Education 3.0: The Learning World of Middle Earth is Fast Changing!

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Academos
Plato Circa 428–347 BCE

Poll #1:
Are you interested in Education 3.0?
A = Yes
B = No
C = Not sure

Instructor as Curator, Concierge, Counselor, etc.

Education 3.0

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Education 1.0</th>
<th>Education 2.0</th>
<th>Education 3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary role of professor</td>
<td>Instructor</td>
<td>Source of knowledge</td>
<td>Guide and source of knowledge</td>
</tr>
<tr>
<td>Source of knowledge</td>
<td>Traditional copyright materials</td>
<td>Copyright and.freepowerpoint educational resources for students within disciplines, sometimes across institutions</td>
<td></td>
</tr>
<tr>
<td>Curriculum arrangements</td>
<td>Traditional assignment activities</td>
<td>Traditional assignment activities transformed to accommodate increasing collaboration in learning activities, skill sharing, institutional and cross-institutional participation</td>
<td></td>
</tr>
<tr>
<td>Learning activities</td>
<td>Traditional, some group work within classroom</td>
<td>Traditional assignment activities transformed to accommodate increasing collaboration in learning activities, skill sharing, institutional and cross-institutional participation</td>
<td>Open, flexible learning activities that focus on creating and sharing digital content, creativity, social networking outside of traditional educational boundaries, institutions, institutional and cross-institutional participation</td>
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</tbody>
</table>
Poll#2:
Read any good books lately?
Recent Books About Education 3.0

1. Drive: The Surprising Truth About What Motivates Us
   Daniel Pink (2009)

   Motivation 3.0
   • Freedom, challenge, purpose
   • Creative, interesting, etc.
   • Self-directed work
   • Intrinsic motivation
   • Life as play and possibility
   • Engagement and mastery
   • Autonomy

   Elizabeth Gilbert
   http://www.elizabethgilbert.com/
   http://www.ted.com/talks/elizabeth_gilbert_success_failure_and_the_drive_to_keep_creating?language=en

   Scott Barry Kaufman & Carolyn Gregory
   http://www.amazon.co.uk/Wired-Creativity-Unraveling-Mysteries/dp/0399174109

   Adam Grant
   http://www.adamgrant.net/#!originals/c1ckh
   Pinkcast 2. Advice from Adam Grant: Look for "disagreeable givers" (March 2, 2016)

5. The Innovators:
   Walter Isaacson (2014)
   http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708690
   Carol Dweck (2006)
   http://mindsetonline.com/index.html
   - Growth vs. fixed (i.e., entity) theories of intelligence
   - Intelligence is not fixed
   - Practice, practice, practice
   - Do not blame others
   - Learning goals over performance goals
   - Asks: What can I learn from this?
   - Asks: How can I improve?

7. Creativity, Inc.
   Ed Catmull, President of Pixar Animation and Disney Animation
   http://www.creativityincbook.com/

The new “Four Horsemen” of the Apocalypse:
Quality, Copyright, Plagiarism, and Assessment...

Poll #3: Remember Education 1.0
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

Poll #4: Do you really remember Education 1.0???
YOU SHALL NOT PASS

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

Mimeograph machine.
May 10, 2013
10 ed-tech tools of the 70s, 80s, and 90s
eSchool News, Meris Stansbury
http://www.eschoolnews.com/2013/05/10-ed-tech-tools-of-the-70s-80s-and-90s/print/

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

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

Poll #5: Remember what was to be education 2.0?

Poll #6: Do you really remember what was to be education 2.0?

Fast Forward 30+ Years...
“Anyone can now learn anything from anyone at any time.”
Poll #7: 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.)

Learning is Technology Based
New Technologies = New Delivery Methods...

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
http://gadgets.ndtv.com/videos/freedom-251-launched-as-world-s-cheapest-smartphone-at-10-25-
404082
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-space-C8685

III. Learning is More Video-Based
June 16, 2015
Lynda.com Excel Training, IU
Acquired for $1.5 Billion, April 23, 2015

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

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

March 31, 2016
How Sal Khan Hopes to Remake Education, Jeffrey R. Young, The Chronicle of Higher Education

August 5, 2015
Shubham Jaglan Overwhelmed by "Dream" Return Home After Double World Championship
Disha Chopra, NDTV Sports
April 5, 2016
Association for the Advancement of Computing in Education (AACE), YouTube Channel
https://www.youtube.com/channel/UCTB7ISqH1VhAOcIw8_sl9g

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

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/columnist/baig/2014/10/21/ipad-air2-fabulous-tablet-is-not-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

NextVR crew members 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.

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

NextVR crew members 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
The USA Today, Marco della Cava
Leesee is an AR app from a South Korean company that allows consumers to scan a product and see reviews instantly overlaid on top.

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 a series of product reviews instantly overlaid on top.

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.

April 10, 2016
Virtual reality tested by NFL as tool to confront racism, sexism
Marco della Cava, USA Today
One VR diversity demo places the user in the body of an African-American woman as a white male avatar gets aggressive mere feet away. (In one Stanford VR demo, subjects are made to feel what it is like to be homeless, as in this scene where the user is transported into the body of a woman riding the bus with a few possessions.)

January 15, 2016
Wikipedia at 15
Scott McLemee, Inside Higher Ed
Celebrating or hating it as you will, writes Scott McLemee, Wikipedia has metamorphosed from its beginnings as a pimple cultural interloper into the de facto reference work of first resort.

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

April 12, 2016

Zuckerberg criticizes Trump’s call for border wall at F8 conference,
Natalie DiBlasio, USA Today


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

Kevin deLaplante, an associate professor at Iowa State U., makes an average of $2,500 per month teaching from his home studio (above) on sites like Udemy.

January 19, 2015

XII. Learning is More Synchronous

(International Open Badges Extravaganza)
European Meeting in Zoom, November 2015)

Sonja Stahl and Diane Salmon, National Louis University

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

April 1, 2016
Potential Vikings site in North America spotted from space, Jareen Inman, CNN

April 1, 2016
2,500-year-old slab reveals lost language, CNN (A team of scientists have uncovered a 2,500-year-old slab that may reveal details about the ancient Etruscan civilization.)

November 19, 2015
New Species in the News…!
New daddy longlegs named after 'Lord of the Rings' character Smeagol, Mary Bowerman, USA Today

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 Time: Competency-based education can help motivated students. But online may fit on

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

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

March 7, 2016

XIX. Learning is More Personal
Personalized Learning: What It Really Is and Why It Really Matters,
Michael Feldstein and Phil Hill, EDUCAUSE Review

Learning is More Personal
Localization and Translation of Open Content
Coursera, Global Translator Community, Chronicle of Higher Education
http://www.coursera.org/about/translate

Courseara Seeks to Create a ‘Global Translator Community’

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
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

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

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

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
Mihret Yohannes and Jabeen Bhatti, Special for USA TODAY, USA Today
"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."
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 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)

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

XIX. Learning is More Open
(December 2, 2014)
Nature, Openwords, etc.
http://www.openwords.com/
https://www.facebook.com/Openwords

XXX. Learning is More Modular
August 4, 2015
How Nanodegrees Are Disrupting
Higher Education
John Waters, Campus Technology
http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx

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
Softcover ($30): http://www.parlorpress.com/invasion_of_the_moocs

January 20, 2016
Udemy: “Get cozy with a class”
udemy@email.udemy.com
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.

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

March 4, 2016
MOOCs: vital tools in education of the future – or over-hyped online fad? (embedded video: 8:01)
Euro News, Sarah Chappell
http://chronicle.com/article/250-MOOCs-Counting-One/229397/?cid=at

SPECIAL REPORTS learning world
MOOCs: vital tools in education of the future – or over-hyped online fad?


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

If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.

April 20, 2015
250 MOOCs and Counting: One Man’s Educational Journey, chronicle of Higher Education
http://chronicle.com/article/250-MOOCs-Counting-One/239397/?cid=at

Jima Ngei: “I had this unrelenting fear that this miracle of free access might evaporate soon.”
June 26, 2015
In China, Where Everything is a MOOC (the "Zhongguancun MOOCs Times Building")
Education Week, Justin Reich, HarvardX Research Fellow

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."

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."

Employee to Employee Training
G2g (Googler to Googler) Training
Seven Ways to Corporate MOOC, Udemy blog, December 23, 2013, Shannon Hughes

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

Things are heating up!
http://routledge-ny.com/books/details/9781138807419/

MOOCs and Open Education Around the World
By Bonk, Lee, Reynolds, & Reynolds

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

The Web of Learning
We are entering a jumping off point...
(South China Normal University, Friday June 12, 2015)

What happens next...?
END OF COURSE EXAMS?
I SHALL PASS!

Any Comments or Questions?
😊 Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://tec-variety.com/
Email: curt@worldisopen.com