

Education 3.0: My, Our Learning World is Changing!

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Poll #1: Are you interested in Education 3.0?

A = Yes
B = No
C = Not sure



firstmonday
 PEER-REVIEWED JOURNAL ON THE INTERNET

The genesis and emergence of Education 3.0 in
 higher education and its potential for Africa

by Derek Keats and
 J. Philipp Schmidt

Education 3.0

<http://firstmonday.org/ojs/index.php/fm/article/view/1625/1540>

Table 1: Educational generations in higher education			
Characteristics	Education 1.0	Education 2.0	Education 3.0
Primary role of professor	Source of knowledge	Guide and source of knowledge	Orchestrator of collaborative knowledge creation
Content arrangements	Traditional copyright materials	Copyright and free/open educational resources for students within discipline, sometimes across institutions	Free/open educational resources created and reused by students across multiple institutions, disciplines, nations, supplemented by original materials created for them
Learning activities	Traditional, essays, assignments, tests, some groupwork within classroom	Traditional assignment approaches transferred to more open technologies; increasing collaboration in learning activities; still largely confined to institutional and classroom boundaries	Open, flexible learning activities that focus on creating room for student creativity, social networking outside traditional boundaries of discipline, institution, nation

October 25, 2014

**Opening the Curriculum: Open Educational Resources
 in U.S. Higher Education, 2014**
I. Elaine Allen and Jeff Seaman

<https://www.onlinelearningcenter.com/reports/openingthecurriculum2014.pdf>

Opening the Curriculum:

Open Educational Resources in U.S. Higher Education, 2014

I. Elaine Allen and Jeff Seaman



October 29, 2014

**King of Free Online Courses May Soon Add Videochats
 With Professors, Cade Metz, Wired**

<http://www.wired.com/2014/10/king-free-online-courses-may-soon-add-videochats-professors/>

Big Data Analytics App
 Analytics, Machine & Big Data in Only Two Weeks Free

King of Free Online Courses May Soon Add
 Videochats With Professors

By Cade Metz | October 29, 2014

Back in 2009, the former president of Duke University who now serves as CEO of Coursera, gave the Green House award to a professor who had created a rigorous online course that brought the benefits of the new technology to a traditional classroom setting.

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Poll#2: Read any good books lately?

A = Yes
B = No

EDUCATION 3.0



Web 2.0
 School 2.0

"The Age of
 Engagement"

• Connecting

• Creating

• Contributing

1. Creativity, Inc.

Ed Catmull, President of Pixar Animation and Disney Animation (2014)
<http://www.creativityincbook.com/>



2. Finding Your Element:

How to Discover Your Talents and Passions and Transform Your Life
 Sir Ken Robinson and Lou Aronica (2013)
<http://www.inventtolearn.com/>



3. Makers:

The New Industrial Revolution (DIY Culture)
 Chris Anderson (2012)
<http://www.inventtolearn.com/>



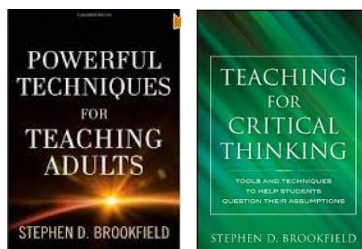
4. Creating Innovators:

The Making of Young People Who Will Change the World
 Tony Wagner (2012)
<http://creatinginnovators.com/>



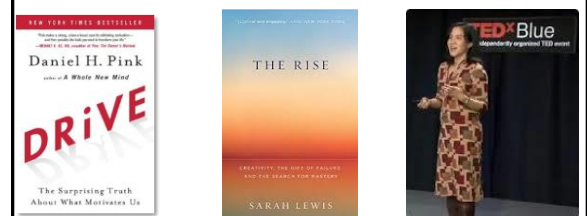
5. Powerful Techniques for Teaching Adults

Stephen Brookfield (2013)
 Teaching for Critical Thinking (2012)



6. The Rise: Creativity, The Gifts of Failure, and the Search for Mastery

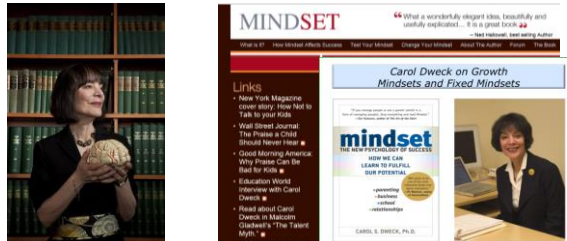
Sarah Lewis (2014)



7. Mindset:

The New Psychology of Success
Carol Dweck (2006)

<http://mindsetonline.com/index.html>
<http://mindsetonline.com/testyourmindset/step1.php>



What skills do we need in the 21st Century?

The Seven Cs – 21st Century Lifelong Skills

Seven Cs	Component Skills
Critical Thinking-and-Doing	Problem-solving, Research, Analysis, Project Management, etc.
Creativity	Problem-solving, Research, Analysis, Project Management, etc.
Collaboration	Cooperation, Compromise, Consensus, Community-building, etc.
Cross-cultural Understanding	Across Diverse Ethnic, Knowledge and Organizational Cultures
Communication	Crafting Messages and Using Media Effectively
Computing / ICT Literacy	Effective Use of Electronic Information and Knowledge Tools
Career & Learning Self-reliance	Managing Change, Lifelong Learning and Career Redefinition

Part I. Learning is Changing New Technologies = New Delivery Methods...



Audience Poll #3:

Has learning technology has ever transformed your life?



Looking to the Past...



1728: 1st correspondence course advertised Boston
(learn shorthand from Caleb Phillips thru weekly mailed lessons)

The First University Correspondence Course
(University of London, External Program, 1858)

1728-1990s – Generally postal system based

1930s – phonograph and radio

1950s and 1960s – television

1970s and 1980s – VHS tapes

1980s and 1990s – DVD



September 15, 2014

Open, Distance and Online Learning: A Brief History, Sir John Daniel

International Conference on Emerging Technologies in Education and Computer Science, Universidad Da Vinci, Cancun, Mexico

<http://vimeo.com/106002761> (password knou)
Notes and Slides: http://sirjohn.ca/wordpress/?page_id=29



Lord Geoffrey Crowther
Inauguration of the Open University
1969



Postal systems



Correspondence
course – 1841

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

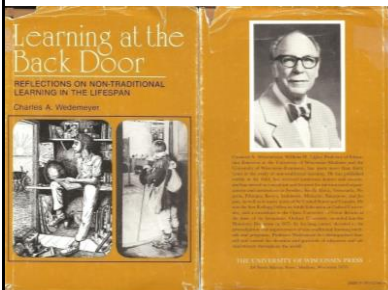
<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



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)



Knowledge Navigator (1987) Apple Computer


<http://www.youtube.com/watch?v=hB4AeF6wEoc>



Fast Forward 25+ Years...
"Anyone can now learn anything from anyone at any time."

SKILLSHARE LEARN TEACH

Learn anything from anyone, anywhere.



Join us! Start learning and discover unique classes in your city.

September 9, 2014
I. Learning is More Technology-Based

iPhone 6





II. Learning is More Mobile
August 5, 2014
Timex enters smartwatch category. No phone needed, Edward C. Baig, USA Today,
<http://www.usatoday.com/story/tech/2014/08/05/timex-smartwatch-category-no-phone-needed/1339733/>




Audience Poll #4:

I. Who remembers what they were doing on 911?
II. Who remembers what they were doing on April 4, 2001?

Charles Vest (April 4, 2001)
<http://web.mit.edu/newsoffice/2001/ocw.html>

"This is about something bigger than MIT. I hope other universities will see us as educational leaders in this arena, and we very much hope that OpenCourseWare will draw other universities to do the same. We would be delighted if -- over time -- we have a world wide web of knowledge that raises the quality of learning -- and ultimately, the quality of life -- around the globe."



III. Learning is More Open
(80-Year-Old WGU Texas Grad Keeps His Promise, November 30, 2012, Reeve Hamilton, Texas Tribune)

THE TEXAS TRIBUNE
 An 80-Year-Old Graduate With an Online Marketing Degree Kept His Promise



Better Money Habits (personal finance, money habits, financial literacy) (Bank of America and the Khan Academy)

The MOOC Marketplace Takes Off, Forbes, November 30, 2013, Josh Bersin
<http://www.forbes.com/sites/joshbersin/2013/11/30/the-mooc-marketplace-takes-off/>



IV. Learning is More Informal October 13, 2013

A Dozen Ways To Promote Informal Learning
Chief Learning Officer, Saul Carliner
<http://www.clomedia.com/articles/a-dozen-ways-to-promote-informal-learning>



V. Learning is More Flipped August 1, 2014

Get schools out of the 1890s, Newt Gingrich, CNN

http://www.cnn.com/2014/08/01/opinion/gingrich-schools-blended-teaching-technology/index.html?hpt=hp_13



More on classroom flipping in colleges



View Photo Gallery — Flipping the classroom: Students of Florida professor Philip Dettmers are learning a lesson about the American Civil War in a flipped classroom. The video is a sample of education from the site public university. The video is able to register for the course and access the video content for free, and Dettmers's video content is available for free on their own time. Flipping is possible: Dettmers says he is a flipped classroom teacher. The technique is known as 'flipping the classroom'.

Onboarding New Employees (Employee Blended Orientation, Flipping the Classroom—give access to course materials)

Putting MOOCs to Work Recap

September 8, 2014, Chris Hilger, Extension Engine
<https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/>

7 WAYS THAT
CORPORATIONS ARE
USING MOOCs

2 ONBOARDING EMPLOYEES.
McAfee



VI. Learning is More Video-Based October 15, 2014

Videos: Performance Management

Doug Lipp, former Disney University leader and author of "Disney U," discusses how Disney teaches employees to do their jobs and exude the company's culture.
<http://www.clomedia.com/media/videos/play/195>



VII. 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>



October 6, 2014

Stanford U Display Wall Takes Visualization to a Higher Level,
Dian Schaffhauser, Campus Technology



VIII. Learning is More Touch Sensed October 16, 2013

Corporate Classrooms: Adapting to Change
Chief Learning Officer, Frank Kalman
<http://www.cimedia.com/articles/corporate-classrooms-adapting-to-change>



IX. Learning is More Gesture-Based September 12, 2014

Intel Says Laptops and Tablets with 3-D Vision Are Coming Soon, Your next laptop or tablet may have 3-D sensors that let it recognize gestures or augment a real scene with virtual characters.

Tom Simonite, MIT Technology Review
<http://www.technologyreview.com/featurestory/32731/the-quest-to-pull-more-reality-3d-virtual-reality/2014/09/12/campaign-comes-to-kickin-source-newletter-daily-with-also-readers-newsletter-content-20141022>



X. 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/> Video

Nichelle Pollock, a student in Northern Arizona U.'s competency-based bachelor's-degree program, takes a Spanish exam online.



XI. Learning also is More Collaborative March 26, 2014

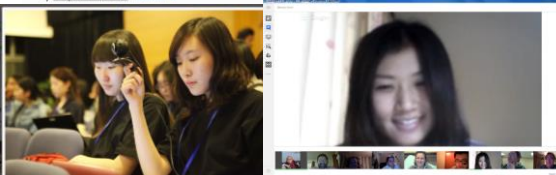
Flat Connections: Welcome to Flat Connections - Learning about the world, with the world
<http://www.flatconnections.com/>

Collaboration & Social Networking | Feature

Global Collaboration Projects that Go Way Beyond Skype

Here's how one program is engaging Web 2.0 skills to bridge cultures and classrooms — one project at a time.

By Stephen Noonoo • 03/26/14



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](http://designbuildsource.com.au/design-for-students-with-students) opened in October 2011, May 8, 2012, Mike Roberts



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
<http://www.usatoday.com/story/tech/2013/04/09/google-apple-health-glass-profiles-iphone-nike-microsoft-samsung/1979112/>
(i.e., magnify moles or injuries, see vital signs, live stream surgeries, access previous PT sessions, access research and drug info, etc.)
<http://www.hercmobilehealthcare.com/story/google-glasses-could-have-strong-potential-healthcare-use/2013-03-18>



XVI. Learning is More On Demand May 5, 2014

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



XVII. 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/>



Mashable

Lifehacks

iPotty Aims To Entertain Toddlers During Toilet Training

Bill Gates' classroom of the future



Gates: How to make digital classrooms work



Learning is More Personal August 5, 2014

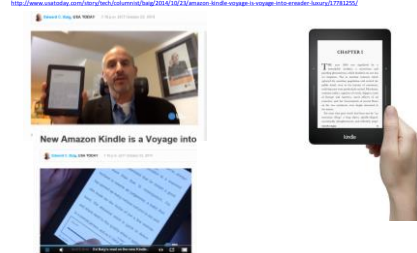
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

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



XVIII. Learning is More Digital October 23, 2014

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



XIX. Learning is More Global August 1, 2014

Can You Really Teach a MOOC in a Refugee Camp?, Chronicle of Higher Education, Steve Kolowich

http://chronicle.com/blogs/wiredcampus/can-you-really-teach-a-mooc-in-a-refugee-camp/54191?cid=at&utm_source=at&utm_medium=en



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)

June 16, 2014

Metra Mehran is a college student in Political Science and Public Administration in Afghanistan.

Afghanistan Student Keynote, by Elliott Masie Learning 2014, October 26-29, 2014

<http://www.learning2014.com/blog/item/afghanistan-student>



XX. Learning is More Synchronous Dubai to Puerto Rico (Edgar Leon)

<https://www.youtube.com/watch?v=Imxw07wTh2Y&list=U5Cht0-jmV1pXk95Kv-lw>



XXI. Learning is More Online January 10, 2014

The New-School Virtual Leader
Chief Learning Officer, Sharat Sharan

Hotel chain Marriott created a leadership program with a goal to provide training to 733 hotels in 23 countries.

Certified 5,000 managers trained; and 10,000 more given big picture training

<http://www.clomedia.com/articles/the-new-school-virtual-leader>



January 2014 Learning is More Online

Grade Change: Tracking Online Education in the United States, 2013, The Sloan Consortium, I. Elaine Allen & Jeff Seaman, 2013 Survey of Online Learning Report and 2014 data from Indiana University

<http://sloanconsortium.org/publications/survey/grade-change-2013>

Direct connect: <http://www.onlinelearningsurvey.com/reports/gradechange.pdf>



June 15, 2014

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

http://money.com.com/2014/06/15/news/economy/starbucks-scholar-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>

Starbucks offers workers 2 years of free college

http://money.com.com/2014/06/15/news/economy/starbucks-scholar-education/index.html?hpt=hp_12



XXII. 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

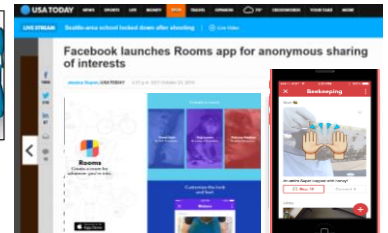
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html



XXIII. Learning is More Social October 24, 2014

Facebook launches Rooms app for anonymous sharing of interests, USA Today, Jessica Guynn

<http://www.usatoday.com/story/tech/2014/10/23/facebook-rooms-josh-miller-launch-mobile-app-creative-labs/1779167/>



XXIV. 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/184322385012/new-learning-hubs-locations-hosted-by-the-new-york>



XXV. 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/columnist/baig/2014/10/21/ipad-air-2-fabulous-but-not-must-upgrade/1765829/>

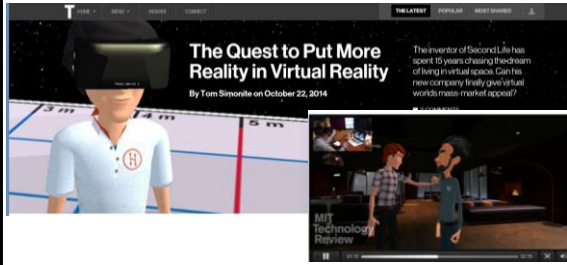


XXVI. Learning is More Immersive

October 22, 2014

The Quest to Put More Reality in Virtual Reality,
Tom Simonite, MIT Technology Review

<http://www.technologyreview.com/blogs/2014/10/22/the-quest-to-put-more-reality-in-virtual-reality/>
<http://www.mit.edu/~magnewell/techreview/2014/10/22/the-quest-to-put-more-reality-in-virtual-reality/>



XXVII. Learning is More Adventurous

Aaron Doering, Chasing Seals, TEDx

<http://chasingseals.com/>



XXVIII. 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

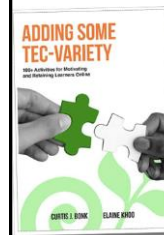


Screen savers: Books can now be read on almost any mobile phone



Introducing the FREE "TEC-VARIETY book..."

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



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: Challenges, Dissonance, Controversy
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership



The V-PORTAL (Bonk, IU)

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

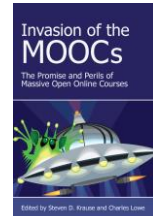
<http://www.youtube.com/user/TravelinEdMan>



XXIX. 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): http://www.parlorpress.com/invasion_of_the_moocs
Free (PDF): http://www.parlorpress.com/pdf/invasion_of_the_moocs.pdf



Global Health Initiatives October 7, 2014

Online Mooc 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.

Building Talent Pipeline Master's Degree Is New Frontier of Study Online, August 17, 2013, The New York Times By Tamar Lewin

<http://chronicle.com/article/MOOCs-May-Not-Be-So-Disruptive/140965/>
<http://extensiononline.com/putting-moocs-to-work-creag-infographic/#.VtX4o3wtvjs>

Master's Degree Is New Frontier of Study Online



Dr. Clark, the dean of the College of Computing at the Georgia Institute of Technology. The institute plans to offer a master's degree in computer science through massive open online courses, or MOOCs.

Published online August 17, 2013. © 2013 Columbia.

1 BUILDING TALENT PIPELINES.



With an emphasis on building business and industry skills, the new degree program is designed to help students gain the skills and knowledge needed to succeed in the workforce.

7 WAYS THAT
CORPORATIONS ARE
USING MOOCS

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/>



As new digital forms of informal and formal learning proliferate, however, there is an increasing need to better understand how people in different regions of the world are implementing innovative open online courses (MOOCs) and other forms of open educational resources (OERs). Educators, researchers, practitioners, and students often seek to grasp what the outcomes of these initiatives are and how they can be improved. Current learning challenges have caused institutions and organizations to grapple with issues of accreditation, sustainability, quality assurance, institutional assessment, and learner motivation and effort, among numerous other areas of concern.

In response, *MOOCs and Open Education Around the World* explores and illustrates unique implementations of MOOCs and open education across regions and nations. The book also

MOOCs and
Open Education
AROUND THE WORLD



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

XXX. Learning is More Web-Based April 15, 2013 World will soon be "Webified" Google boss: Entire world will be online by 2020, Doug Gross, CNN

http://www.cnn.com/2013/04/15/tech/web/eric-schmidt-internet/index.html?hpt=hp_13

Google boss: Entire world will be online by 2020



Let's Review: Learning is Changing... (i.e., it's more informal, video-based, ubiquitous, collaborative, self-directed, global, mobile, open, massive, etc.)

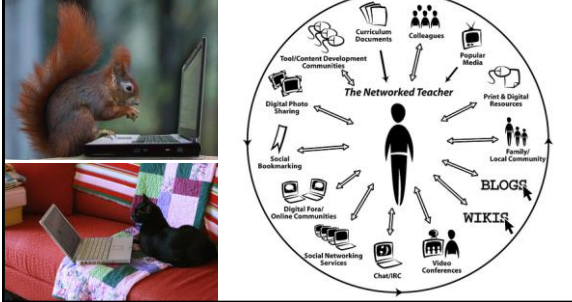


Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge.

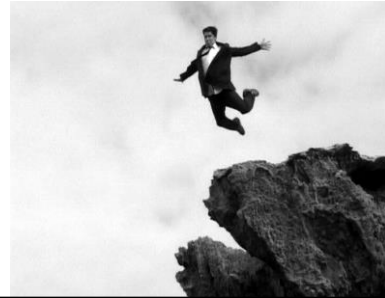


Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

The Web of Learning



We are entering a jumping off point...



Framework #1: WE-ALL-LEARN: Ten Forces that Opened the Learning World

- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**ead-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)



Audience Participation!

WE

ALL

LEARN!!!



What about the Instructor in the Open World?



1. Instructor as Credit Manager



2. Instructor as Court Room Judge**3. Instructor as Counselor****4. Instructor as Consultant****5. Instructor as Conductor****6. Instructor as Course Ambassador****7. Instructor as Curator**

8. Instructor as Concierge



9. Instructor as Camping Trip Guide



10. Instructor as Cultivator



Framework #2. Introducing the "TEC-VARIETY" book...

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

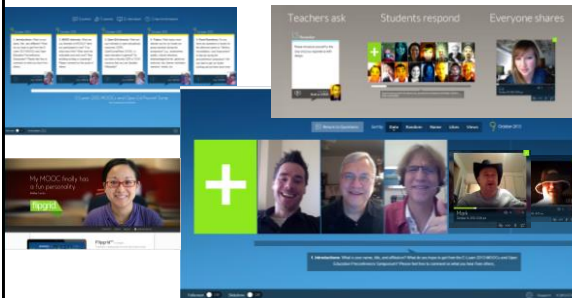


What motivates?

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

1. Tone/Climate: A. Video Introductions, e.g., Flipgrid

<http://flipgrid.com/#429f88c5>



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>



3. Curiosity, Fun:

A. Something in the News

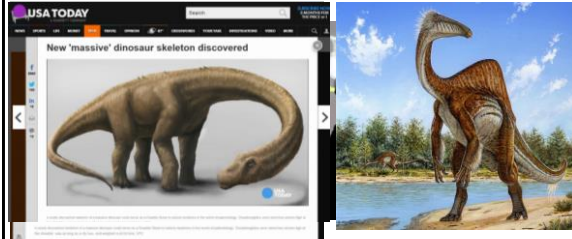
New 'massive' dinosaur skeleton discovered, USA Today,
September 5, 2014 (Dreadnoughtus)

<http://www.usatoday.com/story/tech/2014/09/04/dinosaur-skeleton-discovered/15031803/>

October 23, 2014

Goofy dinosaur blends Barney and Jar Jar Binks, SF Gate, Seth Borenstein

<http://www.sfgate.com/news/article/Goofy-dinosaur-blends-Barney-and-Jar-Jar-Binks-956061.php>



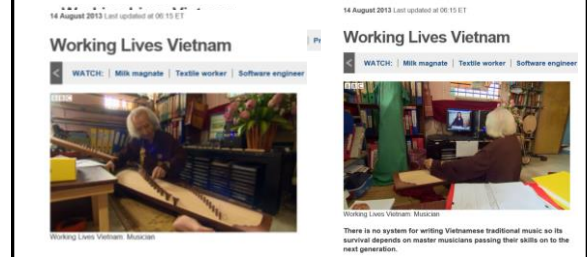
4. Variety, Novelty, Fun:

A. Teach from Vietnam to the World

BBC News Asia, August 14, 2013

Even though he is now very elderly Vinh Bao (age 96) still teaches music, using his computer to coach pupils across the globe.

<http://www.bbc.com/news/world-asia-23497559>



5. Autonomy, Choice:

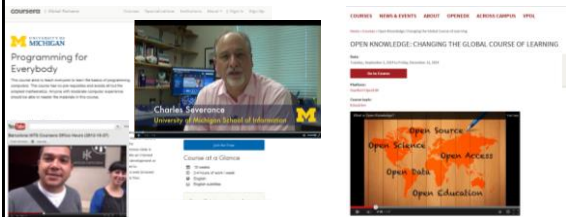
A. Enroll in a MOOC and Reflect Programming for Everyone

(Chuck Severance, University of Michigan)

Open Knowledge: Changing the Global Course of Learning

September 2, 2014 to December 12, 2014, Stanford

<https://www.coursera.org/open/>



6. Relevance, Meaningfulness:

A. Case-Based Learning: Instructor Cases (e.g., Mark Braun, IU)



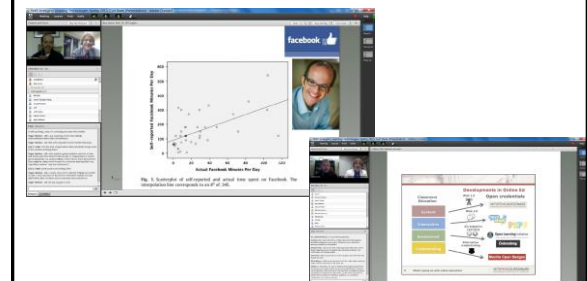
7. Interactive, Collaborative:

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



8. Engagement, Effort:

A. Guest Speaker Quotes (Rey Junco, February 25, 2013)




Abstract
The following article has been included in a multiple retraction:
Chen CY, Chen T-H, Chen Y-H, Yu S-E and Chung P-Y (2013)
Information technology system modeling an integrated C-TAM-
TPB model to the validation of ocean tidal analyses *Journal of
Vibration and Control* ahead of print 7 May 2013. doi:
10.1177/1077546312472924

[illegible]

COMMITMENT

Success is largely a matter of hanging on after others have let go.

© 1999 by Entrepreneur Press



Curtis J. Bonk | Ke Zhang

Empowering Online Learning

100+ Activities
for Reading, Reflecting,
Displaying & Doing



USER DEMOGRAPHICS

60% Male
40% Female

Average age: 25

64% have a Bachelor's or greater degree
73% have a full-time job

DISTRIBUTION OF MOOCs BY SUBJECT

Subject	Percentage
Business	10.5%
Engineering	10.5%
Health Sciences	10.5%
Humanities	10.5%
Life Sciences	10.5%
Medicine	10.5%
Physical Sciences	10.5%
Social Sciences	10.5%

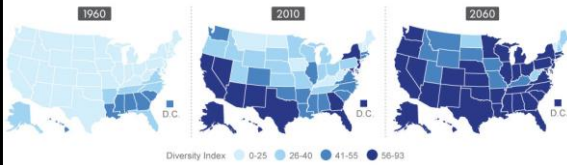
Display 3a. Interactive Timeline Maps, October 22, 2014

Second immigration wave lifts diversity to record high:
Edward Greg Toppo and Paul Overberg, USA Today

<http://www.usatoday.com/story/news/nation/2014/10/22/diversity-race-ethnicity-change-185-years/1621133/>

Rising diversity, state by state

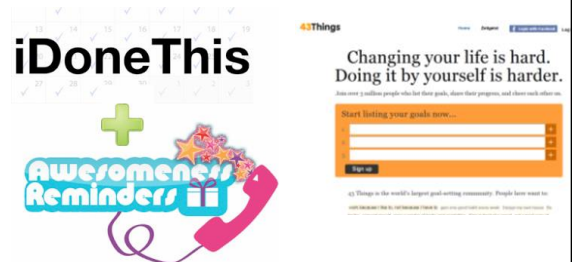
The USA TODAY Diversity Index shows on a scale from 0-100 the chance that two random people are different by race and ethnicity.



Source USA TODAY analysis by Paul Overberg of data from Census Bureau, NHGIS at University of Minnesota and ProximityOne
Frank Pompei, USA TODAY

Do 4a. Goal Setting Tools

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



Poll #5: Which do you prefer... R2D2 or TEC-VARIETY?



What motivates?

1. TeamClimate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Responsiveness, Praise, Supports
3. Curiosity: Surprise, Inquire, Unleash
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

Charles Wedemeyer Quote:

"It should be immaterial whether one has learned at the front door or the back door of the Palace of Learning. **What one has learned**—not where, or how, in what sequence, at what institution, or in what period of time—is the only criterion of supreme importance."
(Charles Wedemeyer, 1981, p. 216)



December 13, 2013

Former MIT president Charles M. Vest dies at 72
As the Institute's leader from 1990 to 2004, he
sparked a period of dynamism.

Steve Bradt, MIT News Office

<https://web.mit.edu/newsoffice/2013/former-mit-president-charles-m-vest-dies-at-72-1213.html>



Any Questions?

Try TEC-VARIETY...

Slides at: TrainingShare.com

Papers: PublicationShare.com

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

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