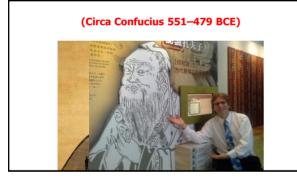


### **Talk Overview**

- 1. Education 20/20
- 2. New Roles of the Instructor
- 3. First and Last Principles of Instruction
- 4. Artificial Intelligence vs. Intelligence Augmentation
- 5. Megatrends of Learning: Engagement, Access, and Customization (30 ways that learning is changing...)
- 6. Future Trends and Ideas



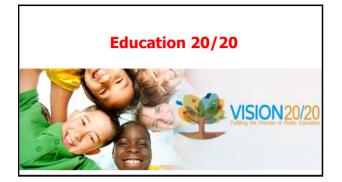




# What happens to sleeping students?



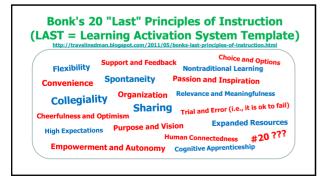




















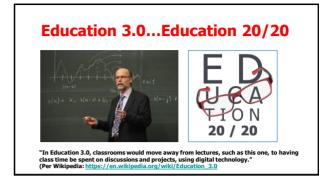


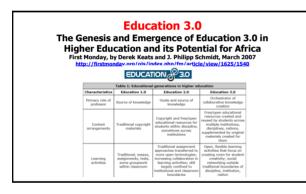


## Poll #3: Do you really remember what was to be education 2.0?













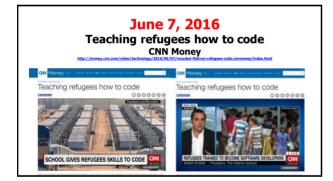


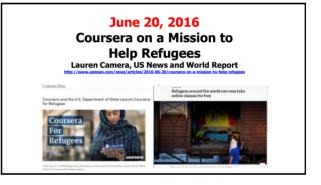
#### August 21, 2016 ST Future Economy Roundtable: Is Asia ready for the Fourth Industrial Revolution? The Straits Times



"It's quite clear that the established models of education have to change and adapt to the new environment."







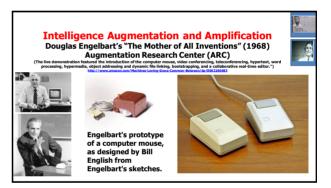






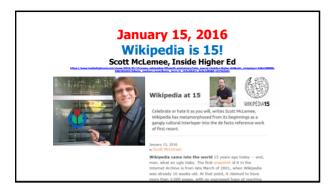




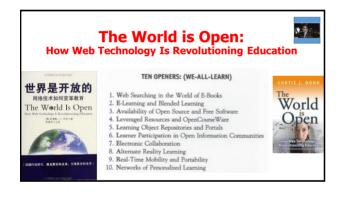


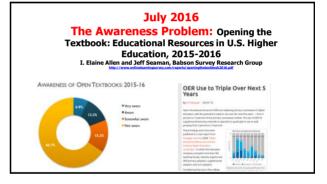


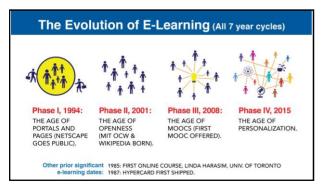


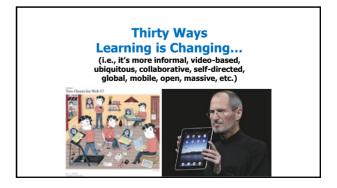


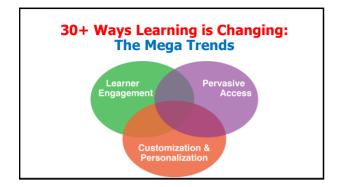






































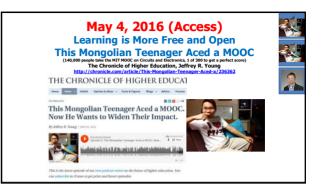






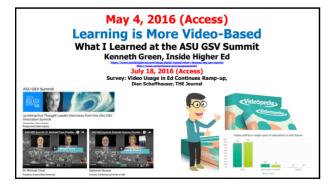


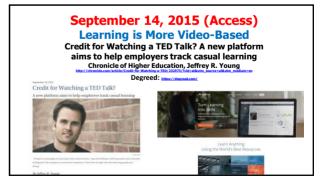
























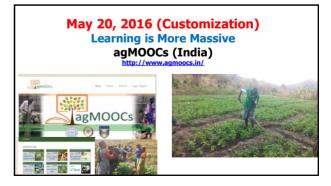


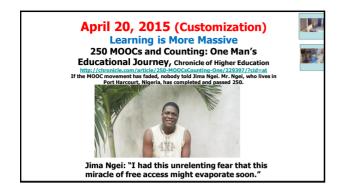






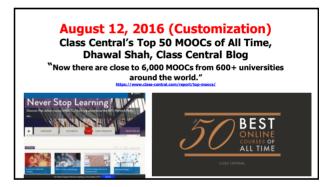






-	The I	Numb hawa S	ers: N hah, Cla	25, 20 100CS ass Centr report/m	5 <b>in 20</b> ral		
Votes		G	irowth of <i>I</i>	MOOCs			
	0	2013	2054	2015	2016 Source CL	2017 ASS CENTRAL	









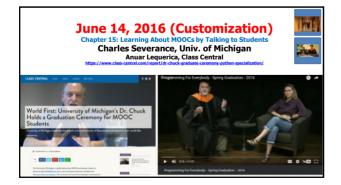


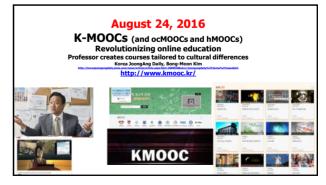


Development Approach Learning design Instructional design Educational design research   Primary Type of Assessment Self And/or Client Perr Assessment Self and/or Client Perr Assessment Self and/or Client Perr Assessment   Funding Source Self of the pants Large external Moderate client	Type of MOOC	<b>cMOOC</b>	xMOOC	pMOOC	
Learning Theory Connectivism Behaviorism Constructivism   Primary Predagogy Knowledge Knowledge Knowledge production   Metaphor "We link movies" "We watch movies" "We make movies "We make movies   Development Learning Instructional Educational design Educational design   Primary Type of Self Assessment External and/or Self and/or Client   Assessmeat Seasement Large external Moderate client	Learner Role	Active	Passive	Active	
Primary Pedagogy Knowledge Knowledge Knowledge   Primary Pedagogy Knowledge Motowledge production   Metaphor "We link movies" "We watch movies" "We make movies"   Development Learning Instructional Educational design   Approach design Instructional Educational design   Aressenanti Self and/or Client Self and/or Client   Funding Source Self of the pants Large external Moderate client	Instructor Role	Co-learner	Sage on video stage	Guide on the side	
integration duplication production   Metaphor "We link movies" "We watch movies" "We make movies"   Development Learning Instructional design design Enternational design research   Primary Type of Assessment Self Assessment External and/or Assessment Self and/or Client Assessment   Funding Source Sent of the pants Large external Moderate client	Learning Theory	Connectivism	Behaviorism	Constructivism	
Development Approach Learning design Instructional design Educational design research   Primary Type of Assessment Self And/or Client Perr Assessment Self and/or Client Perr Assessment Self and/or Client Perr Assessment   Funding Source Self of the pants Large external Moderate client	Primary Pedagogy			production "We make movies" Educational design	
Approach design design research   Primary Type of Assessment Self Assessment Peer Assessment Self and/or Client Assessment Self and/or Client Assessment   Funding Source Self of the pants Large external Moderate Client	Metaphor	"We link movies"	"We watch movies"		
Assessment Peer Assessment Assessment   Funding Source Seat of the pants Large external Moderate client					
- month - month - mile		Self Assessment			
funding funding provided funding	Funding Source	Seat of the pants funding	Large external funding	Moderate client provided funding	



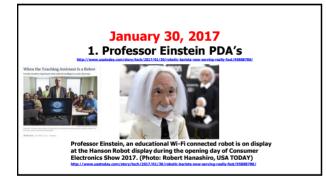
















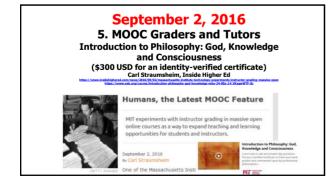


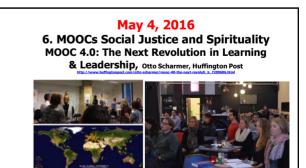










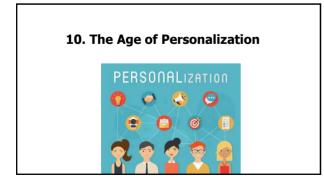














## March 27, 2017 What will learning look like in 2025? John Cavanaugh, eCampus News

- 11. Orientation through VR
- 12. Scheduling through AI 13. Fully-Immersive Course Content
- 14. AI Analytics





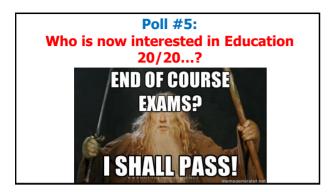


One VR diversity demo places the user in the body of an African-American woman as a white male avatar gets aggressive mere feet away. (It one Stanford VR demo, subjects are made to feel what is like to be homeless, as in this scene where the user is transported into the body of a woman riding the bus with a few possessions.)











## Things are heating up for PBL!



## Education 20/20 is coming within reach!





