I am Not Content: The Future of Education Must Come Today
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(Circa Confucius 551–479 BCE)

Academos
Plato Circa 428–347 BCE

Poll:
Read any books on creativity or innovation lately?

1. Creativity, Inc.
Ed Catmull, President of Pixar Animation and Disney Animation
http://www.creativityincbook.com/
Elizabeth Gilbert
http://www.elizabethgilbert.com/
https://www.ted.com/talks/elizabeth_gilbert_success_failure_and_the_drive_to_keep_creating?language=en

Scott Barry Kaufman & Carolyn Gregory

Adam Grant
http://www.adamgrant.net/#!/originals/c1ckh

http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708690

More Recent Innovation
I am happy!
and...
My minions are happy!

June 17, 2015
With Its Invention, This Bengaluru-Based Startup Could Beat Google and Facebook,
Kirti Sharma,
September 22, 2015
Who’s Benefiting from MOOCs, and Why
Chen Zhenghao, Brandon Alcorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

October 7, 2015
MIT Master’s Program to Use MOOCs as ‘Admissions Test’
Jeffrey R. Young, Chronicle of Higher Education

October 19, 2015
MOOCs Are Still Rising, at Least in Numbers (398 new MOOCs started in October alone)
Ellen Wexler, Chronicle of Higher Education

November 19, 2015
Ten Most Popular MOOCs Starting in November 2015
Class Central Blog
https://www.class-central.com/

December 17, 2015
Elliott Masie’s Learning 2015, Nov 1-4, 2015
http://learningtalks.com/learning-2015-videos/make-light-the-message-

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/#290acdda7f09
January 13, 2016
As an Open-Access Megajournal Cedes Some Ground, a Movement Gathers Steam, Paul Basken, Chronicle of Higher Education

January 15, 2016
Wikipedia at 15
Scott McLemee, Inside Higher Ed

January 20, 2016
Udemy: “Get cozy with a class”

January 20, 2016
University tap growth of craft beer, offer classes, Chicago Tribune

February 17, 2016
World’s Cheapest Smartphone at $3.67

March 2, 2016
Obama to headline SXSW technology conference

March 14, 2016

Behind a Computer’s Surprise Victory, Hints of Global Economic Upheaval
Paul Basken, The Chronicle of Higher Education

March 15, 2016

Siri’s Inventor Ponders a Giant Brain in the Sky
Marco della Cava, USA Today (Chicago Sun Times)

So much innovation!
But I am not Content!!!

Why Not Content?
Reason #1: We’re still needing to define what “Blended Learning” is...

Why Not Content?
Reason #2: Acceptance and use of e-learning, MOOCs, etc. still seen as unusual...

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
Why Not Content?
Reason #3: Back to square one with MOOCs... (i.e., the resistance movement has reemerged)

Why Not Content?
Reason #4: The pervasive need for success stories...

Overcoming the Resistance Movement

November 18, 2015
Focused Ga. Mom Completes College Exam While in Labor, Fox 5, Atlanta

October 30, 2015
Migrants get help through German online university

January 7, 2016
Google Cardboard saves baby's life
CNN, Elizabeth Cohen
http://www.cnn.com/2016/01/07/health/google-cardboard-baby-saved/index.html
April 20, 2015
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."

Why Not Content?
Reason #5: The continuing emphasis on formal over informal (and "real") learning

Why Not Content?
Reason #6: The new "Four Horsemen" of the Apocalypse: Quality, Copyright, Plagiarism, and Assessment...

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/

Now that we have all this great content available, the big trend is the availability of credentials – tests and accreditation you can receive for a fee. Most of the MOOC providers now offer such credentials (there are over 100) and they include tools like Nanodegrees (Udacity), Credentials of Readiness (Harvard), XSeries (EdX), and many more. It’s not yet clear how well these credentials will be recognized by employers, but that’s where this market is going.

In the corporate space, video-based self-study courses are exploding everywhere. Providers like Udemy, SkillSoft, Lynda (LinkedIn), Grovo, and BigThink are now exploding with expert content. Other companies with professional education include SkillShare, Pluralsight, General Assembly, Floq, Iversity, and many others. Most of these companies focus on technical education – software skills, IT systems, and other technical topics.

February 21, 2016
No Rush to ‘Go Digital’, Carl Straumsheim, Inside Higher Ed

March 15, 2016
Panel: Ditch Grades Now, Focus on Student Learning
David Nagel, THE Journal

Panel: Ditch Grades Now, Focus on Student Learning

By David Nagel 03/15/16

Teach without grades. Teach without tests. Teach without homework. That’s the message from a growing number of educators who are not only advocating but actually making substantial changes in their classroom practices by eliminating grades and scores entirely.
Why Not Content?
Reason #7: People assume digital and virtual will replace all...

December 7, 2015
MOOCs Are To Higher Ed What Netflix Is To Movie Theaters
Forbes, Joseph Holmes

February 7, 2016
When They Promise the Netflix for Education, Cover Your Wallet
Inside Higher Ed, John Warner

February 25, 2016
Students Are Spending Less on Textbooks, but That's Not All Good
Phil Hill. The Chronicle of Higher Education

Why Not Content?
Reason #8: The Lack of the 3 R’s: Respect, Resources, and Recognition...

“I don’t get no respect”

Why Not Content?
Reason #9: Endless barrage of learning technology news...
Poll: Read Any Research Lately?
October 25, 2014

OER Evidence Report 2013-2014
Building Understanding of Open Education

February 2016
Online Report Card – Tracking Online Education in the United States
Babson Survey Research Group and Pearson Learning Solutions, with support from the Online Learning Consortium (OLC), StudyPortals, WCET and Tyton Partners

Why Not Content? Reason #10: Too many tweakers… and not enough bold vision!
Rosemarie Foulger, one of the students, who transferred to Minerva this year from the University of Birmingham, in England...said she was somewhat disappointed by the lack of boldness she heard from speakers or attendees. “No one was going far enough in higher ed,” she said. They “seemed to be making tweaks.”

Therefore, I am not content! Are you?

We are entering a jumping off point...
(South University of Science and Technology of China, Wednesday June 10, 2015)
Life as an accountant/CPA in a high tech company in the 1980s...

Poll: Remember what technology you used to own?

Fast Forward 30+ Years...
“Anyone can now learn anything from anyone at any time.”

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

I’ll Buy the Apple Watch
April 9, 2015

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

Ed Baig, USA Today
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-yours-t20786

March 2, 2015
Beware the smartphone zombies blindly wandering around Hong Kong, Mark Sharp, South China Morning Post

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/151031/

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

IV. Learning is More Visual
September 22, 2014
110 Foot Engagement, Elliott Masie’s Learning 2014

V. Learning is More Touch Sensored
October 16, 2013
Corporate Classrooms: Adapting to Change
Chief Learning Officer, Frank Kalman
http://www.chieflearningofficer.com/articles/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
https://www.usatoday.com/story/tech/columnist/baig/2014/10/21/ipad-air2-fabulous-tablet-is-not-a-must-upgrade/17658295/

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

August 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

Letsee is an AR app from a South Korean company that allows consumers to scan a product and see reviews instantly overlaid overtop.

March 2, 2016
10 AR/VR sets that take you to another world
USA Today, Marco della Cava

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

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

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)
IX. Learning is More Social
September 1, 2015
Facebook says 1 billion people used Facebook on Monday, USA Today
http://www.usatoday.com/tech/

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/151445/?cid=at

XII. Learning is More Synchronous
January 19, 2015
(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

XIV. Learning is More Blended
March 22, 2015
Madagascar marvel: Divers find fossils of extinct giant lemurs
Daisy Carrington, for CNN, March 22, 2015
May 28, 2015 (Immediate, Digital, and Resource Rich)
Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN

May 28, 2015
New species from Ethiopia further expands Middle Pliocene hominin diversity, Nature
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://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/)

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
Florida lawmakers push personalized learning
Leslie Postal, Orlando Sentinel (eSchool News)

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

XXI. Learning is More Online
June 15, 2014
Starbucks offers workers 2 years of free college, CNN Money, Gregory Wallace
(from Arizona State online programs)

XII. Learning is More Modifiable
Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013
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 6, 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)

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/google-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

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


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)

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**XIX. Learning is More Open**
*(December 2, 2014)*

**Nature, Openwords, etc.**

[https://www.facebook.com/Openwords](https://www.facebook.com/Openwords)

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**March 14, 2016**

**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](http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx)

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**XXX. 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#](https://class.stanford.edu/courses/Education/OpenKnowledge/Fall2014/about#)


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**Global Health Initiatives**

**October 7, 2014**

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


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

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**May 26, 2015**

**Edtech and MOOC Times in China**

Michael Trucano On Tue, 05/12/2015, EduTech

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?r=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."

Employee to Employee Training
G2g (Googler to Googler) Training
Seven Ways to Corporate MOOC, Udemy blog, December 23, 2013, Shannon Hughes
https://www.udemy.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

Bonk Raffle…Book Raffle:
MOOCs and Open Education Around the World
http://routledge-ny.com/books/details/9781138807419/

Any Comments or Questions?
Slides at: TrainingShare.com
Papers: PublicationShare.com
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Email: curt@worldisopen.com