Education 3.0: 
My, Our Learning World is Changing!

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(Circa Confucius 551–479 BCE)

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

1. Instructor as Conductor

2. Instructor as Curator
3. Instructor as Concierge

Poll: Read any books on creativity or innovation lately?

1. Invent to Learn: Making, Tinkering, and Engineering in the Classroom
Sylvia Libow Martinez & Gary Stager (2013)
http://www.inventtolearn.com/

Carol Dweck (2006)
http://mindsetonline.com/index.html
http://mindsetonline.com/testyourmindset/step1.php

3. Wired to Create: Unraveling the Mysteries of the Creative Mind
Scott Barry Kaufman & Carolyn Gregory

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
February 17, 2016
World’s Cheapest Smartphone at $3.67
https://m.facebook.com/hashtag/launched?refid=52&__tn__=%2As

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

II. Learning is More Video-Based
August 5, 2015
Shubham Jaglan Overwhelmed by “Dream” Return Home After Double World Championship
Disha Chopra, NDTV Sports

III. 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/
IV. 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

V. Learning is More Digital
October 23, 2014
New Amazon Kindle is a Voyage into eReader luxury, USA Today, Edward C. Baig

VI. Learning is More Adventurous
May 7, 2015
Aaron Doering, Chasing Seals, TEDx
http://chasingseals.com/
https://twitter.com/chasingseals

VII. Learning is More Immediate and Resource Rich
March 22, 2015
Madagascar marvel: Divers find fossils of extinct giant lemurs
Daisy Carrington, for CNN, March 22, 2015

May 28, 2015
Immediate and Resource Rich
Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN

VIII. Learning is More Hands-On
February 2, 2015
Makey Makey and the Kano
http://makeymakey.com/
https://vimeo.com/60307041
March 2, 2016
IX. Learning is More Personal
Florida lawmakers push personalized learning
Leslie Postal, Orlando Sentinel (eSchool News)

X. Learning is More Blended
Anatomy of a Blended Learning Classroom

XI. 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

XII. 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/

XIII. Learning is More Synchronous
January 19, 2015
(International Open Badges Extravaganza)
European Meeting in Zoom, November 2015

XIV: Learning is More Online
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 RIT to create a two-year course of study. This will provide many refugees with credits that can transfer to 25 traditional, brick-and-mortar universities across Europe that are partners with Kiron.”
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...
(South University of Science and Technology of China, Wednesday June 10, 2015)

Frameworks and Models

3. Curiosity, Fun: A. Virtual Expeditions
July 23, 2015

What Google's virtual field trips look like in the classroom, Michael Noonoo, Stephen Noonoo

October 16, 2015
5. Autonomy, Choice: C. Newseum Ed

https://newseumed.org/
6. Relevance, Meaningfulness:
A. Map Animations
Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice
Christine Dell’Amore, National Geographic, August 3, 2015


8. Engagement, Effort:
A. Interpreting Infographics
August 5, 2015
How much rainforest in that chocolate bar?
Global Forest Watch, Nancy Harris, Octavia Payne and Sarah Mann
http://blog.globalforestwatch.org/2015/08/how-much-rainforest-is-in-that-chocolate-bar/

Land-Use Change Emissions in Miles Driven

2,000 Ha of forest cleared
200 Ha of forest cleared
1,500 B miles driven by passenger car

58,819 tons emitted by the earth

http://national.chocolate

10. Yields Products, Goals:
A. Shared Online Video Tests and Quizzes (e.g., TED-Ed)
http://education.ted.com/

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