Part I. Education 3.0: Embrace MOOCs or Disappear

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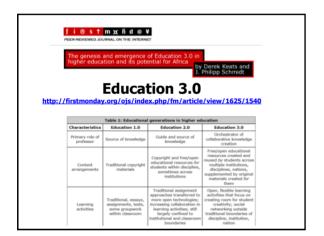


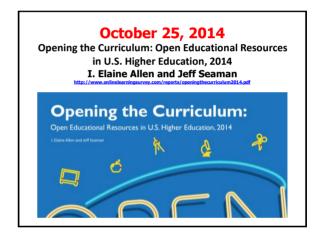


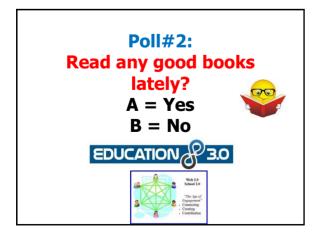
Poll #1: Are you interested in Education 3.0? A = Yes B = No C = Not sure



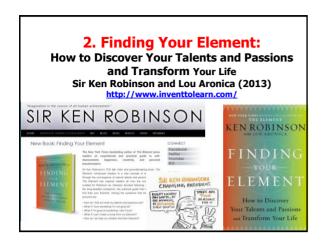






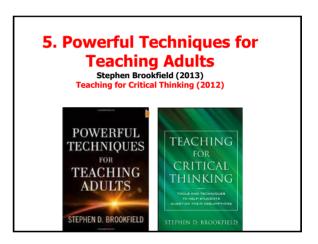










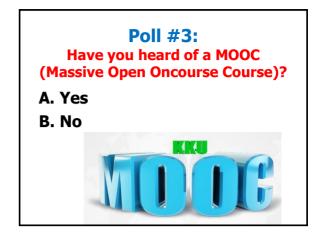


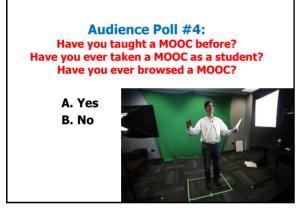


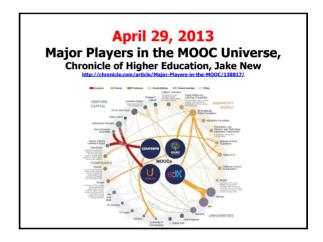


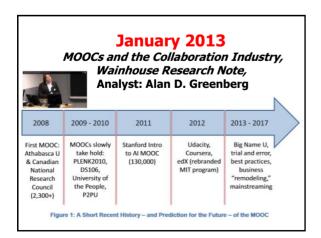
What skills do we need in the 21st Century? The Seven Cs — 21st Century Lifelong Skills Seven Cs Component Skills Critical Thicking-and-Doing Problem-solving, Research, Analysis, Projectivity Her Knowledge Creativity Her Knowledge Creativity Collaboration Community Medicine, Arth Mercy Horn, de. Community Mercy H

Computing / ICT Literacy



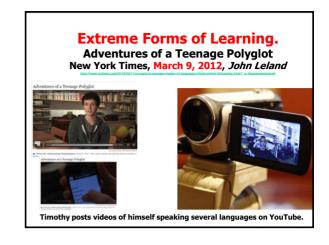




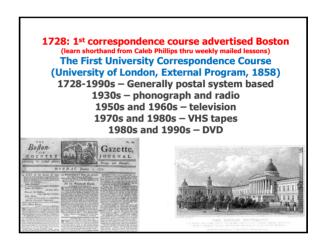


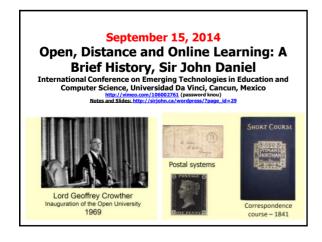


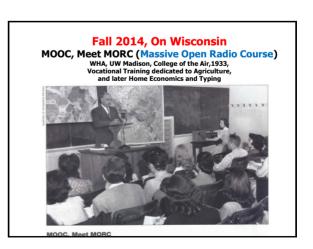


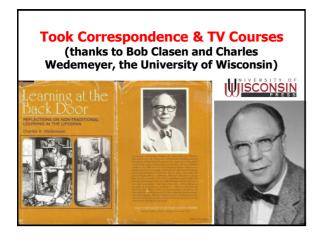


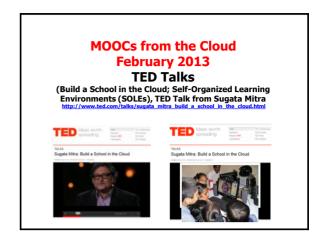


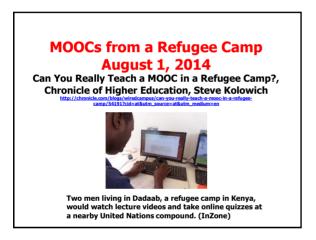










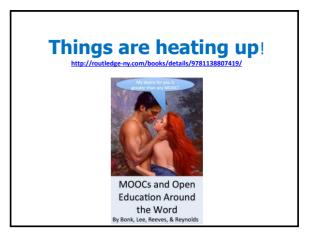


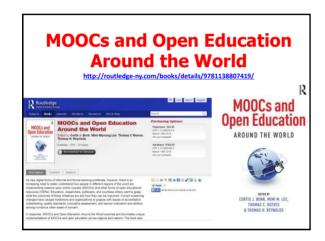




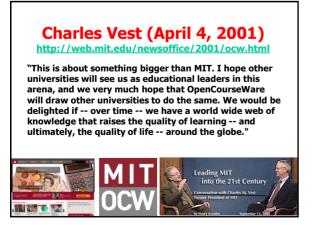




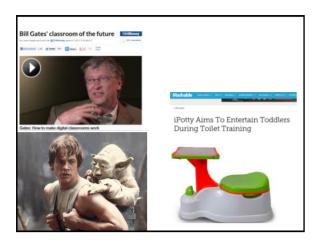


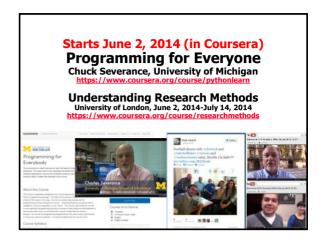






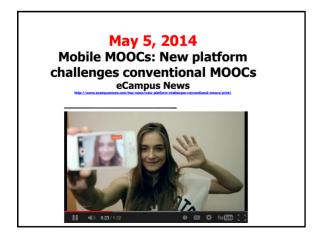






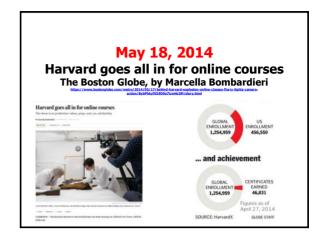


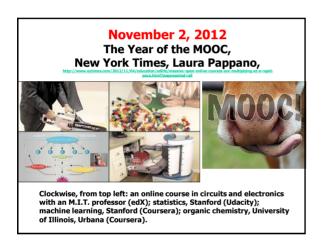




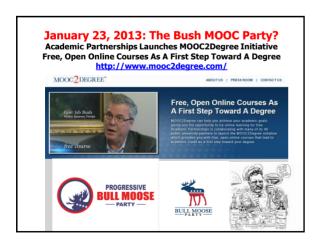


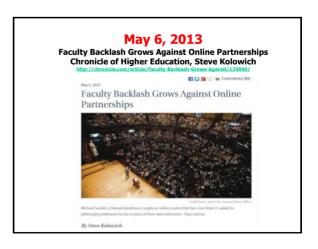










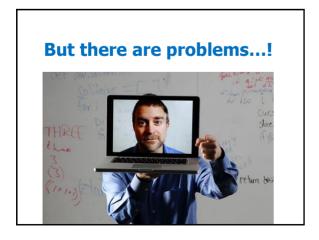


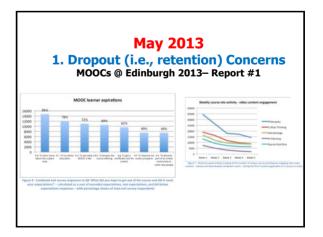


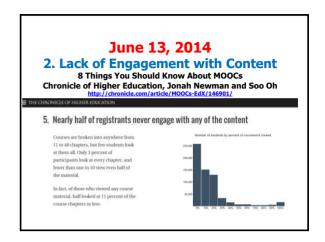


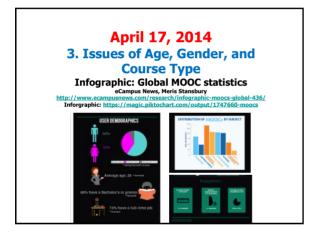


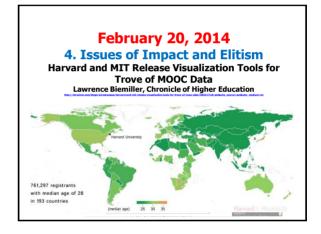




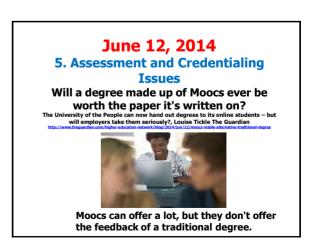




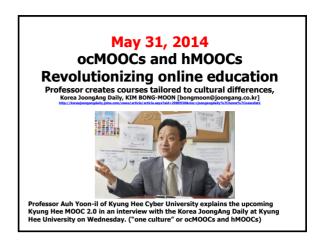


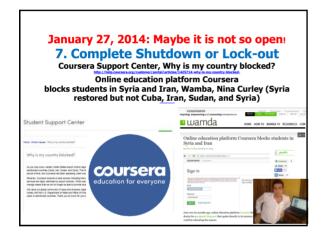


April 21, 2014 Not Impacting the Underprivileged The Revolution Is Not Being MOOC-ized, Students are educated, employed, and male. Gayle Christensen and Brandon Alcorn, UPenn, New Scientist Filipino youths go online at an Internet café in Manila on Feb. 18, 2014. Two-thirds of Coursera participants come from the developed world,



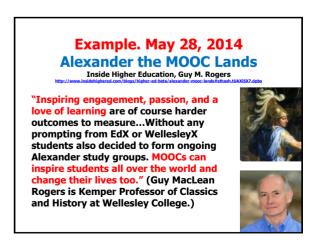


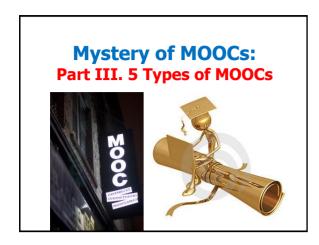


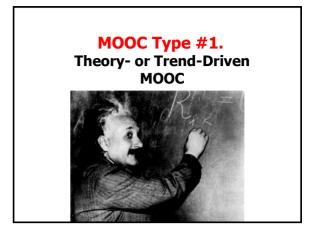


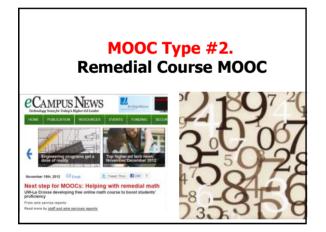


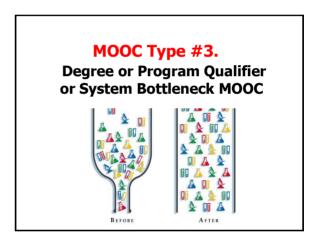


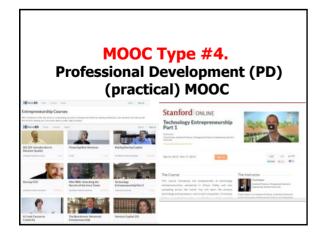


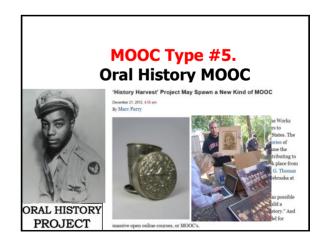


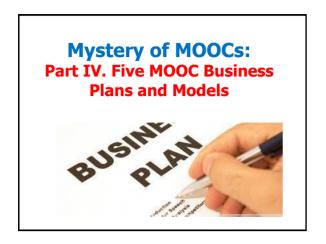


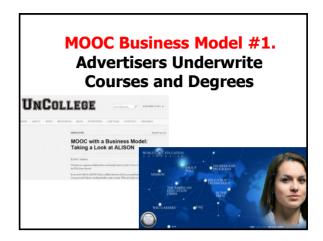










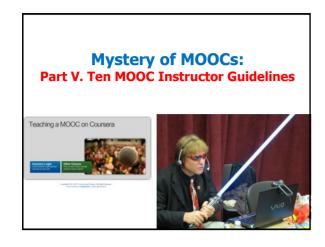


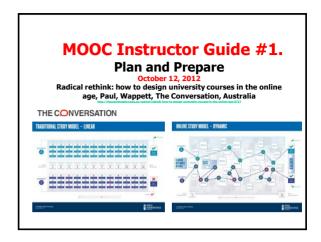


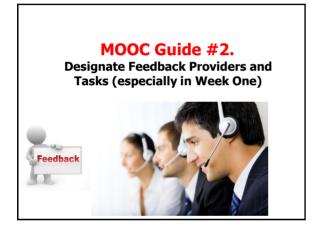


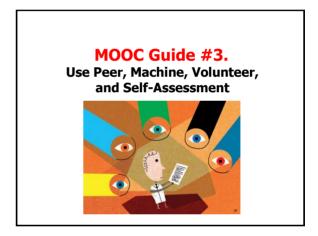


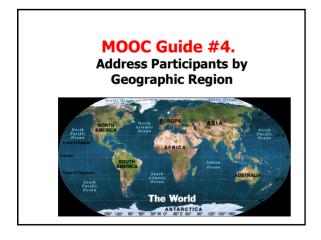




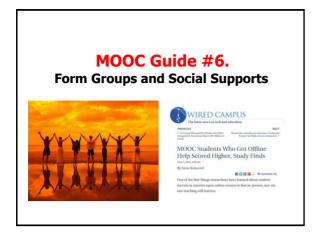


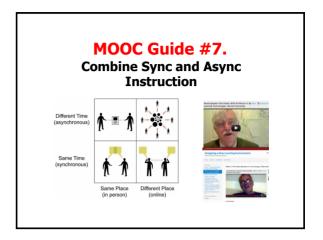




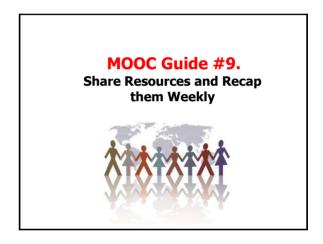


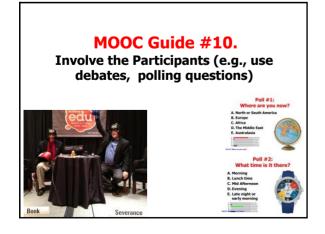


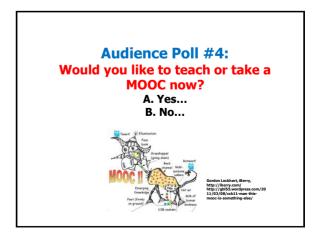


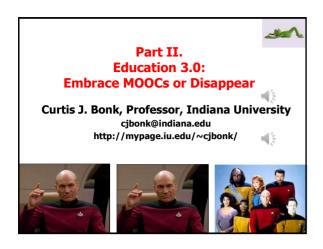










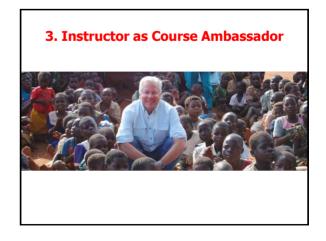












4. Instructor as Curator



5. Instructor as Concierge





6. Instructor as Camping Trip Guide



Expert Apprenticeship from Video





1. Expert Presentations with Audience Questioning and Commenting

The guest expert makes a formal or semi-formal presentation of ideas, activities, cultural norms and practices, or research to the class.





2. Expert Demonstrations and Audience Questioning

The guest expert demonstrates a certain technique, idea, principle, etc., while the learners observe and ask follow-up questions.





3. Responding to Book or Article Quotes

The learners come to the synchronous session with quotes from those articles or resources for the guest expert to respond to.



4. Expert Cultural Sessions

The guest might conduct a short presentation of some aspect of their culture followed by questions from the class.



5. Expert Life Stories

The guest expert might detail different stories or situations that he or she has encountered related to a certain topic of the class. Students in the class can comment on them and ask questions as needed.





Part II: TEC-VARIETY and R2D2 Models



Motivation and Engagement



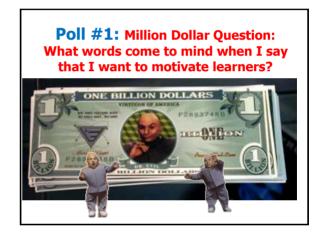
What did Jean-Luc Picard say?









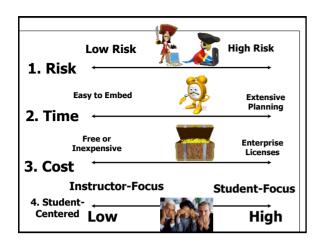


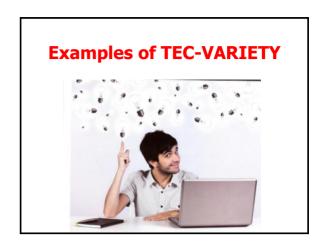
Motivation Research Highlights (Jere Brophy, Michigan State University)

- 1. Supportive, appropriate challenge, meaningful, moderation/optimal.
- 2. Teach goal setting and self-reinforcement.
- 3. Offer rewards for good/improved performance.
- 4. Novelty, variety, choice, adaptable to interests.
- 5. Game-like, fun, fantasy, curiosity, suspense, active.
- 6. Higher levels, divergence, dissonance, peer interaction.
- 7. Allow to create finished products.
- 8. Provide immediate feedback, advance organizers.
- 9. Show intensity, enthusiasm, interest, minimize anxiety.
- 10. Make content personal, concrete, familiar.



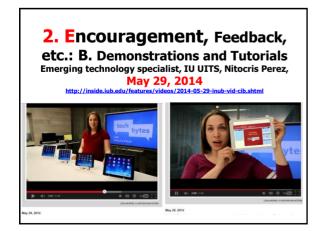
Framework #2. Introducing the "TEC-VARIETY" book... http://tec-variety.com/ What motivates? 1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging Encouragement: Feedback, Responsiveness, Praise, Supports 3. Curiosity: Surprise, Infrigue, Unknowns 4. Variety: Novelty, Fun, Fantasy 5. Autonomy: Choice, Control, Flexibility, Opportunities 6. Relevance: Meaningful, Authenti, Interesting 7. Interactivity: Collaborative, Team-Based, Community 8. Engagement: Effort, Involvement, Investment 9. Tension: Challenge, Dissonance, Confroversy 10. Yielding Products: Goal Driven, Purposeful Vision, Ownership





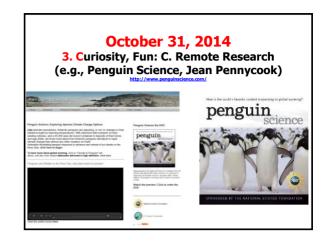
















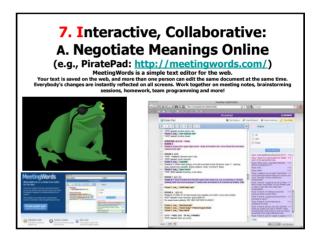












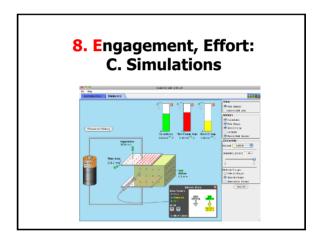




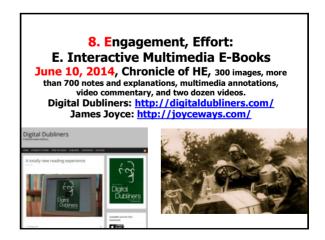




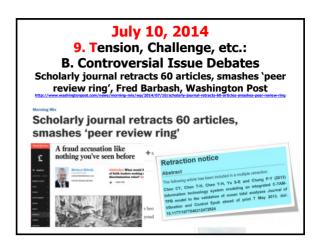






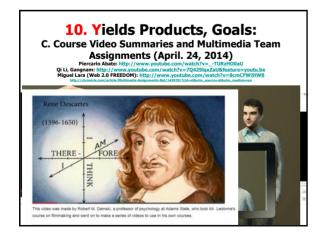












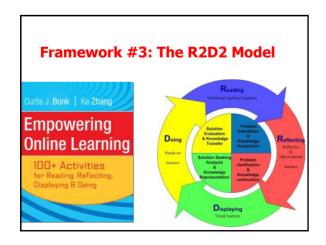


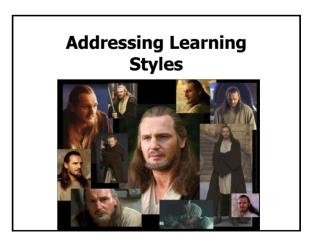






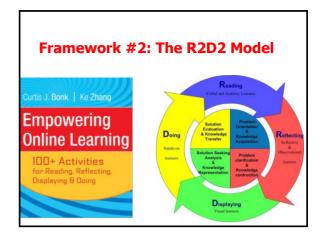






Question: How can technology address diverse learner needs?





The R2D2 Method

- 1. Read (Auditory and Verbal Learners)
- 2. Reflect (Reflective Learners)
- 3. Display (Visual Learners)
- 4. Do (Tactile, Kinesthetic, Exploratory Learners)







1. Auditory or Verbal Learners

 Auditory and verbal learners prefer words, spoken or written explanations.







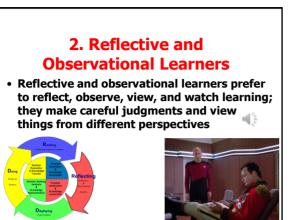
Read 1a. Collect and Listen to Interactive Stories

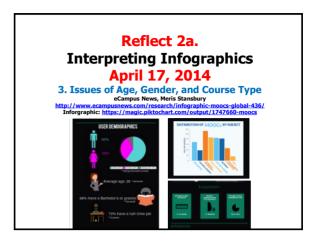
(e.g., Meograph: http://www.meograph.com/)
Timelines with Oral Histories, Slavery and the Making of America
Time and Place, PBS
http://www.bbo.or/work/slavery/timeline/1852.html





Read 1b. Grammer Checkers (e.g., Grammarly, Ginger, GrammarCheck, PaperRater, and SpellCheckPlus) http://www.grammarly.com/. The World's Best Grammar Checker The World's Best Grammar Checker Grammar Grammar Checker Grammar Checker Grammar Grammar Checker Grammar Grammar Checker Grammar Grammar Checker Grammar Grammar Ch





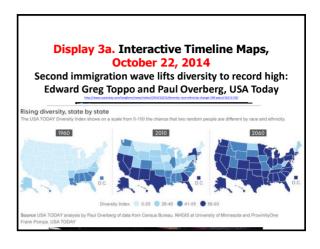


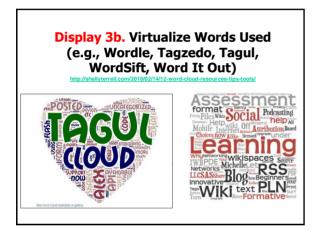


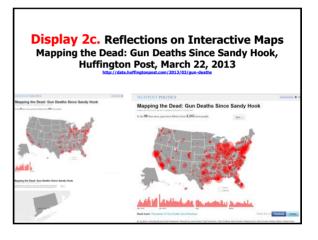


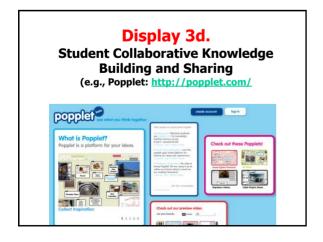












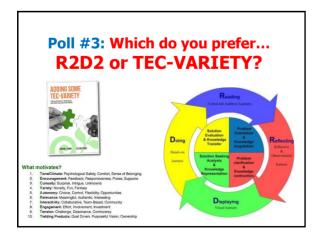




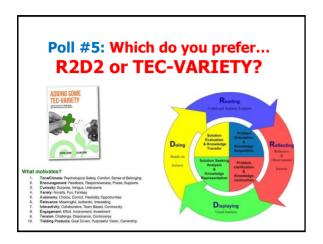












Poll #4: How many ideas did you get from this talk?

- 1. 0 if I am lucky.
- 2. Just 1.
- 3. 2, yes, 2...just 2! 4. Do I hear 3? 3!!!!
- 5. 4-5.
- 6. 5-10.
- 7. More than 10.



