Audience Poll #1:
Has learning technology has ever transformed your life?

The Innovators:
Walter Isaacson (2014)
http://books.simonandschuster.com/The-Innovators/Walter-Isaacson/9781476708690

Poll #2:
Remember what technology you used to own?

Life as an accountant/CPA in a high tech company in the 1980s...
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
Review: Samsung rises to challenge with Galaxy S6 and S6 Edge

I’ll Buy the Apple Watch
April 9, 2015
Ed Baig, USA Today

Smartphone separation anxiety: How bad is your nomophobia?
May 14, 2015
Today Health, Meghan Holohan
March 2, 2015
Beware the smartphone zombies blindly wandering around Hong Kong, Mark Sharp, South China Morning Post

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.

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.

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/

August 5, 2015
Shubham Jaglan Overwhelmed by "Dream" Return Home After Double World Championship
Disha Chopra, NDTV Sports
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

July 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

March 2, 2016
10 AR/VR sets that take you to another world
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 overtop.

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

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

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

XI. 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.

XII. January 12, 20, and 26, 2016 (Zoom)
XII. Learning is More Synchronous
Weekly Guest Expert Chats
RS11 Chat with Mike Molenda, IU
RS11 Chat Charles Graham, BYU
XIII. Learning is More Digital
February 21, 2016
No Rush to ‘Go Digital’, Carl Straumsheim, Inside Higher Ed

XIV. 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

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

May 28, 2015
New species from Ethiopia further expands Middle Pliocene hominin diversity

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

Wikis and Collaborative Technology (negotiate meanings)
(PiratePad, MeetingWords, PBWorks, Wikispaces)

XX. Learning is More Personal
March 2, 2016
Florida lawmakers push personalized learning
Leslie Postal, Orlando Sentinel (eSchool News)

Learning is More Personal
Localization and Translation of Open Content
Coursera, Global Translator Community, Chronicle of Higher Education
https://www.coursera.org/about/translate
XXI. 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/thank-you/about/programs/learninghubs

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


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 academies 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

February 2016
Online Report Card – Tracking Online Education in the United States
Babson Survey Research Group and the Online Learning Consortium (OLC), Pearson, EduPortals, WCET and Tyton Partners
http://onlinelearningsurvey.com/reports/onlinereportcard.pdf

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

XXIII. Learning is More Blended
Universities tap growth of craft beer, offer classes, Chicago Tribune

XIV. Learning is More Modifiable
Inside Look: Learning Spaces, Meeting classroom teaching and collaboration expectations, University Business, Feb. 22, 2013
http://www.universitybusiness.com/article/insidelook-learning-spaces

XV. 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
XVI. Learning is More Ubiquitous
September 23, 2014
Elliott Masie’s (i-Beacon; Bluetooth low energy proximity sensing)

XVII. 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

XVIII. Learning is More Free
August 5, 2014
OpenStax Aims To Bring Free Digital Textbooks to High Schools, David Nagel, THE Journal

XXIX. 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

Want something FREE?
Introducing the “TEC-VARIETY” book...
http://tec-variety.com/

What motivates?
1. TaraWClimate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Personalization, Places, Support
3. Curiosity: Surprise, Intrigue, Unknown
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, Riskiness, Controversy
10. Thriving Practices: Goal Driven, Purposeful Vision, Ownership
XXX. 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/

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)

XXXI. Learning is More Open
(December 2, 2014)
Nature, Openwords, etc.

http://www.openwords.com/
https://www.facebook.com/Openwords

February 24, 2016
MIT OpenCourseWare

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

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/234890/?key=V9WzHg4QbDkFuXONne07CiwpC5cgiOVgA5_Vr92e1bNrUktRMEhhLXpCT3hONUR3VHN1VWdLUk5ZdFVJUENKVFNWdkpscWJvWmFn

December 17, 2015
Elliott Masie’s Learning 2015, Nov 1-4, 2015


March 14, 2016
XXXII. Learning is More Modular
How Nanodegrees Are Disrupting Higher Education
John Waters, Campus Technology

https://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx
XXXIII. 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#

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

Global Health Initiatives
October 7, 2014
Online Mooc courses deliver Ebola health advice, BBC News, Sean Coughlan

Global Health Initiatives
October 7, 2014
Online Mooc courses deliver Ebola health advice, BBC News, Sean Coughlan

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

December 7, 2015
MOOCs Are To Higher Ed What Netflix Is To Movie Theaters
Forbes, Joseph Holmes
October 7, 2015
MIT Master's Program to Use MOOCs as 'Admissions Test'
Jeffrey R. Young, Chronicle of Higher Education

April 20, 2015
250 MOOCs and Counting: One Man's Educational Journey, Chronicle of Higher Education

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

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."
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/

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

17 More Technologies of Today...(33 + 17 = 50!)

Tech #33. Videoconferencing and Telepresence Robot Technology (e.g., Revolve, Kubi)
https://revolverobotics.com/

Tech #34. Backchannel Chat (TodaysMeet)
https://todaysmeet.com/
https://todaysmeet.com/R678_Emerging_Learning_Technologies
Tech #35. Virtual Expeditions
January 7, 2016
Google Cardboard saves baby’s life
http://www.cnn.com/2016/01/07/health/google-cardboard-baby-saved/index.html
http://www.eschoolnews.com/?p=159458?ps=cjbonk@indiana.edu
https://www.youtube.com/watch?v=mlYJdZeA9w4

Tech #36. Online Testing
(Quizlet; http://quizlet.com/)

Tech #37. Big Data Visualization Tools
(Harvardx and MITx)
http://harvardx.harvard.edu/harvardx-insights

Tech #38. Interactive News and Science Globes
January 7, 2013, Digital Globes Offer a Dynamic Vision, NY Times, Mark Vanhoenacker

Tech #39. Maps of Languages
Langscape, Language at Maryland
http://langscape.umd.edu/map.php

Tech #40. Social Media Tools
Design Article Database in Pinterest, Jenny Webeck
https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/
Tech #41. Online Study Groups (e.g., Open Study: http://openstudy.com/)

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

February 21, 2016
Tech #43. Focusing Technology (e.g., “Stop Procrastinating”) http://www.stopprocrastinatingapp.com/

Tech #44. Goals Setting Tools (e.g., I Done This, Milestone Planner, and 43 Things)

Tech #45. Shared Online Video Tests and Quizzes (e.g., TED-Ed) http://education.ted.com/

Tech #46. Video Editing and Commenting Tools (e.g., TubeChop)
Tech #47.
Screencasts and Tutorials
(Jing, GoView, Screenr)

Tech #48.
Mobile Health (bio sensors)
7 new smartphone features that will help define your future
February 23, 2014, Stewart Wolpin, CNN

Tech #49. Wearable Vibes
July 15, 2015
A high-tech high: Wearable gives you good vibes, USA Today, John Shinal

Tech #50. Artificial Intelligence and Robots
March 14, 2016
Paul Basken, The Chronicle of Higher Education
http://www.usatoday.com/story/tech/columnist/shinal/2015/07/14/thync-hippie-culture/29774829/

Welcome to Tech City!
NMC Horizon Report > 2016 Higher Education Edition

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Papers: PublicationShare.com
Book: http://tec-variety.com/