Course Description and Rationale:

Instead of passive consumption-based learning, we are living in a participatory age where learners have a voice and potentially some degree of ownership over their own learning. Here at the start of the twenty-first century, emerging technologies and activities—such as blogs, wikis, podcasts, ebooks, YouTube videos, massive open online courses (MOOCs), simulations, virtual worlds, and wireless and mobile computing—are generating waves of new opportunities in higher education, K-12 schools, corporate training, and other learning environments.

And today’s millennial learner, immersed in an increasingly digital world is seeking richer and more engaging learning experiences; and now the new “phigital” learner who is equally at home in the digital as well as physical world. Amid this rising tide of expectations, instructors across educational sectors are
exploring and sharing innovative ways to use technology to foster interaction, collaboration, and increased excitement for learning. It is time to take advantage of the new participatory learning culture where learners build, tinker with, explore, share, and collaborate with others online. It is also time to utilize free and open educational resources, opencourseware, learning portals, and open source software across educational sectors and income levels. Some of you will create and publish a cross-cultural Wikibook. Others will create video blogs, and still others will design YouTube-like videos. Some might even flip their classrooms. Still others will enroll in or perhaps even teach a massive open online course (MOOC).

The syllabus for this course is purposefully long. I refer to it as “the monster syllabus.” I will be your online concierge or guide through masses of online resources. In an age when eyeball-to-eyeball learning is no longer necessary, effective online instructors do not simply teach, but moderate, coach, and assist in the learning process. Today a teacher, trainer, professor, or instructional designer often assumes the role of concierge with a wealth of freely available tools and resources to guide her learners. Or perhaps, after reading through this syllabus, you might be more inclined to call such a person a “curator” of quality content. Still others might focus on the “counseling” skills needed to help guide learners through their assorted instructional options. In this more open twenty-first century learning world, anyone can learn anything from anyone else at any time.

**Course Goals and Objectives**

After the course, students should be able to many of the items below (not all):

1. Explain and demonstrate the educational benefits of emerging learning technologies such as virtual games, augmented reality, synchronous conferencing, online tutorials, podcasts, wikis, blogs, virtual worlds, simulations, social networking software, digital books, mobile books, etc.
2. Track and report on trends related to emerging learning technologies.
3. Frame learning technology trends and issues from broader psychological, social, cultural, and educational perspectives.
4. Critique articles and review books related to emerging learning technologies.
5. Use, recommend, or create online resources and portals in a variety of educational settings.
6. Design an innovative research or evaluation project related to online learning;
7. Successfully submit research, grant, and other proposals related to learning technologies, open education (e.g., open textbooks), MOOCs, e-learning, etc. to conferences, foundations, summits, or institutes.
8. Recognize and potentially contact many of the key players and scholars in the field of online learning, open education, MOOCs, and emerging learning technologies.
9. Consult with organizations to develop strategic plans or evaluate the effectiveness of e-learning courses, programs, and events as well as MOOCs, open education, Web 2.0 technologies, etc.
10. Make recommendations regarding online learning initiatives, programs, and strategies as well as various emerging learning technologies, open educational resources, and innovative and nontraditional forms of educational delivery.
11. Obtain a model, guide, or framework for thinking about new technology tools and resources in education. Use this framework for strategic planning reports, retreats, consulting, and other situations where a macro lens on learning technology and educational reform is needed.
12. Obtain the skills to train fellow teachers as well as learners in emerging learning technologies and pedagogically effective instructional activities and approaches.
Required Texts (none)
Required Videos (you select)
Required Journal Article (you pick from a list)
Nothing required!!! The world of learning should be FREE!

Books that I will refer to (don’t buy them):

Perhaps get this FREE one instead (it is free in English and Chinese):

Curt Bonk’s List of journals in educational technology and related fields:
http://www.trainingshare.com/resources/distance_ed_journals_and_online_learning_books.htm

Curt Bonk’s 27 free 10 minute videos on how to teach online:
“Video Primers in an Online Repository for e-Teaching and Learning” (V-PORTAL)
1. Watch & Find Resources in Bonk’s YouTube Channel:
   http://www.youtube.com/user/TravelinEdMan
2. Read about Possible Uses: http://www.trainingshare.com/keynotes.php#tasel

Technology Tools (we might try out):
Flipgrid: https://info.flipgrid.com/
Kahoot!: https://getkahoot.com/
PhET Interactive Simulations: https://phet.colorado.edu/
Sli.do: https://www.sli.do/

Tentative Tasks and Grading
40 pts  A. Tidbit and Video Reflection Paper (Tidbits: February 26)
40 pts  B. Discussion Moderator (pick a week: http://www.trainingshare.com/r685.php)
40 pts  C. Discussion Participation in Canvas, CN, and Other (due each week)
50 pts  D. Online Discussion and Lecture Reflection Paper (Due: April 23)
60 pts  E. Report or Strategic Plan Analysis (Due: February 26)
70 pts  F. Final: Wikibook, MOOC Project, Video, or Personal Selected Task (Due: April 23)
300    Total Points
Total points will determine your final grade. I will use the following grading scale:

- A+ = 300 high score
- A = 280 points
- A- = 270 points
- B+ = 260 points
- B = 250 points
- B- = 240 points
- C+ = 230 points
- C = 220 points
- C- = 210 points
- F/FN = no work rec’d or signif. inadequate/impaired

Lateness Policy: I usually accept anything turned in within 48 hours of the original due date. After that, students lose 2 points for each day that it is past due without an approved reason.

Directions: Videostreaming live in Zoom and recorded each Monday at 7:00-9:45 pm:
1. From Google Chrome (preferred) or from Firefox.
2. Go to Zoom link: https://iu.zoom.us/j/263198784
3. Type your name.
Videostreaming: Join from PC, Mac, Linux, iOS or Android: https://iu.zoom.us/j/263198784
Telephone: +1 646 558 8656 (US Toll) or +1 669 900 6833 (US Toll); Meeting ID: 263 198 784
Option: Watch the archived recording in Canvas.

Projected Seminar Weekly Topics
Week 1. (January 8) Introduction to the Open World: Visionaries and Visions
Week 2. (January 15) Alternate Reality Learning: AR, VR, Gaming, and Simulations
Week 3. (January 22) Open Textbooks, E-Books, and Digitally Enhanced Books
Week 4. (January 29) The Expansion of Blended and Fully Online Learning
Week 5. (February 5) Extreme, Nontraditional, and Adventure Learning
Week 6. (February 12) Open Educational Resources (OER) and OpenCourseWare (OCW)
Week 7. (February 19) Open Education and Massive Open Online Courses (MOOCs)
Week 8 (February 26) More MOOCs and Open Education Around the World
Week 9. (March 5) Motivation in Informal and Self-Directed Online Learning Environments (including online language learning)
Week 10. (March 19) Connectivism, Social Media, and Participatory Learning
Week 11. (March 26) Interactive, Global, and Collaborative Learning (including wikis and learning spaces)
Week 12. (April 2) Shared Online Video and Audio
Week 13. (April 9) Flipping the Classroom
Week 14. (April 16) Mobile, Wireless, and Ubiquitous Learning
Week 15. (April 23) The Future: Networks of Personalized Learning and AI Agents

Note: Learners and participants in this class can find their own articles for any week of the course and ignore any assigned articles in the syllabus. However, such self-directed participants are asked to place their list of alternative articles found, skimmed, or read during that week in the discussion thread in Canvas for that week. They must also nominate at least one article that they found and/or read that week that is worth assigning next year in this class and explain why they recommend it. Best of luck in your journeys.
Class Tasks

A. Tidbit and Video Reflection Paper (40 points: Due February 26)

Tidbits and Videos (40 points): Besides reading 3-4 assigned articles each week, during the semester, I want you to read at least 80 total tidbits during the semester from the list of tidbit readings or about 5 or 6 per week (preferably more than 80 tidbit articles; about half of which should be from tidbits from weeks in March and April). Typically, these are very short online news or magazine articles. I also want you to watch at least 5 videos listed below related to our course (or similar ones that you find). On February 26, you will turn in a list of your top 40 tidbits read so far (best ones at the top; including at least 10 from March and April...i.e., you must read ahead a bit) and top 2-3 videos watched. You might also note a few tidbits that you did not enjoy. After those lists, I want you to reflect for 1-2 single spaced pages on what you learned from those tidbits. I am not asking you to summarize each article or video; instead reflect on your learning in general. What themes, trends, or concepts were clarified for you? What new insights did you gain? What inspirations did you feel? You might include brief comments at the beginning or end of the paper on why you ranked the tidbits and videos the way you did. I will send an email with examples upon request. Be creative. Take a look at the examples provided. Post your tidbit reflection to Canvas or your Dropbox account or send to me via email.

B. Discussion Moderator (40 points)

Summarizer and Starter Activities Related to the Readings (40 points): At the start of each week, I want one person in the online section of this class to post a short summary to Canvas or Course Networking (The CN) on at least 4 of the main articles assigned for that week. That person is the starter for discussion. Other students will add to their conversation with their reflections and reactions. As a summarizer or starter, you might: (1) state reactions, questions, and suggestions for the upcoming readings; (2) point out the relationship of upcoming week topic or articles to past lectures or readings; (3) discuss the position of a researcher or pioneer in the field (or perhaps even write to him/her); (4) discuss a recent speech or colloquium you attended related to the week or a visit to a technology center or exhibit; or (5) generally relate the articles for the week to prior learning and discussion in the course. At the end of the week, you might react and reflect on the class discussion that transpired as well as the questions and concerns raised. You can sign up for this task at: http://www.trainingshare.com/r685.php

Sample Discussion Moderator Recap:

1. Prezi from Thuy Han for R678 class Week 4 (February 8, 2015):
   https://prezi.com/r4vkqgolkkn9/httpswebarchiveorgweb20040303191129httpwwwwnetco/?utm_campaign=share&utm_medium=copy
2. Jennifer Webeck, April 2, 2015, As an overview of our discussion in bubbl.us:
   https://bubbl.us/mindmap?h=290e70/52e975/26iay7HlVaIyo

C. Participation in Canvas (40 points)

Online student course participation in Canvas (40 points): We will do discussions each week in either Canvas or Course Networking. This is worth 40 points as follows: 36-40 for high participators; 32-36 for medium participators; 28-32 for low participators; and 0-31 for others. Course participation includes contributing to the online discussion in Canvas, sharing resources, responding to peers, providing feedback on tasks and resource recommendations, and so on. While these will be mainly assessed as to the number of posts, I will also take into consideration qualitative factors such as those listed below.

Face-to-Face student course participation in class (40 points): Students in the face-to-face section will participate in class on Monday nights for 40 points as follows: 36-40 for high participators; 32-36 for
medium participators; 28-32 for low participators; and 0-31 for others. Discussion in Canvas or Course Networking is semi-optional. It would be great to post to the online forums at times.

**Participation considerations:**
1. Diversity (some variety in ideas posted, and some breadth to exploration);
2. Perspective taking (values other perspectives, ideas, cultures, etc.);
3. Creativity (original, unique, and novel ideas);
4. Insightful (makes interesting, astute, and sagacious observations).
5. Relevancy (topics selected are connected to course content); and
6. Learning Depth/Growth (shows some depth to thinking and elaboration of ideas);

**D. Discussion and Lecture Reflection (50 points: Due April 23)**

**Discussion and Lecture Reflection Paper (50 points):** At the end of the semester, you are to reflect on what you learned from weekly discussions in Canvas each week as well as from my recorded lectures and discussions that I will deliver each week via videoconferencing. You should include at least 7 of the weeks in your reflection. What were the ideas, issues, concepts, facts, figures, diagrams, etc., that struck a chord with you? What did you learn during the semester? How did your thinking change in a particular week or over time? What inspired you? What did you find disappointing? What is next?

Using these questions as a guide, please write a 3 page single-spaced reflection paper (not counting any references, appendices, or tables created) on this activity by April 23rd (50 points). Though not required, it would help if you included a fourth page with a recap table, chart, figure, or some type of summary of key themes, concepts, terms, etc., mentioned in the reflection paper. This is to be a meta-reflection of your growth in the course, unique learning insights, personal gains, etc., at least in part, from your weekly discussions and responding to your peers. What were the key concepts you grappled with this semester? How has your thinking evolved? What are the gaps in the research that you might target now? What weeks or particular articles inspired you and why? Post your reflection paper to Canvas or your Dropbox account or send to me via email.

**Reflection Paper Grading Criteria (50 Points; 10 points each):**
1. Relevancy to class: meaningful examples, relationships drawn, interlinkages, connecting weekly ideas.
2. Insightful, Interesting, Reflective, Emotional: honest, self-awareness, interesting observations
3. Learning Depth/Growth: takes thoughts along to new heights, exploration, breadth & depth, growth.
5. Connections: linking threads in the discussion, lectures, and readings.

**Storify Reflection:**

**E. Report or Strategic Plan Analysis or Naturalistic Study or Critique or Other (60 pts—Due February 26; preferred to be done as a team, unless approved by the instructor)**

**Midterm Option 1. Summary Report or Strategic Plan Evaluation, Critique, and Extension**
Find and evaluate a summary report, technical report, or a strategic plan of a company, university, non-profit organization, school, state, province, country, or region related to e-learning, blended learning, mobile learning, or emerging learning technologies of some type and critique it. For
instance, you might pick the state or country where you were born or perhaps where you plan to live after graduation. You might find the strategic plan online or request a hardcopy version. I want you to not simply read and critique the report but to also interview someone who created it or is/was affected by that report. You might discuss and critique the online learning technologies highlighted, proposed pedagogical plans, intended training methods, targeted skills or competencies, or evaluation methods detailed. You might visit the institution or organization or write someone an email. What might this organization do differently in planning for e-learning or using some emerging learning technology? What are its competitors doing, for instance? Has there been an update? You are encouraged to work in teams on this report. When done, you will present an overview of the report to the class. Testimonials, graphs and trends of indicated growth, comparisons, and other data or handouts are welcome. You are also encouraged to directly contact the organization that developed the report or plan and receive additional product information (e.g., DVDs, brochures, white papers, technical reports, product comparison sheets, videotapes, company annual report, customer testimonies, data sheets, Web site information, etc.). Your evaluation, critique, and extension paper should be 4-6 single-spaced pages (excluding references and appendices; those working in teams are expected to have 7-10 single spaced page papers, not counting references and appendices). Please post it to your Canvas or to your Dropbox account or send to me via email on or before February 26th.

Sample reports:
2. United States National Education Technology Plan: https://tech.ed.gov/netp/

Summary Report/Strategic Plan Grading (10 pts for each of the following dimensions)
1. Review of Plan or Document (clarity, related to class, organized, facts, data, relevant, style)
2. Relevant Resources and Digging (citations/refts, linkages to class concepts, extensive)
3. Soundness of Critique (depth, clear, complete, practical, detailed, important, coherence)
4. Creativity and Richness of Ideas (richness of information, elaboration, originality, unique)
5. Knowledge of Topic (learning breadth & depth, growth, displays understanding of topic)
6. Recommendations, Insights, and Implications (contains relevant recommendations, guides)

Midterm Option 2. Naturalistic Study
You have options to the midterm. For instance, you might perform a case study or pilot observation of workers, students, etc. using tools or instructors interacting with employees, students, other instructors, etc. while they use a web-based learning tool, resources, project, or curriculum application. For instance, you might decide to complete a case study of a child, young person, or adult using a particular learning tool for the first time. Such naturalistic studies should include at least five careful observations and commentary of the person and tutor/teacher. The commentary should reflect your learning and provide insights as to how to
make this tool more educationally meaningful. If you are looking at student-teacher-tool interaction patterns, teacher guidance, or simply tool use, you will need to design coding schemes and observation log sheets to help interpret tool functionality in this environment.

When done with your brief study, you might interview an instructor, learner, instructional designer, or some other person in that environment about the phenomenon that you observed. Interviewees might come from corporate, K-12, military, government, or higher education settings. These optional interviews can be live (face-to-face), via videoconferencing, phone- or Skype-based, or conducted through email.

Your naturalistic study report should be 4-7 single-spaced pages (excluding references and appendices; those working in teams are expected to have 7-10 page papers, not counting references and appendices). In your report, I want you to reflect on what you learned about e-learning from this assignment. How has it opened your eyes? What might you have done differently next time in your study? What recommendations do you have and what implications do you see? How might you put your new ideas to use in training programs or in your own future teaching? Please post it to Canvas or your Dropbox account or send to me via email on or before February 26th.

**Sample Format Naturalistic/Research Activities:**

I. Title Page (Name, affiliation, topic title, acknowledgements)
II. Topic Literature and Method
   1. Res topic & materials;
   2. Brief stmt of problem and why imp
   3. Brief review of the relevant literature
   4. Methods:
      a. Subjects & design (i.e., who/how selected);
      b. Materials/setting (i.e., hard/software, text)
      c. Procedure (i.e., how data was obtained)
      d. Coding Schemes & Dep. meas/instr (i.e., how segment/code data);
      e. Analyses or comparisons
III. Results and Discussion
   1. Preliminary Results;
   2. Discussion of results
IV. References (APA style: see syllabus for example)
V. Appendices (e.g., pictures, charts, figures, models, tests, scoring criteria, coding procedures)

**Sample Grading of Major Project (60 Total Points or 10 pts each dimension):**

1. Review of the Problem/Lit/Purpose (interesting, relevant, current, organized, thorough, grounded)
2. Hypothesis/Research Questions/Intentions (clear, related to class and theory, current, extend field)
3. Method/Procedures (subjects/age groups approp, materials relevant, timeline sufficient, controls)
4. Research Activity/Design/Tool (clear, doable/practical, detailed, important)
5. Overall Richness of Ideas (richness of information, elaboration, originality, unique)
6. Overall Coherence and Completeness (unity, organization, logical sequence, synthesis, style, accurate)

**Midterm Option 3: Review or Critique**

A third option is to review and critique a special journal issue, a special conference symposium or summit, or edited book related to any week of this course. What are the strengths and weaknesses of it? Why or why not would you recommend that others read or explore it? How does the content of it relate to R678 content? If you choose this option, please run the special issue, symposium, summit, or book that you selected by the instructor. This critique will be a 4-6 page single spaced report. This is due Monday February 26th.
Note: See below for examples of special issues on Massive Open Online Courses (MOOCs) that you might read and critique. These special issues are from the *Journal of Online Learning and Teaching* (JOLT) and the *International Review of Research on Open and Distributed Learning* (IRRODL).

- JOLT: June 2013, 9(2), [http://jolt.merlot.org/Vol9_No2.htm](http://jolt.merlot.org/Vol9_No2.htm)
- JOLT: March 2014, 10(1), [http://jolt.merlot.org/Vol10_No1.htm](http://jolt.merlot.org/Vol10_No1.htm)
- January 1, 2015, Comunicar: Media Education Research Journal, 22(44)
  - Dr. Manuel Cebrían-de-la-Serna - University of Malaga – Spain, and Dr. Philip Desenne - Harvard University - USA

**Midterm Option 4: Software or Technology Tool Review**

In the fourth option, you are to review at least 3 emerging technologies for learning. What are the key features? How could they each impact on education? What skills do they potentially enhance? What audience do they each serve? Who are the stakeholders? List at least 5 pedagogical ways in which each of these tools or applications can be used in education or training? For each emerging technology, please identify at least 3 features you like best and explain why and how these features can foster or enhance teaching and learning. Please also list at least 3 features you think need improvement and detail why and what can be done to add, modify, change, or delete different features. You should also detail how you would redesign these technology tools or products to improve them for educational use if you were the educational product designer. This review will be a 4-6 page single spaced report (excluding references and appendices; those working in teams are expected to have 7-10 single spaced page papers). This is due Monday February 26th.

For a list of emerging educational technology companies, please see:

Midterm Option 5: Other (requires instructor approval)
Other options to the midterm might be grant proposals, research interventions (as opposed to observations), technology tool design proposals, curriculum integration plans, or conference research papers. If one of these appeals to you, please write to the instructor for additional information and guidance. This is due Monday February 26th.

F. Web 2.0 Final Project (70 points—Due April 23; project recommended to be conducted with a partner, unless approved by the instructor)

Option 1. Wikibook Online Work (WOW)
In this option, you help with a Wikibook related to emerging technologies. About seven years ago, students from five universities designed a wikibook on “The Web 2.0 and Emerging Learning Technologies” (The WELT); see http://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies. If you write a unique chapter for the WELT, it should be a minimum of 2,000 words. A 2-3 page reflection paper (3-4 pages if with a partner) on what you learned from this wikibook activity needs to be included (not counting references and appendices). Describe what you learned from the task including specific course concepts and ideas mentioned in your chapter as well as ideas related to the social construction of knowledge. Attached to your reflection paper will be documentation of what you contributed to the wikibook, including your chapter (with highlights or special notations of your contribution), highlights to the chapters worked on, and perhaps even print outs of the wikibook chapter editing history. Your paper and chapter will be graded according to the dimensions listed below.

Example:
Robert Halford, Spring 2015, Wikibook Chapter on Professional Development:
https://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies/Professional_Development#Technology_as_a_tool_for_learning
Greg Snow, Korea, Spring 2016, Wikibook Chapter on Virtual Reality,
https://en.wikibooks.org/wiki/Virtual_Reality
Luci Mello, April 26, 2017, Mobile Learning (mash-up),
https://www.softchalkcloud.com/lesson/serve/eqPryOTbxGsCmr/html
https://en.wikibooks.org/wiki/Mobile_Learning

Wikibook Grading (60 Total Points or 10 pts each dimension):
1. Chapter and reflection paper relevance: Contribution is meaningful to class, we learn from it
2. Chapter and reflection paper coherence: flow, well organized, good layout, enjoyable to read
3. Chapter and reflection paper completeness: Sufficient coverage of info, extends topic and class
4. Overall chapter creativity: Original and distinctive ideas, insightful points, something unique in it such as a figure, model, graph, timeline, comparison chart, acronym, quote or set of quotes, etc.
5. Overall reflection paper insightfulness, depth of thought, flow, informational content, etc.
6. Shared and discussed in Canvas and in Class
7. Overall quality of assignment

Option 2. Cool YouTube Video Creation
So you want to be cool? You want to be creative? In this option, you are to create a shared online
video (e.g., YouTube) related to this class. You cannot be the only person in it. What do different topics in this course mean to you? Alternatively, you can design a YouTube video for someone else. You should post this video of at least 5 minutes in length. You will turn in a 2-3 page single-spaced summary reflection of your design (3-4 pages if with a partner). Your video and paper will be graded according to the dimensions listed below.

Video Grading (70 Total Points or 10 pts each dimension):
1. Insightfulness, creativity, and originality;
2. Design and visual effects;
3. Coherence and logical sequence;
4. Completeness;
5. Relevance and accuracy of the content;
6. Shared and discussed in Canvas and in class;
7. Overall quality of assignment

YouTube Video Final Project Examples (from R685 from 2010, 2011, 2012, 2016, etc.):
1. Cesur Dagli (Animal perspectives on course): [http://www.youtube.com/watch?v=cDeTEIdO5lc](http://www.youtube.com/watch?v=cDeTEIdO5lc)
2. Julie Rust (Participatory Learning): [http://www.youtube.com/watch?v=cHx_SbRWW0M](http://www.youtube.com/watch?v=cHx_SbRWW0M)
3. Lisa Yoder (eLearning a Walk in the Park): [http://www.youtube.com/watch?v=paot_zzG_wU](http://www.youtube.com/watch?v=paot_zzG_wU)
4. Lynn Deno: Tech, Enhancing Home School: [http://www.youtube.com/watch?v=ts45BkAnqTs](http://www.youtube.com/watch?v=ts45BkAnqTs)
5. Mag Webber (Virtual Learning - Is it for You?): [http://www.youtube.com/watch?v=xiwSfryPzsQ](http://www.youtube.com/watch?v=xiwSfryPzsQ)
6. Miguel Lara (Web 2.0 FREEDOM): [http://www.youtube.com/watch?v=8cmCFWj9Iw8](http://www.youtube.com/watch?v=8cmCFWj9Iw8)
7. Olgun Sadik (R685 overview): [http://www.youtube.com/watch?v=unaBQIqVo8Y](http://www.youtube.com/watch?v=unaBQIqVo8Y)
8. Shuya Xu and Yue Ma (Blog my online lrng): [http://www.youtube.com/watch?v=im7GQM9fzkc](http://www.youtube.com/watch?v=im7GQM9fzkc)
13. Troy Cockrum, April 2016, The Making of an Adventurer (video), [https://www.youtube.com/watch?v=ew6e7Che29I8](https://www.youtube.com/watch?v=ew6e7Che29I8)
15. Rosanne Samir, May 3, 2017, Schultz-Zaki Interview - Global Collaboration in Egypt [https://vimeo.com/215838867#t=0s](https://vimeo.com/215838867#t=0s)

Option 3. R685/R678 Course Syllabi Historical Evaluation:
Perhaps, like me, you like history. A version R678 was first co-taught at West Virginia University by Dr. W. Michael Reed and myself back in the fall of 1990. Since that time, this course has evolved into many formats. Below are links to more than a dozen syllabi from the course including the present one. Unfortunately, I have yet to locate the original version but did find an outline of the topics addressed. If you select this option, I want you to track the history of this course over time. For instance, you might explore the topics, people, concepts, etc., that were popular in the 1990s, 2000s, and today. You will turn in a 4 to 6 page single spaced paper on what you discovered (7-10 pages with a partner); not counting references and appendices. Additional pages may be attached such as reference lists, visuals depictions mapping out trends over time, correspondences with researchers about their articles from previous versions of the
course, and interviews with scholars about their perceptions of changes in the field over time. You might, in fact, gather oral histories or accounts from experts as well as former students about how the field has changed.

Many questions can be asked. Among them, are there any topics that remain popular over the past two decades? How did the focus of this course change over time? Is this course more or less important today than it was back in the 1990s? Is the total number of pages any indicator of how the field has changed? If so, in what ways? Please compare the tasks from 1995 to those in 2001 or 2002 as well as 2010, 2012, 2013, 2015, and 2016. Please look at the books, journals, new sources, online resources, etc. that now comprise this course and note how they have changed over time. Is there anything from the 1990s that remains important today and should be added back to the current syllabus? Are there any tasks, activities, or articles that you found interesting and want to know more about? Is there anything that remains missing despite the fact that the current syllabus is now over 60 pages long? What do see about the field of education or educational technology from browsing through these syllabi and resources?

You should end your paper with 1-2 page single spaced reflection of your own learning in this course. Included in that summary should be an account of what inspired or mattered to you. In addition, you might reflect on the areas wherein you learned or grew the most during the semester.

Sample Prior P600/R685/R678 Syllabi:

History Evaluation Grading (70 Total Points or 10 pts each dimension):
1. Insightfulness, creativity, and originality;
2. Learning growth displayed;
3. Coherence and logical sequence;
4. Completeness and fulfills spirit of the assignment;
5. Relevance and accuracy of the content;
6. Shared and discussed in Canvas and in class;
7. Overall quality of assignment
Option 4. Analysis of Issues and Challenges in the Field of Learning Technologies:
In this option, you will identify and briefly outline 10-20 key issues in the field (e.g., institutional supports for nontraditional learners, corporate recognition of microcredentials and nanodegrees, faculty awareness of open textbooks and OER, cost effectiveness and consumer utility of virtual and augmented reality, teacher training for online and blended forms of learning; instructional design challenges for MOOC instructors and the instructional support team, etc.). What are the issues that you have noticed when doing the readings for this class, watching the videos, talking to your peers, and attending the lectures? What are some open research questions? To create an historical context for your paper, you might indicate in a timeline when each of these issues arose or potentially make become more salient in the future. You will turn in a 4-6 single spaced paper if working alone and 7-10 page paper if with a partner (plus any references, charts, graphs, appendices, etc.) on the issues and challenges in the field of emerging learning technologies. Meina Zhu and I want to know if you have a grasp of the key issues. We also want to know what your role might be in resolving these challenges or issues after graduation. Among these issues and challenges, choose one or two that you are highly interested in or want to address most and describe your possible plan on addressing them or map out some possible future research. Finally, please do not limit your references to our assigned course readings. You are encouraged to add at least half of your references from articles, books, and other resources that are not listed in our class readings. A minimum of 15 references should be used. Please follow APA guidelines when writing your paper.

Option 5. Student Selection Option (e.g., Usable Class Product):
Students choosing Option 4 might design their own final project or combine ideas together into something truly unique (i.e., a mash-up). As part of this effort, they might create or perform a meaningful activity for the class. For example, you might summarize the learning principles embedded in different articles or readings for each week of the course. Or, they might create a unique categorization scheme of the technology tools and resources studied during the semester. The more ambitious of you might create an interactive multimedia glossary or comprehensive Website for the course as an individual or as part of a team. Still others might create an online database of articles from two or more open access journals related to emerging learning technologies including links to the major themes and trends in those journals over a significant period of time (e.g., 3-5 years).

There are still more options. Among them, you might create a mobile application, an educational activity in a virtual world, an interesting global collaboration activity or partnership, or a mobile book. Others might organize a class mini-conference or real conference symposium or demonstrate a set of e-learning tools to your school, company, or organization and then reflect on it. Such tools might have relevance in K-12, military, corporate, or higher education settings or perhaps in more informal settings such as a museum, zoo, or computer club.

You might also engage in a major problem-based learning project related to this class with a school, company, organization, or institution. In this option, you make the contact and find out what needs to be resolved and then get it approved by the instructor. The final product might be a distance learning evaluation project. It might involve the design of e-learning tools and resources. It might entail the creation of a strategic plan, white paper, or vision statement. Whatever the
problem or task, it must be authentic. Anyone selecting this option should include a 2-4 page single-spaced reflection paper on what you learned; slightly longer with a partner (not counting references and appendices). Note: any final project report to an organization or institution can substitute for that final reflection paper. The grading scheme will be project specific.

**Student Selected Option Examples:**

1. Abdullah Altuwaijri (Prezi on class): [http://prezi.com/8h7grxlyaymv/the-world-is-open/](http://prezi.com/8h7grxlyaymv/the-world-is-open/)
7. Jeff Pankin, MIT, Prezi, Emerging Learning Technologies: [http://prezi.com/tzbawrgjznf/emerging-learning-technologies/?auth_key=4ec2f45a718fab699b35ea460e91a46d9e1bdac7](http://prezi.com/tzbawrgjznf/emerging-learning-technologies/?auth_key=4ec2f45a718fab699b35ea460e91a46d9e1bdac7)
10. Jill Kaufman, April 26, 2015, The World is Open, [https://www.youtube.com/watch?v=ZRGV0Mg5Vmw&feature=youtu.be](https://www.youtube.com/watch?v=ZRGV0Mg5Vmw&feature=youtu.be)
11. John Falchi, March 12, 2016, Timeglider, An Abbreviated History of Distance Education [http://timeglider.com/t/50843d8903a48008?min_zoom=1&max_zoom=100](http://timeglider.com/t/50843d8903a48008?min_zoom=1&max_zoom=100)

**Volunteerism Note:** If you want to volunteer your services as part of your final project, you might check out Designers for Learning: [http://designersforlearning.org/](http://designersforlearning.org/)

**Option 6. OpenCourseWare (OCW) or MOOC Review Option**

Recently, there is a huge explosion of open educational contents. Among these new learning resources are open educational resources (OER), OpenCourseWare (OCW), and massive open online courses (MOOCs). OCW and OER typically are freely available contents without direct contact with instructors. MOOCs are instructor-driven courses which are usually free and open to the world community, thereby involving large enrollments. An optional assignment idea for this class is to explore or enroll in one or two massive open online courses (MOOCs) related to learning, cognition, and instruction. Even if you do not select this task, you might explore a few of these MOOCs and observe how they are conducted. And then reflect, reflect, reflect!

You could replace the midterm or final by enrolling in one or more MOOCs and writing a 2-4 page single spaced reflection paper (4-6 pages with a partner) on what you learned as it relates to various topics from this course (not counting references and appendices). Note: you might include a recap table or chart at the end summarizing key concepts or ideas mentioned in your paper. You would NOT have to complete the course; just sit in and lurk if you want. Your MOOC review paper should include your insights about the
learning environment and learning theories relied upon as well as a few specific examples of instructional tasks and ideas from the course. It will be graded for: (1) connections to course content; (2) coherence and organization; and (3) overall insights and conceptual understandings.

If you complete the course or get a certificate (Coursera calls these “Signature” courses), you can replace your final assignment. Even if you do not complete a MOOC, you could replace your final assignment if you write a longer reflection paper or extend the assignment in some way (e.g., interview the MOOC instructor(s) about their instructional approaches and beliefs about learning; interviewing other participants/students taking this course about their learning experiences; etc.). As part of these efforts, you might also explore some of the open educational portals and contents listed in your syllabus or that you find online.

Some questions you might ask before writing your paper:

- What is the overall feel of this learning environment? Is there any particular learning approach or philosophy that you feel or experience?
- What aspects of learning and instruction are addressed in this MOOC or by this open educational resource? Stated another way, what theory of learning and instruction does the instructor or the course design tend to rely upon?
- What learning theory or perspective might be used to improve the course? How might you improve this course if asked?
- Are there any specific learning concepts and principles embedded in any module or in multiple modules of the course?
- How does the MOOC utilize existing OER content? How might it better take advantage of such resources?
- Which tasks or activities seem most effective and why? What are the most creative?
- What is the least effective aspect of this course and why?
- What aspects of learning and instruction or theoretical perspective do you understand better now? And why?

Portals to MOOC courses:

1. MOOC Provider Companies and Organizations:
2. Canvas: https://www.canvas.net/
3. Coursera list of courses: https://www.coursera.org/courses?orderby=upcoming
5. edX courses: https://www.edx.org/course-list
6. FutureLearn: https://www.futurelearn.com/courses/upcoming
7. iversity: https://iversity.org/
8. NovoEd: https://novoed.com/
11. Open2Study: https://www.open2study.com/
12. Udemy: https://www.udemy.com/

MOOC Lists:

1. Class Central: https://www.class-central.com/subject/education
2. The MOOC List: http://www.mooc-list.com/
3. Open Culture: http://www.openculture.com/free_certificate_courses
4. TechnoDuet: http://www.technoduet.com/a-comprehensive-list-of-mooc-massive-open-online-
MOOC Review Grading Criteria if a Final Project (70 Points; 10 points each):

1. **Insightful/Originality**: innovative ideas, insightful relationships drawn about MOOCs and open education, helps the reader form new understandings about MOOCs.
2. **Interesting**: engaging writing, unique perspective on MOOCs and open education.
3. **Completeness**: thorough, detailed, dig deep, effort, fulfills spirit of the assignment.
4. **Relevance**: concepts and ideas from MOOC experience appropriate and related to class, perhaps includes a recap list or summary table of what learned.
5. **Content**: learning displayed, made several key connections to class from MOOC experience, highly informative reflection (helps the reader form new understandings).
6. **Exploratory and Reflective**: pushing out, metacognitive, reflecting on oneself as a learner or on how fellow learners benefit from MOOCs, shows that one was reflecting on the experience both as a learner as well as in light of the content of this class.
7. **Coherent, Logical Flow, and Well Organized**: easily read, transitions, conclusions, logical flow to the critique or review of MOOCs or MOOC experience, well organized review, sequence of ideas makes sense.
8. **I will also look for**: breadth/depth of thought, knowledge growth displays, understands theories, concepts, and principles in relation to the MOOC experience. And I will want to see some critical thinking displayed including sound analysis and evaluation of instructional approach taken in MOOC, logical, backs up claims.

**Grading Note #1**: I will use a rubric for the above. Write me an email if you would like to see that rubric.

**Grading Note #2**: Extra consideration (and the potential for bonus points) given for those who cite references on MOOCs or open education, create a summary or recap table of terms or concepts mentioned in their reflection paper, participate in more than one MOOC, and those who actually complete the course. Summary or recap tables are especially welcome.

**Class Sharing of Final Projects**: If possible, I would like you to post your final projects to Canvas (my instructional assistant, Meina Zhu, can help). In addition, during our final class session on April 23, some people “might” briefly share their final projects. Online students, do not have to worry about the presentation part. I will contact you ahead of time if needed. But I do take volunteers.

**Weekly Reading Requirements**

We will read 3-4 main articles and 5-6 tidbits per week and watch some of the embedded videos—it is your choice what to read.

**Projected Seminar Weekly Topics:**

**Week 1. (January 8) Introduction to the Open World: Visionaries and Visions**


   
   **Note:** The above three sections of the book are combined and available at: [http://publicationshare.com/pdfs/World%20is%20Open_2011_Prequel_and_Postscript_for_paperback_and_Foreword_for_China.pdf](http://publicationshare.com/pdfs/World%20is%20Open_2011_Prequel_and_Postscript_for_paperback_and_Foreword_for_China.pdf) and [http://publicationshare.com/1](http://publicationshare.com/1)

5. Charles A. Wedemeyer, University of Wisconsin
   c. A Brief History of Distance Education: [http://www.seniornet.org/edu/art/history.html](http://www.seniornet.org/edu/art/history.html)
   d. In Memorandum: [http://www.tandfonline.com/doi/abs/10.1080/08923649909527031#preview](http://www.tandfonline.com/doi/abs/10.1080/08923649909527031#preview)

   "The Mother of All Demos" is a name given retrospectively to Douglas Engelbart's December 9, 1968, demonstration of experimental computer technologies that are now commonplace. The live demonstration featured the introduction of the computer mouse, video conferencing, teleconferencing, hypertext, word processing, hypermedia, object addressing and dynamic file linking, bootstrapping, and a collaborative real-time editor.”
   a. The Mother of All Demos, presented by Douglas Engelbart (1968) Original Video on YouTube (140:52): [https://www.youtube.com/watch?v=yJDv-zdhzMY](https://www.youtube.com/watch?v=yJDv-zdhzMY)

**Videos:**
   a. **Videos:** July 12, 2017, re:Learning on Video (various expert interviews), Goldie

b. Video (11:34), April 13, 2016: The Fourth Industrial Revolution: https://www.youtube.com/watch?v=kjhY5LWF3tg


Week 1 Tidbits:


Video 1:04: http://curtbonk.com/berners-lee.html

i. January 3, 2017, College is Over, Roger Schank, LinkedIn, https://www.linkedin.com/pulse/college-over-roger-schank/


Week 2. (January 15) Alternate Reality Learning: VR, AR, Gaming, and Simulations


Videos:

a. **Video** (2:02), January 12, 2015: Microsoft HoloLens - Transform your world with holograms: [https://www.youtube.com/watch?v=EOJyRJKquku](https://www.youtube.com/watch?v=EOJyRJKquku)

b. **Osso VR**: [http://ossovr.com/](http://ossovr.com/) and **(50 second video)**: [https://www.youtube.com/watch?v=yes_GEtIa6o](https://www.youtube.com/watch?v=yes_GEtIa6o)


Week 2 Tidbits:


**Video 1:43**: [http://curtbonk.com/toysrus.html](http://curtbonk.com/toysrus.html)


20


1:38 video (virtual reality chemistry): [https://vialogues.com/vialogues/play/38337](https://vialogues.com/vialogues/play/38337)


Video (1:09): [https://www.youtube.com/watch?v=-DYqlaMWTVg](https://www.youtube.com/watch?v=-DYqlaMWTVg)


Some virtual world and gaming people:
1. Craig Kapp, Clinical Professor, NYU, http://cims.nyu.edu/~kapp/; kapp@cs.nyu.edu (AR/VR pop-up books) (keynote at E-Learn in Hawaii in 2011)
2. Dr. Michael Young (was Sasha’s advisor), University of Connecticut, http://education.uconn.edu/person/michael-young/; michael.f.young@uconn.edu; web2.uconn.edu/myoun/
3. Dr. Kurt Squire, https://www.gameslearningso ciety.org/bio_kurt.php; https://website.education.wisc.edu/kdsquire/; kdsquire@education.wisc.edu
4. Dr. Constance Steinkuehler, Co-Director, Associate Professor, Education, Games Learning Society, http://www.gameslearning society.org/bio_constance.php; steinkuehler@wisc.edu
6. Dr. Bonnie Nardi, UC Irvine, nardi@uci.edu; http://www.artifex.org/~bonnie/ (known for ethnography and virtual worlds and activity theory and human-computer interaction); https://mitpress.mit.edu/authors/bonnie-nardi
7. Dr. Sara de Freitas, Pro Vice Chancellor (Learning and Teaching), Murdoch University, Australia, http://www.serious gamesinstitute.co.uk/applied-research/Sara-de-Freitas.aspx; S.deFreitas@murdoch.edu.au (formerly head of the Serious Gaming Center in Coventry, UK; see also http://www.serious gamesinstitute.co.uk/applied-research/Sara-de-Freitas.aspx)
8. Dr. David Gibson, Curtin University, Australia, David.C.Gibson@curtin.edu.au; http://oasisapps.curtin.edu.au/staff/profile/view/David.C.Gibson
9. Dr. Karl Kapp, http://karlkapp.com/, karlkapp@gmail.com (gamification books) (Keynote at the Madison conference in August)
11. Clark Aldrich, ShortSims, http://www.shortsims.com/, clark@clarkaldrichdesigns.com

Week 3. (January 22) Open Textbooks, E-Books, and Digitally Enhanced Books
Articles in this issue include:


(also see the briefer Campus Technology explanation, Dian Schaffhauser, November 11, 2015: https://campustechnology.com/articles/2015/11/10/major-study-finds-oer-students-do-just-as-well-or-better.aspx


Note: Rajiv Jhangiani, Surrey, BC, Canada, rajiv.jhangiani@kpu.ca, teaches psychology at Kwantlen Polytechnic University.
University Homepage: http://www.kpu.ca/arts/psychology/faculty/rajiv-jhangiani
Personal Homepage: https://thatpsychprof.com/
Publications: https://thatpsychprof.com/scholarship/open-education/

Free book:

Videos:

Week 3 Tidbits:
   c. August 2, 2017, OpenStax Saved 1 Million Students $70 Million, Mark Lieberman,

25
Program makes digital textbooks cost less and do more, grows 56 percent, Indiana University
April 6, 2017, Indiana University's eText program saves students over $3.5 million

Technology, April 6, 2017, University's eText program saves

News, April 10, 2017, University's eText program saves

Higher Education, April 24, 2017, A new value proposition for open textbooks

Hurley, eCampus News, Available:


n. May 5, 2017, Dean: Here’s how eTextbooks are leading to higher completion rates. Tracy Hurley, eCampus News, Available: https://www.ecampusnews.com/campus-administration/etextbook-completion-rates/


q. April 6, 2017, University’s eText program saves students over $3.5 million, Campus Technology, https://campustechnology.com/articles/2017/04/06/indiana-u-students-save-3-5-million-through-digital-textbook-program.aspx

r. April 6, 2017, Indiana University’s eText program saves students over $3.5 million (Program makes digital textbooks cost less and do more, grows 56 percent), Indiana University Newsroom, https://itnews.iu.edu/articles/2017/indiana-universitys-etext-program-saves-students-over-3-5-million.php
s. April 4, 2017, The open educational resources movement is redefining the concept of online textbooks, Suzanne Bowness, University Affairs, http://www.universityaffairs.ca/features/feature-article/open-educational-resources-movement-redefining-concept-online-textbooks/


Videos and Resources:


b. Dr. Richard Baraniuk - OpenStax: An Open Education Case Study, University of Houston, November 2016 (26:00 minute mark): https://vimeo.com/190730802


d. September 2, 2014, LearningField Case Study: Penleigh and Essendon Grammar School, Melbourne, https://www.youtube.com/watch?v=oBemtFTDF1g#t=146

E-Book Resources and Companies (mobile ones too):

2. BCCampus, OpenEd: https://www.ecampusontario.ca/
3. Beyond Textbooks: http://beyondtextbooks.org/
5. Bookshare: An accessibility online library for people with disabilities: https://www.bookshare.org/
7. CK-12 Foundation: http://www.ck12.org/student/
Week 4. (January 29) The Expansion of Blended and Fully Online Learning


   i. Note: See also Reports from the Innosight Institute: https://www.christenseninstitute.org/publications/classifying-k-12-blended-learning-2/

   ii. Blended Learning Universe, Clayton Christensen Institute: https://www.youtube.com/channel/UCWoz9cN2KT93VujFmGqL8MQ; http://blendedlearning.org/


Note recent book:
Blended Learning Videos:

      http://www.cetconnect.org/education/blended-learning-k12-schools/
   ii. Blended Learning in Practice (10:15):
      http://www.cetconnect.org/education/blended-learning-practice/

2. October 2008 STARLINK program on blended learning in higher education (Curt Bonk and 3 other college Faculty). Strategies from the Front Line: Best Practices from Hybrid Instructors, filmed in Dallas for a STARLINK program on blended learning. STARLINK is an agency of the Texas Association of Community Colleges.
   http://www.trainingshare.com/starlink4.html#c8

3. February 2009 STARLINK program on best practices and tips for online learning in higher education (Curt Bonk). Award-winning Tools, Tips, and Techniques for Online Instruction. It features successful teaching strategies and demos that award winning instructors have found to be their best practices.
   http://www.trainingshare.com/starlink4.html#h9

4. January 2010 STARLINK program on applying the Web 2.0 in higher education (Curt Bonk). Utilizing Web 2.0 Applications for Teaching and Learning and also Technology and Retention.
   http://www.trainingshare.com/starlink4.html#k10

Week 4 Tidbits:

a. January 10, 2018, Online degree programs offered by IU highly ranked by U.S. News and World Report, IU Bloomington Newsroom


   http://ij4d.org/index.php/ij4d/article/view/236/212 and
   http://ij4d.org/index.php/ij4d/article/view/236/214

   http://ij4d.org/index.php/ij4d/article/view/225/211 and

e. December 22, 2017, #6: Report: Millions of students reveal surprising online learning trend, Meris Stansbury, eCampus News,
   https://www.ecampusnews.com/featured/featured-on-ecampus-news/6-surprising-online-trends/?all


g. December 1, 2017, Sunny Forecast for Learning in 2018, Chief Learning Officer, Mike Prokopeak, Vice President and Editor in Chief,


k. Online Degree at America’s Top Universities, Priceonomics Data Studio, https://priceonomics.com/the-rise-of-the-online-degree-at-americas-top/


mm. January 5, 2016, Examine the Benefits, Drawbacks of Online Learning for Introverts (interview with Curt Bonk and others), U.S. News and World Report, Jordan
Friedman
http://www.usnews.com/education/online-education/articles/2016/01/05/examine-the-benefits-drawbacks-of-online-learning-for-introverts


oo. August 12, 2015, The “Netflix” model comes to online education


rr. February 5, 2015, Time, Starbucks For America, Rana Foroohar,
(or: [http://unchartedterritory.blog.fc2.com/blog-entry-1121.html](http://unchartedterritory.blog.fc2.com/blog-entry-1121.html))

ss. February 5, 2015, The MOOC Hype Fades, in 3 Charts, Steve Kolowich, The Chronicle of Higher Education


a. Video: January 21, 2015, Bill & Melinda Gates: Our Big Bet [https://www.youtube.com/watch?v=7DmpncBDibA](https://www.youtube.com/watch?v=7DmpncBDibA)


zz. Curtis J. Bonk (2009, October 19). The Wide Open Learning World: Sea, Land, and Ice Views. Association for Learning Technology (ALT) Online Newsletter, Issue 17, [http://archive.alt.ac.uk/newsletter.alt.ac.uk/newsletter.alt.ac.uk/1h7kpy8fa5s.html](http://archive.alt.ac.uk/newsletter.alt.ac.uk/newsletter.alt.ac.uk/1h7kpy8fa5s.html)

Week 5. (February 5) Extreme, Nontraditional, and Adventure Learning


33
2. Miller, C., Veletsianos, G., & Doering, A. (2008). Curriculum at forty below: a phenomenological inquiry of an educator/explorer’s experience with adventure learning in the Arctic. *Distance Education*, 29(3) 253-267. (Note: must have access from library for this article: [http://www.tandfonline.com/doi/pdf/10.1080/01587910802395789](http://www.tandfonline.com/doi/pdf/10.1080/01587910802395789) another link to it: [http://www.tandfonline.com/doi/abs/10.1080/01587910802395789](http://www.tandfonline.com/doi/abs/10.1080/01587910802395789) (see download PDF link)


**Week 5 Tidbits:**


e. July 19, 2017, Why some groups are rich and others are poor…my MOOC platform dreams (III), Jim Ngei, Healing Focus, https://medium.com/healing-focus/why-some-groups-are-rich-and-others-are-poor-my-mooc-platform-dreams-iii-34e4e2bbd3
o. Faith Karimi, May 14, 2016, Learning is more Immediate…Mastodon bones offer clues of earliest humans in North America, CNN Abstract: http://advances.sciencemag.org/content/2/5/e1600375
Full Article: http://advances.sciencemag.org/content/2/5/e1600375.full
Supplemental materials (PDF): http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1
PDF: http://advances.sciencemag.org/content/advances/suppl/2016/05/10/2.5.e1600375.DC1/1
600375_SM.pdf
s. March 15, 2016, French woman aged 91 gets PhD after 30 years, The Guardian (Colette Bourlier, who awarded a high distinction for her thesis on immigrant workers, said it took so long because she ‘took breaks’),

t. February 15, 2017, The Kentucky Startup That Is Teaching Coal Miners to Code
Prachi Patel, IEEE Spectrum,
http://spectrum.ieee.org/energywise/energy/fossil-fuels/the-kentucky-startup-that-is-teaching-coal-miners-to-code


v. Amanda Jackson (January 14, 2016), Move over T. rex, new dinosaur unveiled, CNN
http://www.cnn.com/2016/01/14/living/titanosaur-new-dinosaur-on-display-new-york-irpt/

w. October 16, 2015, Newseum launches free resource site, eSchool News, Available:
http://www.eschoolnews.com/2015/10/16/newseum-resource-site-894/

x. September 30, 2015, Arctic education: The world's northernmost university is booming, By Anisha Shah, for CNN, Available:

y. September 7, 2015, New ‘Superhenge’? Remains found near Stonehenge, Monica Sarkar, CNN

z. September 3, 2015, Deep sea creature stuns explorers, CNN, While mapping uncharted waters near Hawaii, NOAA explorers captured incredible footage of deep sea creatures. Available:

aa. Syracuse professor offers free ‘Star Trek’ class to the public, USA Today, Amari D. Pollard, LeMayne College, Available:
http://college.usatoday.com/2015/08/20/syracuse-professor-offers-free-star-trek-class-to-the-public/

bb. August 4, 2015, India's Golf Prodigy Shubham Jaglan Returns Home to Hero's Welcome, NDTV, Available:

http://www.eschoolnews.com/2015/07/23/google-expeditions-class-599/


ee. May 28, 2015, Ancient jawbones put new species on the human family tree, researchers say, Laura Smith-Spark, CNN, Available:

ff. May 28, 2015, New species from Ethiopia further expands, Middle Pliocene hominin diversity, Nature, Available:
http://www.nature.com/nature/journal/v521/n7553/full/nature14448.html


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


**Videos Week 5: Nontraditional Learning:**


   **Video (2:33):** [http://curtbonk.com/dinosours.html](http://curtbonk.com/dinosours.html)


   **https://www.youtube.com/watch?v=mlYJdZeA9w4**
   http://www.youtube.com/watch?v=dk60sYrU2RU

Open Ed, Outdoor/Environmental/Adventure Learning People and Web Sites:
5. The Changing Earth (from Aaron Doering): http://thechangingearth.com/
11. Eartheducation: http://lt.umn.edu/eartheducation/
15. Explore.org: http://explore.org/
17. Explore Arctic: http://www.explore.org/search/?q=arctic
23. History for Music Lovers: http://www.youtube.com/user/historyteachers
24. TEDxHonolulu - History Teachers.m4v: http://www.youtube.com/watch?v=oWZl_ATuo0o
25. Ice Stories: http://icestories.exploratorium.edu/dispatches/
29. Jon Bowermaster (Notes from Sea Level): http://www.jonbowermaster.com/
32. Laura Dekker: [http://www.lauradekker.nl/English/Home.html](http://www.lauradekker.nl/English/Home.html)
33. Mark Beaumont: [http://www.markbeaumontonline.com](http://www.markbeaumontonline.com/)
34. Michael Perham: [http://www.mikeperham.co.uk/](http://www.mikeperham.co.uk/)
41. OER World Map: [https://oerworldmap.org/](https://oerworldmap.org/)
44. OpenEd: [http://www.opened.io/](http://www.opened.io/)
45. Open Education Europa: [http://openeducationeuropa.eu/](http://opendeducationeuropa.eu/)
46. OpenLearning: [https://www.openlearning.com/](https://www.openlearning.com/)
47. Openwords: [https://www.facebook.com/Openwords](https://www.facebook.com/Openwords)
48. Outschool: [https://outschool.com/](https://outschool.com/)
54. PolyglotPal’s Channel: [http://www.youtube.com/user/PolyglotPal](http://www.youtube.com/user/PolyglotPal)
57. Wayne Hodgins: [http://waynehodgins.typepad.com/about.html](http://waynehodgins.typepad.com/about.html)
58. The World by Road: [http://www.theworldbyroad.com](http://www.theworldbyroad.com)

**Live and Immediate Science**
1. The Brain Observatory: [https://www.thebrainobservatory.org/](https://www.thebrainobservatory.org/)

**Week 6. (February 12) Open Educational Resources (OER) and OpenCourseWare (OCW)**

**Articles in this issue include:**
b. Evaluating NTU’s OpenCourseWare Project with Google Analytics: User Characteristics, Course Preferences, and Usage Patterns, by Feng-Ru Sheu & Meilun Shih (former IU students), http://www.irrodl.org/index.php/irrodl/article/view/3025/4219


Note Free Books:

Week 6 Tidbits:
b. Open Educational Resources (Babson), http://www.onlinelearningsurvey.com/oer.html
George Siemens and David Wiley join forces for a MOOC about open education (see also Introduction to Open Education, edX, https://www.edx.org/course/introduction-open-education-utarlingtonx-link-oex)


m. November 7, 2016, OER Use to Triple Over Next 5 Years, Campus Technology https://campustechnology.com/articles/2016/09/07/oer-use-to-triple-over-next-5-years.aspx


r. Jeffrey R. Young, May 4, 2016, This Mongolian Teenager Aced a MOOC Now He Wants to Widen Their Impact, (140,000 people take the MIT MOOC on Circuits and Electronics, 1 of 300 to get a perfect score) The Chronicle of Higher Education, http://chronicle.com/article/This-Mongolian-Teenager-Aced-a/236362

s. April 4, 2016, MIT OpenCourseWare is 15!, https://ocw.mit.edu/about/our-history/ and Video (2:07): Thank you for 15 years of open sharing: https://www.youtube.com/watch?v=nBDFbsq10To


x. January 11, 2016, Mapping a MOOC Reveals Global Patterns in Student Engagement, Chronicle of Higher Education, Anthony C. Robinson, 


Videos:
1. Video: Ivory Tower: Is College Worth the Cost?, CNN; Coding Bootcamp: A college alternative (2:21)

2. Video (3:17): June 7, 2016, Teaching refugees how to code, CNN Money

Week 7 (February 19). Open Education & Massive Open Online Course (MOOCs)
https://olj.onlinelearningconsortium.org/index.php/olj/article/view/731/197 (PDF)

Or:


Bonk MOOC Videos:


2. Curt Bonk, November 2014, ([Compressed, High Def; Low Def](#)), (16 minutes). Shenzhen, China: Learning is Changing: MOOCs, The Open World, and Beyond. ([Dropbox slides](#)).

3. Curt Bonk interviewed for master’s student training video, *MOOCs and Self-directed Learning*, by Marcelo Maina, Universitat Oberta de Catalunya (i.e., the Open University of Catalunya), Barcelona, Spain, (recorded June 21, 2017; made available December 22, 2017). All seven video interviews: [https://www.youtube.com/channel/UCdbZdfz53NW5pj4JxZGSLUA](https://www.youtube.com/channel/UCdbZdfz53NW5pj4JxZGSLUA)

   1. Q#7 Principles of teaching in new technology rich environments. Available (5:38): [https://www.youtube.com/watch?v=t3UxSX0Q5s8&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF](https://www.youtube.com/watch?v=t3UxSX0Q5s8&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF);
   2. Q#6 SOLE and open education design (4:51): [https://www.youtube.com/watch?v=Q--0CgaClso&index=2&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF](https://www.youtube.com/watch?v=Q--0CgaClso&index=2&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF);
   3. Q#5 MOOCs and cultural differences (3:19): [https://www.youtube.com/watch?v=Irnl43tWKgM&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=3](https://www.youtube.com/watch?v=Irnl43tWKgM&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=3);
   4. Q#4 Personalization in MOOCs (6:25): [https://www.youtube.com/watch?v=GednTOmEtZs&index=4&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF](https://www.youtube.com/watch?v=GednTOmEtZs&index=4&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF);
   5. Q#3 Models of MOOC effective education (7:32): [https://www.youtube.com/watch?v=tWFZ1qFm6K4&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=5](https://www.youtube.com/watch?v=tWFZ1qFm6K4&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=5);
   6. Q2 MOOC design recommendations for educators (3:12): [https://www.youtube.com/watch?v=EH1fEig6kg&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=6](https://www.youtube.com/watch?v=EH1fEig6kg&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF&index=6);
   7. Q1 Innovative experiences in MOOCs and open education (2:51): [https://www.youtube.com/watch?v=ZMywBo7Mx84&index=7&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF](https://www.youtube.com/watch?v=ZMywBo7Mx84&index=7&list=PLyqLzFiZc4SmUT74_aiFAJc2nc1bVejQF)

**Short Videos on MOOCs and Open Education:**


3. Dhawal Shah, August 12, 2016, Class Central’s Top 50 MOOCs of All Time, Class Central Blog “Now there are close to 6,000 MOOCs from 600+ universities around the world.”


12. UK enters expanding online learning market with MOOCs, BBC, Sept. 18. 2013, 2:20; Video and Article: http://www.bbc.co.uk/news/uk-24153128


14. What is a MOOC, July 1, 2013, BBC, 8:23 minutes: http://www.bbc.co.uk/news/education-23127327


16. The Benefits of Online Learning, Anant Agarwal, the founder and president of edX, an online education company, shares what he considers the top six advantages of online learning., October 8, 2013, 2:20 minutes: Article: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html; Videos: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html#project%3DMOOCchrtPRINT%26articleTabs%3Dvideo


Week 7 Tidbits:


m. May 8, 2017, Creating MOOCs for Students in Developing Countries, Satesh Bidaisee, EDUCUSE. Available: [https://er.educause.edu/articles/2017/5/creating-moocs-for-students-in-developing-countries](https://er.educause.edu/articles/2017/5/creating-moocs-for-students-in-developing-countries)

n. April 24, 2017, Massive Open Online Courses used to be 100% free. But they didn’t stay
that way, Dhawal Shah (Founder of Class Central), freeCodeCamp, https://medium.freecodecamp.org/massive-open-online-courses-started-out-completely-free-but-where-are-they-now-1dd1020f59
q. December 22, 2016
r. December 18, 2016
Best Online Courses of 2016, Class Central https://www.class-central.com/report/best-free-online-courses-2016/
s. December 13, 2016
ff. November 19, 2015, MOOCs From a Worker’s Perspective
LinkedIn. Alberto Julián, available: https://www.linkedin.com/pulse/moocs-from-workers-perspective-alberto-juli%C3%A1n
https://www.linkedin.com/in/alberto-juli%C3%A1n-5a544b8


mm. April 1, 2015, Three Insights from the HarvardX and MITx Year Two Reports, Education Week, Justin Reich, HarvardX Research Fellow http://blogs.edweek.org/edweek/edtechresearcher/2015/04/three_insights_from_the_harvardx_and_mitx_year_two_reports.html


oo. May 12, 2015, In China, Where Everything is a MOOC, Education Week, Justin Reich, HarvardX Research Fellow, Available: http://blogs.edweek.org/edweek/edtechresearcher/2015/05/in_china_where_everything_is_a_mooc.html?r=284759497

http://extensionengine.com/putting-moocs-to-work-recap-infographic/#.VEyr4o3wtjg


**MOOC-Related Videos and Audios:**

1. What is a MOOC? by Dave Cormier, December 8, 2010: [http://www.youtube.com/watch?v=eW3gMGqcZQc](http://www.youtube.com/watch?v=eW3gMGqcZQc)

**Inexpensive Online Learning and MOOC Related Organizations and Institutions:**

1. Coursera: [https://www.coursera.org/](https://www.coursera.org/)
2. edX: [https://www.edx.org/](https://www.edx.org/)
3. edX high school initiative: [https://www.edx.org/high-school-initiative](https://www.edx.org/high-school-initiative)
4. edX partners: [https://www.edx.org/schools-partners](https://www.edx.org/schools-partners)
5. FutureLearn: [https://www.futurelearn.com/](https://www.futurelearn.com/)
6. Global Freshman Academy, edX: [https://www.edx.org/how-it-works](https://www.edx.org/how-it-works)
8. MITX: [https://www.edx.org/university_profile/MITx](https://www.edx.org/university_profile/MITx)

**Somewhat Shady and/or Nefarious Websites (there are many others):**

- NoNeedtoStudy.com: [https://www.noneedtostudy.com/myclass/](https://www.noneedtostudy.com/myclass/)
- Unemployed Professors.com: [http://unemployedprofessors.com/](http://unemployedprofessors.com/)

**Week 8 (February 26). More MOOCs and Open Education Around the World**

2. Rita Kop and Hélène Fournier, National Research Council of Canada, John Sui Fai Mak, Australia (2011, November). A pedagogy of abundance or a pedagogy to support human beings? Participant support on massive open online courses. International Review of Research on Open and Distance Learning (IRRODL), 12(7).


   Video explanation of results (4:18): https://www.youtube.com/watch?v=z0nIB_pcmEE

More MOOC Reading:
   http://jl4d.org/index.php/ijl4d/article/view/217/230 (PDF)

2. April 2017, Why Study on a MOOC? The Motives of Students and Professionals, IRRODL, 18(2) Colin Milligan and Allison Littlejohn, Glasgow Caledonian University, The Open University,


Or read: anything on MOOCs from:
Justin Reich of MIT: [https://scholar.google.com/citations?user=ihnlfqJAAAAJ&hl=en](https://scholar.google.com/citations?user=ihnlfqJAAAAJ&hl=en)
Andrew Ho of Harvard: [https://scholar.google.com/citations?user=oxiFUrEAAAAJ&hl=en](https://scholar.google.com/citations?user=oxiFUrEAAAAJ&hl=en)

**Interviews of Bonk et al. on MOOCs and Open Education:**

   Available in Chinese: [http://publicationshare.com/10](http://publicationshare.com/10)
   Available in English: [http://publicationshare.com/11](http://publicationshare.com/11)


**Week 8 Tidbits:**


e. October 13, 2017, Udacity Official Declares MOOCs ‘Dead’ (Though the Company Still Offers Them), Clarissa Shen, Vice President & International Executive, Udacity, Jeffrey R. Young, Ed Surge, https://tinyurl.com/vaw4kbv


g. September 25, 2017, Professors Have Taken Over the MOOCs: How open online learning is changing, Joshua Kim, Inside Higher Ed https://www.insidehighered.com/blogs/technology-and-learning/professors-have-taken-over-moocs (example: https://www.edx.org/course/bipedalism-science-upright-walking-dartmouthx-dart-anth-01-x)


q. May 20, 2016, agMOOCs (India): http://www.agmoocs.in/

r. December 4, 2015, MasterClass, https://www.masterclass.com/

s. November 17, 2015, Udacity and Google Unveil Co-Developed Nanodegree, John K. Waters, Campus Technology.


v. October 8, 2015, MIT New Model, Carl Straumsheim, Inside Higher Ed.

x. October 7, 2015, MIT Unveils ‘MicroMaster’s,’ Allowing Students to Get Half Their Degree From MOOCs, Andy Thomason, Chronicle of Higher Education.


aa. September 14, 2015, When a Degree Is Just the Beginning: Today’s employers want more, say providers of alternative credentials, Chronicle of Higher Education, Goldie Blumenstyk.


**Week 9. (March 5) Motivation in Informal and Self-Directed Online Learning Environments (including online language learning)**


Week 9 Tidbits:


   e. December 4, 2015, Don’t Believe the Self-Directed Learning Hype, Chief Learning Officer, David Vance, Available: http://www.clomedia.com/2015/12/04/dont-believe-the-self-directed-learning-

March 24, 2015, Langscape, Language at Maryland, Available: https://languagescience.umd.edu/beyond-umd/langscape


Some Language Learning Sites:
   a. ESL: http://esl.about.com/
   b. French: http://french.about.com/
   c. German: http://german.about.com/
   d. Italian: http://italian.about.com/
   e. Japanese: http://japanese.about.com/
   f. Mandarin: http://mandarin.about.com/
   g. Spanish: http://spanish.about.com/
2. BBC Languages: http://www.bbc.co.uk/languages/
3. BBC Learning English: http://www.bbc.co.uk/worldservice/learningenglish/
5. Chatterbox (learn languages with refugees): https://wearechatterbox.org/
10. German Online: http://www.dw-world.de/dw/0,2547,00.html
11. iTalkie: http://www.italki.com/
15. Korean Online http://learn-korean.net/
17. Langscape Univ of Maryland https://languagescience.umd.edu/beyond-umd/langscape
22. OpenLanguage: http://openlanguage.com/

Week 10. (March 19) Connectivism, Social Media, and Participatory Learning


Articles in this issue include:


a. Mimi Ito (2014, August 25). Think Education 2014 - Mimi Ito, Google, San Paulo, Brazil (29:21); Video of keynote: https://www.youtube.com/watch?v=t0uL0d2ShPU
b. Mimi Ito (2013, October 22). Mimi Ito on Learning in Social Media Spaces (Big Thinkers Series, from Edutopia), (7:24), Video: https://www.youtube.com/watch?v=HF5pxnXwMBY

58


**Free book on Connectivism:**


**Resources and Videos:**

   i. The Conflict of Learning Theories with Human Nature: [http://www.youtube.com/watch?v=xTgWt4Uzr54&feature=related](http://www.youtube.com/watch?v=xTgWt4Uzr54&feature=related)
ii. The Changing Nature of Knowledge:
http://www.youtube.com/watch?v=YMcTHndpzYg&feature=related

iii. The Impact of Social Software on Learning:
http://www.youtube.com/watch?v=grI_h88vs3g

iv. The Network is the Learning:
http://www.youtube.com/watch?v=rpbkdeyFxZw&feature=related

Week 10 Tidbits:

- **July 8, 2017**, 3 big ways today’s college students are different from just a decade ago, Meris Stansbury, eCampus News, https://www.ecampusnews.com/campus-administration/college-students-different/?all
- **May 15, 2017**, 3 must know’s about the rising “phigital” student-and why their impact is enormous, Meris Stansbury, eCampus News, https://www.ecampusnews.com/campus-administration/education-gen-z-phigital-student/
- **April 5, 2017**, Teaching in the age of social media, David Smith, University Affairs, http://www.universityaffairs.ca/career-advice/career-advice-article/teaching-age-social-media/

IU Website for fake news visualization: Hoaxy: http://hoaxy.iuni.iu.edu/stats.html
n. December 12, 2016, Girls Who Build Cameras Have More Fun, Joe Pickett, OCW Publication Director, MIT OCW, http://www.christenseninstitute.org/blog/texas-districts-are-rethinking-technology-integrations/


This essay is adapted from her new book, Reclaiming Conversation: The Power of Talk in a Digital Age, which will be published by Penguin Press October 6.

y. June 29, 2015, Is Facebook the next frontier for online learning?, Christine Greenhow; greenhow@msu.edu, Andy Henion, Available: http://msutoday.msu.edu/news/2015/is-facebook-the-next-frontier-for-online-learning/

z. April 9, 2015, LinkedIn to acquire online training site Lynda.com for $1.5 billion, Lance Whitney, CNET, Available: http://www.cnet.com/news/linkedin-to-acquire-online-training-site-lynda-com/


Week 11. (March 26) Interactive, Global, and Collaborative Learning (including wikis and learning spaces, etc.)


   **Note**: also in Canvas:

   **Note**: More articles from Mimi Miyoung Lee at ResearchGate: [https://www.researchgate.net/profile/Mimi_Lee5](https://www.researchgate.net/profile/Mimi_Lee5)

For more related to online videoconferencing, see:

   i. Georgetown Learning Initiatives, Soliya Connect: [http://gli.georgetown.edu/#soliya](http://gli.georgetown.edu/#soliya)
   ii. Connect from Soliya: [https://vimeo.com/38328511](https://vimeo.com/38328511)


3. Terumi Miyazoe & Terry Anderson (2010). Learning outcomes and students’ perceptions of


Part 2: Expanding Global Awareness (2:17):
[http://www.youtube.com/watch?v=8jWtSzoNIBk](http://www.youtube.com/watch?v=8jWtSzoNIBk)

Week 11 Tidbits: Part I: Global Collaboration


c. October 7, 2013, 6 collaborative writing applications for group projects or papers, Casey Brown, Elon University, Available: http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/


Week 11 Tidbits Part 2: Classroom Space Articles:


11. February 11, 2015, Inside the schools that dare to break with traditional teaching

Videos and Resources of New or Remodeled Academic Buildings for Collaboration:
   (scroll down)
   http://www.youtube.com/watch?v=lp3sWu_5rb0&feature=related
4. Ohio State’s New Library: http://www.youtube.com/watch?v=ak7FEQjxqBY
5. Saltire Centre at Glasgow Caledonian (Scotland): http://www.youtube.com/watch?v=xBsGeDa44ic&feature=related
8. Yonsei Library, Seoul, Korea: http://www.youtube.com/watch?v=rLbVIZZ5OoI
   i. Collaborative Spaces—Design Story from Steelcase (5:53; March 10, 2009), http://www.youtube.com/watch?v=sU-jrv3UXi0&feature=related
   ii. Stanford d.school—case study, Steelcase (3:33; December 6, 2010): http://www.youtube.com/watch?v=NSjezj7_6mc&feature=related
10. Izzy Plus and Baker College 21st Century Learning, April 26, 2012 (4:12); http://vimeo.com/39202414

Examples of Interactive Online Timeline Tools:
1. Archaeology’s Interactive Dig: http://www.archaeology.org/interactive/

Collaborative Projects:
1. Asia Society: http://asiasociety.org/education/
2. Center for the Study of Global Change: http://www.indiana.edu/~global/
3. Choices Program (Brown University): http://www.choices.edu/
5. Flat Connections Project: http://www.flatconnections.com/
8. iEARN: http://www.iearn.org/
10. Mentor.net (for engineering, science, and mathematics): http://www.mentornet.net/
11. The News Literacy Project: http://www.thenewsliteracyproject.org/ (mentoring young people into journalism)
15. TakingITGlobal: https://www.tigweb.org/
16. Teach the World Online (TWOL): http://www.teachtheworldonline.org/
17. Tutor/Mentor Institute (Daniel Bassell): http://www.tutormentorenexchange.net/

Tools for Collaboration:
2. AnyMeeting: http://www.anymeeting.com/
5. Course Networking: https://www.thecn.com/
7. Google Docs: http://docs.google.com
10. Facebook: http://www.facebook.com/
11. FreeConferenceCall: https://www.freeconferencecall.com/
13. GoToMeeting: https://www3.gotomeeting.com/
15. Ning: http://www.ning.com/
17. PBworks: http://pbworks.com/
18. Piratepad: http://piratepad.net/front-page/
19. PrimaryPad: http://primarypad.com/ (recommended by “TypeWithMe”)
22. Skype: http://www.skype.com/
23. Slideshare: http://docs.slideshare.net/
25. TodaysMeet: https://todaysmeet.com/
27. Twitter: http://twitter.com/
29. WebEx: http://www.webex.com/
31. Yahoo! Groups: http://groups.yahoo.com/
33. Zoom: https://zoom.us/
Week 12. (April 2) Shared Online Video and Audio


Week 12 Tidbits:
   e. Jeffrey R. Young, September 14, 2015, Credit for Watching a TED Talk? A new platform aims to help employers track casual learning, Chronicle of Higher Education,
Video Resources and Portals (56 shared online video portals):
http://www.trainingshare.com/resources/Summary_of_Ways_to_Use_Shared_Online_Video.htm
(e.g., YouTube EDU, TeacherTube, Link TV, Book TV, Clip Chef, Big Think, Google Video, TV Lesson, Wonder How To, National Geographic videos, CNN videos, BBC News, Video, and Audio, Academic Earth, EduTube, iHealthTube, CurrentTV, SchoolTube, Viddler, MasterChef, etc.)

Video Tools:
1. Dotlearn (reduce file size): https://www.dotlearn.io/
2. ForaTV (Live and On-Demand Videos from the World’s Best Conferences and Events)
   http://library.fora.tv/
3. GoAnimate: https://goanimate.com/
4. TED-Ed: http://education.ted.com/
5. TubeChop: http://www.tubechop.com/
7. Screencastify: https://www.screencastify.com/
8. WeVideo: https://www.wevideo.com/

Oral History Tools
1. StoryCorps: http://storycorps.org/

Oral History Resources:
1. The History Harvest: http://historyharvest.unl.edu/

Week 13. (April 9) Flipping the Classroom


**Week 13 Tidbits:**


b. Dian Schaffhauser & Rhea Kelly, October 12, 2016, 55 Percent of Faculty are Flipping the Classroom, Campus Technology, [https://campustechnology.com/articles/2016/10/12/55-percent-of-faculty-are-flipping-the-classroom.aspx](https://campustechnology.com/articles/2016/10/12/55-percent-of-faculty-are-flipping-the-classroom.aspx)


**Flipped Classroom Videos:**
   https://www.youtube.com/watch?v=USAHX56lWqE&feature=youtu.be  
   http://mfeldstein.com/explainer-video-on-flipped-class-learning-analytics-and-adaptive-learning
2. I Flip, You Flip, We All Flip: Setting Up a Flipped Classroom (Video: 24:09):  
   https://www.youtube.com/watch?v=ZRvmjjeZ9CA
3. Ohio State Chemistry Flips the Classroom, (Video: 1:10),  
   https://www.youtube.com/watch?v=6FA_hCmfsp8
4. Flipping The Large Enrollment Psychology Classroom - NC State (Video: 3:45),  
   https://www.youtube.com/watch?v=QTDQaaVWEzI
5. February 14, 2014, Freddie Diaz-Batista, Flipped Learning, E-learning Blog,  
   http://freddiediazbatista.com/main/
6. July 11, 2012, Digital distraction in the classroom, by Stephanie Chasteen, The Active Class,  
   http://theactiveclass.com/category/uncategorized/
   http://www.eschoolnews.com/2013/09/09/educators-video-flipped-008/2/?ast=123&astc=11015
   To register: www.teacheronline.us/mooc
9. The Flipped Classroom Model, (Video: 3:00), https://www.youtube.com/watch?v=qdKzSq_t8k8
10. Flipping the Class, Penn State (3:23 video), https://sites.google.com/site/flippingclass/
11. Teaching for Tomorrow: Flipped Learning (2:52);  
    https://www.youtube.com/watch?v=4a7NbUlR_iQ
12. The Flipped Classroom (2:14):  
    https://www.youtube.com/watch?v=2H4RkfudFzlc
13. "Flipping", TechSmith's e-learning trainers series part 5 (Video: 2:54);  
    https://www.youtube.com/watch?v=BXSBcM0RhB0&feature=relmfu
14. 10 must-watch videos for flipped learning, April 21, 2014, eSchool News, Available:  
    http://www.eschoolnews.com/2013/10/24/flipped-videos-learning-190/2/?ast=123&astc=11015

**Week 14. (April 16) Mobile, Wireless, and Ubiquitous Learning**


**More from Paul Kim**
Pocket School and other projects (e.g., Seeds of Empowerment: [http://seedsofempowerment.org](http://seedsofempowerment.org) ote: See Canvas for many articles on mobile learning from Paul Kim at Stanford. He was the class guest in the fall of 2010.). Paul Kim’s Homepage: [http://www.stanford.edu/~phkim/](http://www.stanford.edu/~phkim/)
Various articles: [https://www.dropbox.com/sh/xrvmtpkhe5vhrn1/AABy84P4ijuWo37ZiZa4K-Hja?dl=0](https://www.dropbox.com/sh/xrvmtpkhe5vhrn1/AABy84P4ijuWo37ZiZa4K-Hja?dl=0)

**Seeds of Empowerment videos (Paul Kim, Stanford):**
2. India Pocket School video: [http://www.youtube.com/watch?v=OKyP_kWPifM](http://www.youtube.com/watch?v=OKyP_kWPifM)
3. Mexico Pocket: [http://ldt.stanford.edu/~educ39107/paulik/IFL/trip1/Camalu1_0004.wmv](http://ldt.stanford.edu/~educ39107/paulik/IFL/trip1/Camalu1_0004.wmv)
4. Argentina: [http://www.youtube.com/watch?v=Hd8JE1-k6Zg](http://www.youtube.com/watch?v=Hd8JE1-k6Zg) (my son Alex created)
5. Tanzania (which my son Alex did): [https://www.youtube.com/watch?v=Y3vWhJHsgYo](https://www.youtube.com/watch?v=Y3vWhJHsgYo);
6. Tanzania FB pics: [http://www.youtube.com/watch?v=HM-dJo0LjlK&list=UUuvrQiGFGGPkN5aKg3-iEag&index=2&feature=plcp](http://www.youtube.com/watch?v=HM-dJo0LjlK&list=UUuvrQiGFGGPkN5aKg3-iEag&index=2&feature=plcp)
Week 14 Tidbits:


h. Video (1:44), February 17, 2016 (Engagement), World’s Cheapest Smartphone at $3.67 https://m.facebook.com/story.php?story_fbid=958345290915737&id=100002208259408


Week 15. (April 23) The Future: Networks of Personalized Learning and AI Agents


7. The Horizon Reports (i.e., technology on the horizon): https://www.nmc.org/publication-type/horizon-report/

8. The Future from Contact North, Ontario, Canada

Week 15 Tidbits Part 1: The Future: The Personalization of Learning


h. December 20, 2016, What is Learning in the Age of Technology?, Bravetta Hassell, Chief Learning Officer (CLO), http://www.clomedia.com/2016/12/20/learning-age-technology/


Week 15 Tidbits Part 2: The Future: AI, Robotics, and Personal Digital Assistants

   Video 2:03: http://curtbonk.com/ces1.html
   Video 2:05: http://curtbonk.com/ces2.html
   Speech by Marc Zuckerberg (1:55): http://curtbonk.com/zuckerburg.html

j. Video: December 12, 2016, Zuckerberg debuts AI voiced by Morgan Freeman, CNN


jj. Meris Stansbury, August 16, 2016, 3 reasons why AI is education’s future, eCampus News, [http://www.ecampusnews.com/disruptions-and-innovations/ai-educations-future/?ps=cjbonk@indiana.edu-0013000000i08pF-0033000000q5TNf](http://www.ecampusnews.com/disruptions-and-innovations/ai-educations-future/?ps=cjbonk@indiana.edu-0013000000i08pF-0033000000q5TNf)

II. Jessica Guynn, July 21, 2016, Facebook's Aquila drone completes first test flight

