII. Learning is More Synchronous

Weekly Guest Expert Chats

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



Guest Chats with Former Students

(in Adobe Connect)
 (e.g., Minyoung Doo, Spring 2015)
<https://connect.iu.edu/p259wpiabg9/>



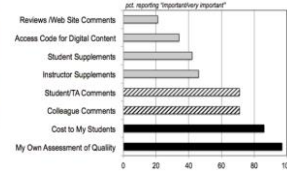
February 21, 2016

XIV. Learning is More Digital

No Rush to 'Go Digital', Carl Straumsheim, Inside Higher Ed



What Factors Influence Faculty Decisions About Course Materials?



March 22, 2015

XV. Learning is More Immediate and Resource Rich

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 14, 2016

Mastodon bones offer clues of earliest humans in North America, Faith Karimi, CNN

Abstract: <http://advances.sciencemag.org/content/2/5/e1600375>

Full Article: <http://advances.sciencemag.org/content/2/5/e1600375.full>

Supplemental materials (PDF): <http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1>

PDF: http://advances.sciencemag.org/content/advances/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf



May 13, 2016

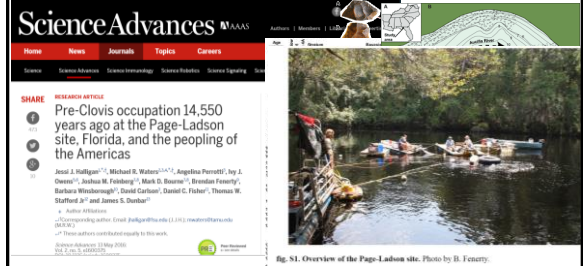
Pre-Clovis occupation 14,550 years ago at the Page-Ladson site, Florida, and the peopling of the Americas, Science Advances, Vol 2(5)

Abstract: <http://advances.sciencemag.org/content/2/5/e1600375>

Full Article: <http://advances.sciencemag.org/content/2/5/e1600375.full>

Supplemental materials (PDF): <http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1>

PDF: http://advances.sciencemag.org/content/advances/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf



November 19, 2015

New Species in the News...!

New daddy longlegs named after 'Lord of the Rings'



June 29, 2015

XVI. Learning is More Informal

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/>



May 10, 2016

XVII. Learning is More Competency-Based

Developing a Flexible Degree

Cathy Sandeen, Inside Higher Ed
<http://chronicle.com/article/College-On-Your-Own/147609/7cid=at>



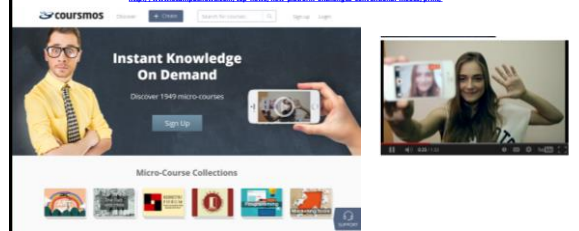
College, on Your Own: Competency-based education can help motivated students.
 Nichele Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.

**May 5, 2014**

XVIII. Learning is More On Demand

Mobile MOOCs: New platform challenges conventional MOOCs

eCampus News (<https://coursmos.com/>)
<http://www.ecampusnews.com/top-news/new-platform-challenges-conventional-moocs/print/>

**February 2, 2015**

XIX. Learning is More Hands-On

Makey Makey and the Kano

<http://makeymakey.com/>
<https://vimeo.com/60307041>

**January 15, 2016**

XX. Learning is More Participatory

Wikipedia at 15

Scott McLemee, Inside Higher Ed
https://www.insidehighered.com/news/2016/1/15/mclee-wikipedia-fifteenth-anniversary?utm_source=inside+higher+ed&utm_campaign=44b2483902-0002316011&utm_medium=email&utm_term=.010c004121-44b2483902-072624011

**March 2, 2016**

XXI. Learning is More Personal

Florida lawmakers push personalized learning

Leslie Postal, Orlando Sentinel (eSchool News)
<http://www.orlandosentinel.com/news/education/os-compentency-based-education-for-16-like-schultz-20160211-story.html>

Florida lawmakers push personalized learning
 Personalized learning: tailored instruction



A growing number of schools are backing an effort that helps align learning to an individual student's needs



Learning is More Personal

Localization and Translation of Open Content

Coursera, Global Translator Community, Chronicle of Higher Education
<https://www.coursera.org/about/translate>

Coursera Seeks to Create a 'Global Translator Community'

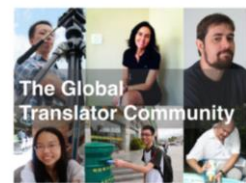
Bring a great education to the world.

Join the **Global Translator Community**.

[Sign Up](#)

The Global Translator Community (GTC) is a community of volunteers and partner organizations working to make great educational content accessible across geographic and linguistic boundaries. GTC participants work together to translate top courses on Coursera into their native languages.

[Join the GTC](#)
[Meet our translators](#)



April 30, 2014

XXII. Learning is More Communal

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/84322385912/new-learning-hubs-locations-hosted-by-the-new-york>



April 28, 2016

Communities Shindig, Video Chat Tool

Future Trends Forum (with Bryan Alexander)

<https://bryanalexander.org/>



June 15, 2014

XXIII. Learning is More Online 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>



November 18, 2015

Focused Ga. Mom Completes College Exam While in Labor, Fox 5, Atlanta

<http://www.fox5atlanta.com/news/50990044-story>



October 30, 2015

Migrants get help through German online university

Mihret Yohannes and Jabeen Bhatti, Special for USA TODAY, USA Today

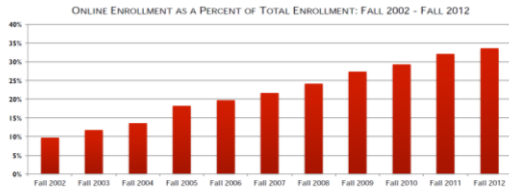
<http://www.usatoday.com/story/news/world/2015/10/29/migrants-get-help-through-german-online-university/74472260/>
 "Kiron (University) relies on existing 'mass open online courses,' or MOOCs, and works with eight academics from Harvard and MIT to create a two-year course of study. This will provide many refugees with credits that can transfer to 35 traditional, brick-and-mortar universities across Europe that are partners with Kiron."



February 5, 2015**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

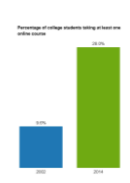
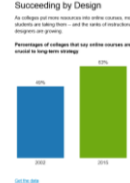
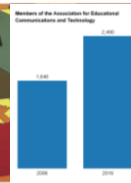
<http://www.onlinelearningconsortium.com/reports/gradelevel.pdf>
<http://edition.cnn.com/videos/business/2015/03/11/wbt-yale-offers-online-degree-2u-ccc.cnn>

**February 29, 2016****Instructional Design:****Demand grows for a new breed of academic**

Chronicle of Higher Education, Dann Berrett
<http://chronicle.com/article/Instructional-Design/235425>
<http://chronicle.com/article/This-Trend-Report-Is-Key-Shifts-in-Higher-Education>
<http://chronicle.com/article/Chronicle/This-Trend-Report-Is-Key/232>

Instructional Design

Demand grows for a new breed of academic



By Dann Berrett | 11 FEBRUARY 2016

January 20, 2016**XXIV. Learning is More Blended****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

**February 22, 2013****XV. Learning is More Modifiable****Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business**

<http://www.universitybusiness.com/article/inside-look-learning-spaces>

**May 8, 2012****XVI. Learning is More Comfortable**

Design for Students, with Students, "Hub Central", the \$42 million University of Adelaide learning hub opened in October 2011, Mike Roberts

<http://designbuildsource.com.au/design-for-students-with-students>

**April 13, 2016****XVII. Learning is More Ubiquitous****Facebook debuts terrestrial tech to deliver Internet, Jessica Guynn, USA Today**

<http://www.usatoday.com/story/tech/news/2016/04/13/facebook-terrestrial-connectivity-terragraph-project-article/8285886/>



Terragraph places s stops and the like at speed Internet to d



April 9, 2013**XVIII. Learning is More Instantaneous**

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.fox.com/biotechcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>

**August 5, 2014****XXIX. Learning is More Free**

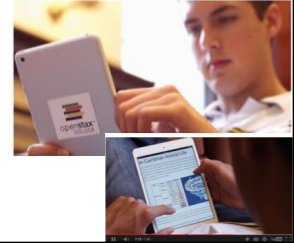
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal
<http://thejournal.com/articles/2014/08/05/openstax-aims-to-bring-free-digital-textbooks-to-high-schools.aspx>

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



Screen savers

Screen savers: 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>



Want something FREE?
 Introducing the "TEC-VARIETY" book...



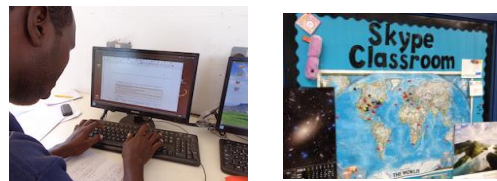
February 2013
XXX. Learning is More Self-Directed
TED Talks

(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



May 26, 2015
XXXI. Learning is More Global

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)

April 20, 2015**XXXII. Learning is More Open****250 MOOCs and Counting: One Man's Educational Journey, Chronicle of Higher Education**

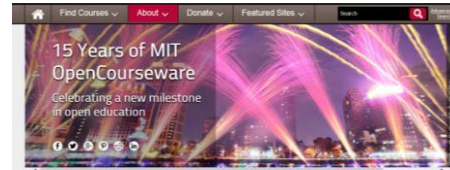
<http://chronicle.com/article/250-MOOCsCounting-One/229397/?cid=at>
 If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.



Jima Ngei: "I had this unrelenting fear that this miracle of free access might evaporate soon."

February 24, 2016**MIT OpenCourseWare**

<http://ocw.mit.edu/about/15-years/>

**About OpenCourseWare**

MIT OpenCourseWare is a free and open publication of material from thousands of MIT courses, covering the entire MIT curriculum and used by millions of learners and educators around the world.

[READ MORE](#)

January 13, 2016

As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam, Paul Basken, Chronicle of Higher Education
<http://chronicle.com/article/As-an-Open-Access-Megajournal/234880/?cid=at>

As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam

**Open Access Makes Steady Gains**

Year*	All published research articles	Articles published in fully open-access format	Percentage
2008	2,086,373	87,132	4.2%
2009	2,153,213	112,155	5.2%
2010	2,086,977	135,588	6.5%
2011	2,196,708	153,965	7.0%
2012	2,308,368	176,862	7.7%
2013	2,450,515	207,024	8.4%
2014	2,376,854	226,617	9.5%
2015	2,614,726	224,238	10%

Source: Thomson Reuters Web of Science database of scientific journal articles. [Get the data](#)

March 14, 2016**XXXIII. 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>

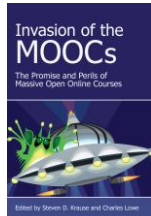
How Nanodegrees Are Disrupting Higher Education

New "micro" online certification programs are changing the educational pathways in various industries.

By John K. Waters | 06/02/15

**September 2, 2014****XXXIV. Learning is More Massive****UPenn**

Softcover (\$30): http://www.palgrave.com/invasion_of_the_moocs
 Free (PDF): http://www.palgrave.com/pdf/invasion_of_the_moocs.pdf

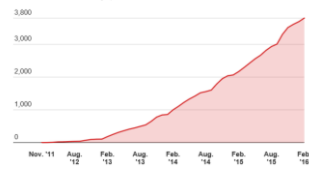


State of the MOOC 2016:
A Year of Massive Landscape Change
For Massive Open Online Courses,
Online Course Report

<http://www.onlinecoursereport.com/state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/>
<http://chronicle.com/news/onlinecourse-report-state-of-the-mooc-2016-a-year-of-massive-landscape-change-for-massive-open-online-courses/>

Growth of MOOCs

Since the first blockbuster MOOCs debuted, in 2011, the cumulative number of courses started or scheduled has reached nearly 4,000.



Source: Course Central [Get the data](#)



January 5, 2016 Use Of MOOCs And Online Education Is Exploding: Here's Why

Josh Bersin, Forbes

<http://www.forbes.com/sites/joshbersin/2016/01/05/use-of-moocs-and-online-education-is-exploding-heres-why/#290acdd47199>

Use Of MOOCs And Online Education Is Exploding: Here's Why

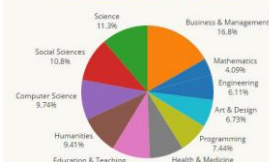


The folks at Class Central just released their data on the growth of online courses (MOOCs) in 2015 and the data is amazing.

More than 25 million people have enrolled in online courses in the last five years, and 2015 enrollment doubled from 2014. (That's equal to one out of five working professionals in the U.S.)

Today there are more than 1,200 MOOC courses available (many more if you include the corporate training programs from companies like IBM, BigThink, Pluralsight, Lynda, Coursera, and Udacity). These academic-oriented programs attract serious learners, and are considered the only serious learners.

Course Distribution by Subjects



Global Health Initiatives October 7, 2014

Online Moco 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>

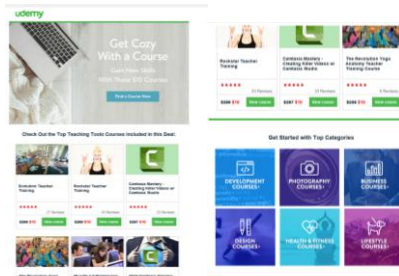


WHY WAIT FOR OTHERS TO FIGHT EBOLA?

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

January 20, 2016 Udemy: "Get cozy with a class"

udemy@email.udemy.com



October 7, 2015

MIT Master's Program to Use MOOCs as 'Admissions Test'

Jeffrey R. Young, Chronicle of Higher Education

<http://chronicle.com/article/MIT-Master-s-Program-to-Use-MOOCs-as-Admissions-Test/23365>

THE CHRONICLE OF HIGHER EDUCATION

MIT Master's Program to Use MOOCs as 'Admissions Test'

By Jeffrey R. Young | OCTOBER 7, 2015



May 26, 2015

EduTech and MOOC Times in China

Michael Trucano On Tue, 05/12/2015, EduTech
<https://blogs.worldbank.org/edutech/edutech-and-mooc-times-china>



June 26, 2015

In China, Where Everything is a MOOC, Education Week, Justin Reich, HarvardX Research Fellow

http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in_china_where_everything_is_a_mooc.html?i=284759497

The most memorable line from my recent visit to China was this: "We have 12 million K-12 teachers in China who need to receive this particular in-service training, so we started with a group of about 200,000."



May 11, 2016

XXXV. Learning is More Voice Activated

Google may have its own Echo coming soon (i.e., codename of "Chirp"), Elizabeth Weise, USA Today

<http://www.usatoday.com/story/tech/columnists/weise/2016/05/05/echo-what-think-they-have-amazons-alexa/8413324/>
<http://www.usatoday.com/story/tech/news/2016/05/10/smartphones-amazon-echo-iphone-android-southbe-family/8271958/>

Personal digital assistants are on the rise (and they want to talk)



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."

We are entering a jumping off point...

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



Things are heating up!

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



MOOCs and Open Education Around the Word

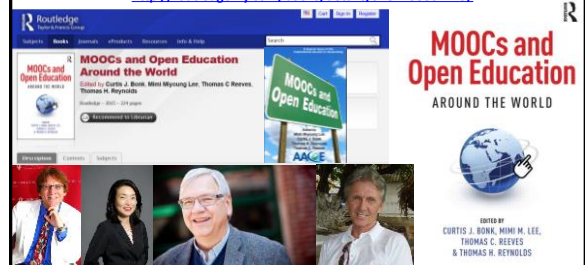
By Bonk, Lee, Reeves, & Reynolds

Things are heating up!



Bonk Raffle...Book Raffle: MOOCs and Open Education Around the World

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



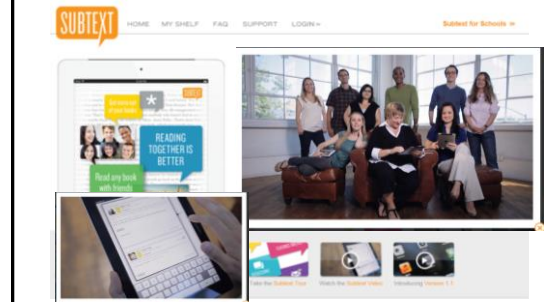
Tech #41. Social Media Tools

Design Article Database in Pinterest, Jenny Webeck
<https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/>

EDED 5372 Emerging Trends and Issues in Instructional Technology



Tech #42. Social Books (e.g., Subtext; <http://subtext.com/>)



Tech #43.

Goals Setting Tools

(e.g., I Done This, Milestone Planner, and 43 Things)



43 Things is the world's largest goal-setting community. People here want to:

Learn something new, find inspiration, share their progress, and cheer each other on.

February 21, 2016 Tech #44. Focusing Technology

(e.g., "Stop Procrastinating", SelfControl, FocusWriter, Freedom, Concentrate, etc.)

<http://www.stopprocrastinatingapp.com/>
<http://www.ecampusnews.com/top-news/apps-media-distractions-947/>

6 apps that block social media distractions

BY CARLY MORALES
 November 30, 2014



Anti-distraction apps aim to create a more focused and efficient course, classroom, or study session



A collection of apps, lauded by educators and students alike, are helping to solve one of education's biggest tech-related pet peeves: unnecessary distraction.

As mobile initiatives and social media implementation gain steam in college and university courses, the biggest complaint among educators is lack of student concentration—and students agree.

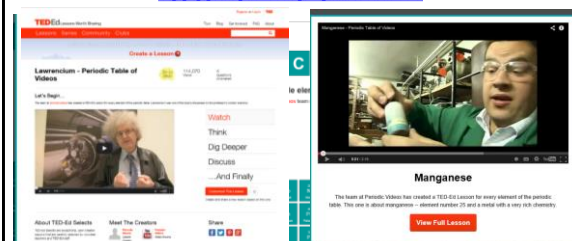


November 1, 2014

Tech #45. TEDEd

lesson about every single element on the periodic table

<http://ted.com/periodic-table-of-elements>
<https://www.youtube.com/watch?v=2D3G5k8d8d8>



Tech #46.

Video Editing and Commenting Tools (e.g., TubeChop)

How Does It Work?



1. Find the video you want to chop.
2. Select & cut interesting part of the video.
3. Share it with friends.

Watch Examples

Tech #47.**Mobile Health (bio sensors)**

7 new smartphone features that will help define your future
February 23, 2014, Stewart Wolpin, CNN

http://www.cnn.com/2014/02/23/business/future-smartphone-mobile-world-congress/index.html?hpt=hp_t3

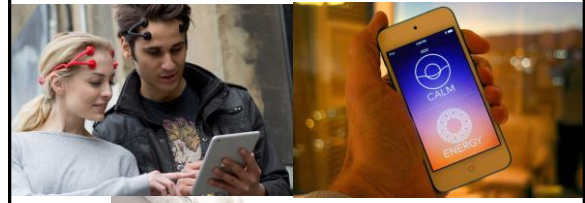


Tech that will change your life

July 15, 2015**Tech #48. Wearable Vibes**

A high-tech high: Wearable gives you good vibes, USA Today, John Shinal

<http://www.usatoday.com/story/tech/columnist/jshinal/2015/07/14/thync-bioptic-culture/20774820/>



Thync device (\$300) (Photo: Thync, for USA TODAY)

March 14, 2016**Tech #49. Artificial Intelligence and Robots**

Paul Basken, The Chronicle of Higher Education

<http://www.chronicle.com/article/Behind-a-Computer's-Surprise-Victory-Hints-of-Global-Economic-Upheaval/23887701>

Behind a Computer's Surprise Victory,
 Hints of Global Economic Upheaval

By Paul Basken | MARCH 14, 2016



Forget the robots — here come the geminoids!

**May 11, 2016****Tech #50. Not All Inventions Work**

Interactive Whiteboards Facing Steep Decline Globally
 Richard Chang, THE Journal (\$1.257 billion market is declining 17 percent per year from 2016 to 2016)

<http://thejournal.com/news/2016/05/11/interactive-whiteboards-facing-steep-decline-globally.aspx>

By Richard Chang

Interactive Whiteboards
 Facing Steep Decline
 Globally

By Richard Chang | 05/11/16

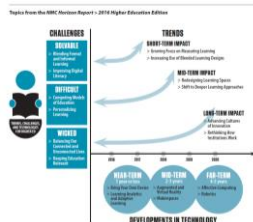
**February 2016****Welcome to Tech City!**

NMC Horizon Report > 2016 Higher Education Edition

<http://www.nmc.org/publication/nmc-horizon-report-2016-higher-education-edition/>

3

NMC Horizon Report: 2016 Higher Education Edition

**Activity #1:**

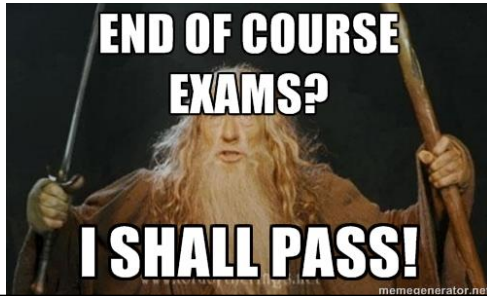
Share Three Words from this Session!



3 3 3



Poll #7:
What happens next...?



Comments and Questions

CJBonk@Indiana.edu

Slides at: TrainingShare.com

Papers: PublicationShare.com

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

