Education 20/20 Meets Education 3.0: Visions of Our Changing Learning World! Curtis J. Bonk, Professor, Indiana University Cibonk@indiana.edu http://curtbonk.com/

Talk Overview

- 1. Jobs are changing
- 2. Education 20/20 and the Role of the Instructor
- 3. First and Last Principles of Instruction
- 4. Megatrends of Learning: Engagement, Access, and Customization (30 ways that learning is changing...)
- 5. Future Trends and Ideas







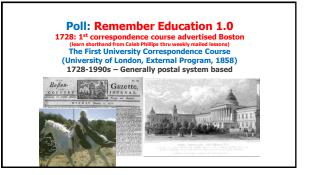




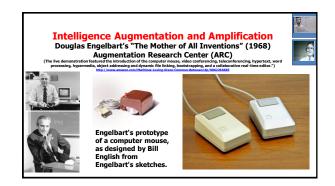








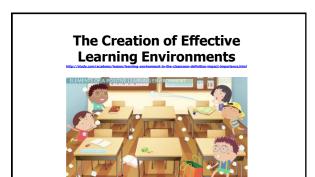






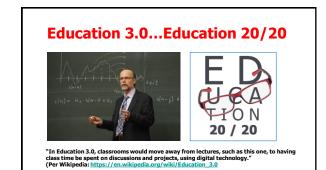
| Fast Forward 30+ Years "Anyone can now learn anything from anyone at any time." | | | | | | | |
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| SKILLSHARE same man moving type | | | | | | | |
| Learn anything from anyone, anywhere. | | | | | | | |
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Sterile, industrial-era rows aren't very attractive or motivating. Even more, I've become convinced that traditional educional settings adult the senses... Ibelieve the "Starbucks" environment will promote that freedom and movement. Freedom is the key ingredient to social-emotional well-being and deeper learning. Rows and columns constrict. They hold and stiffe. That is the truth. That is the reality in many U.S. classrooms today. But no longer in mine. Never again.



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|--|---|--|---|--|--|--|
| Table 1: Educational generations in higher education | | | | | | |
| Characteristics | Education 1.0 | Education 2.0 | Education 3.0 | | | |
| Primary role of professor | Source of knowledge | Guide and source of knowledge | Orchestrator of collaborative knowledge creation | | | |
| Content arrangements | Traditional copyright materials | Copyright and free/open educational resources for students within discipline, sometimes across institutions | Free/open educational resources created and reused by students across multiple institutions, disciplines, nations, supplemented by original materials created for them | | | |
| Learning activities | Traditional, essays, assignments, tests, some groupwork within classroom | Traditional assignment approaches transferred to more open technologies; lincreasing collaboration in learning activities; still largely confined to institutional and classroom boundaries | Open, flexible learning activities that focus on creating room for student creativity; social notworking outside traditional boundaries of discipline, institution, nation | | | |









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."







From Instructor as Credit Manager and Court Room Judge



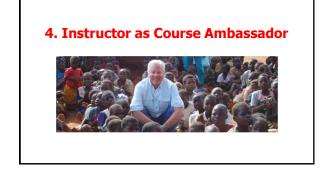




2. Instructor as Consultant







5. Instructor as Curator







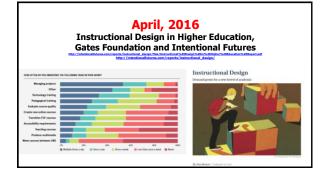


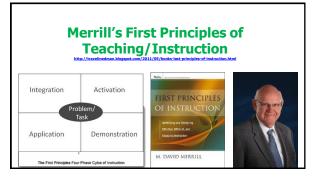


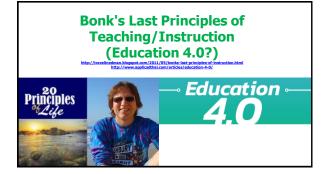


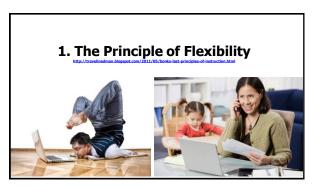
| Course Ambassador Captain Counselor Counselor Conductor Conductor Concierge Comedian Camping Trip Guide Consultant Course Expedition Leader Comedian Consultant Course Expedition Leader Comedian Comedian Consultant Course Expedition Leader Comedian Comedian Consultant Course Expedition Leader Comedian Comedian Consultant Course Expedition Leader Comedian Comedian Consultant Course Expedition Leader Consultant Comedian Comedian Course Course Expedition Leader Consultant Course Course Expedition Leader Consultant Course Expedition Leader Consultant Course Course Course Expedition Leader Course Course Course Expedition Leader Course Course Course Expedition Leader Course Course Expedition Leader Course Expedition Course Expedition Leader Course Expedition Course Expedition C | 20 New Roles of the Instructor |
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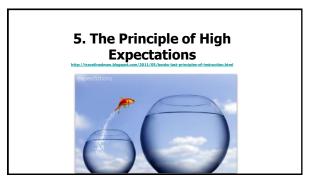


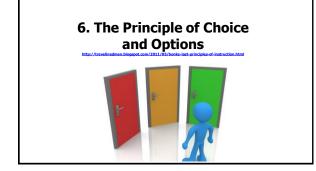


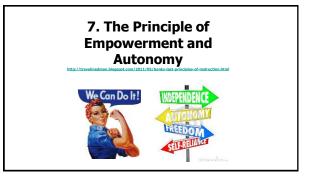


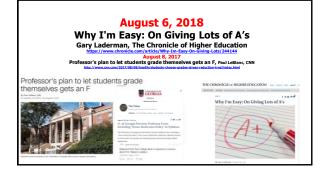


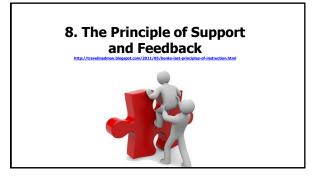




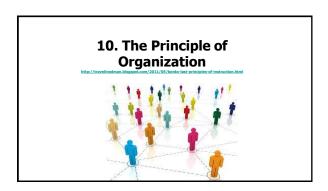


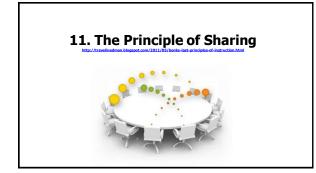








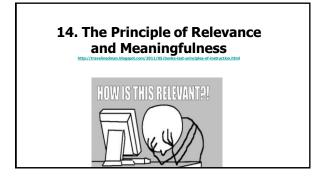




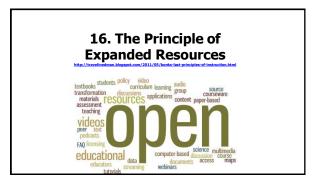


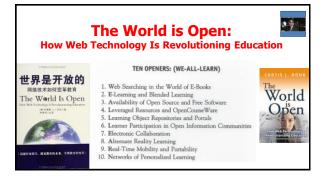






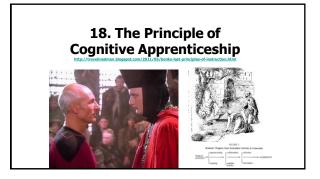


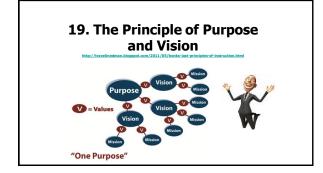






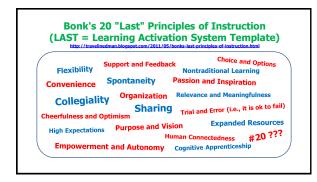




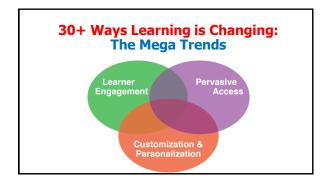


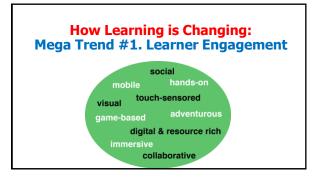
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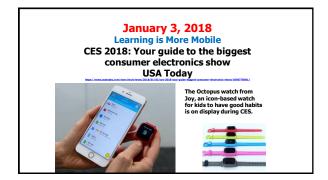








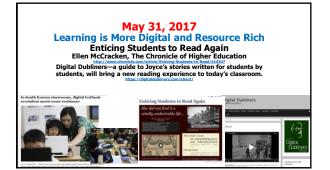




























EarthShake, the first educational game for the NoRILLA system, teaches early physics principles through hands-on learning. May 1, 2018 Learning is More Immersive 3 ways districts can use AR and AI Justin Anglio, eSchool News



When a teacher glances around her classroom, Lumilo allows her to see real-time analytics (in the form of icons) floating directly above each student's head. The teacher can glance directly at a student or "click" on a student's icon to see more detailed information about where and how that student might be struggling.





















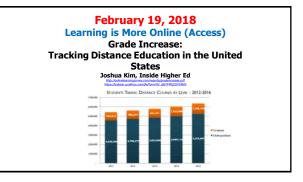




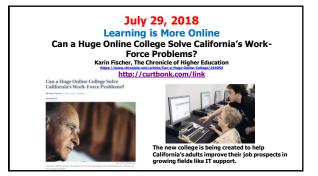
A Cassiopea jellyfish rests upside-down on black sand and pulses, rhythmically contracting and relaxing its bell. At night, Cassiopea jellies pulse less frequently — a clue that they're sleeping, researchers report. (Photo by JanEaster.com)



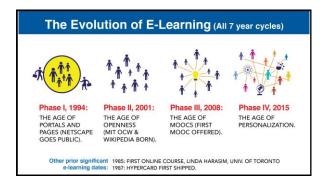




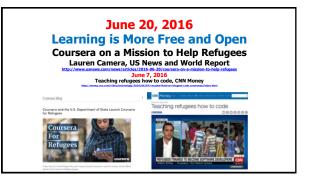








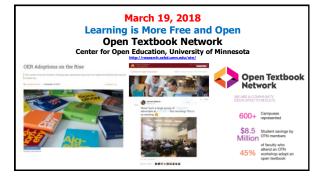


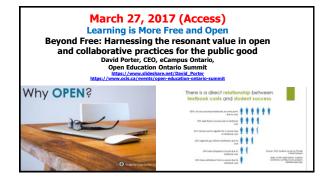


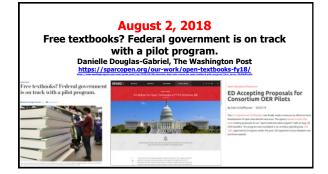




















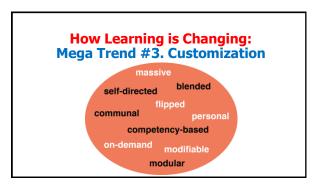
























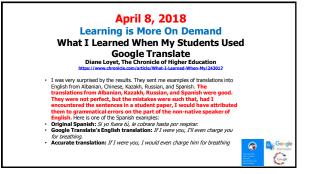










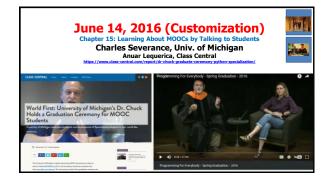


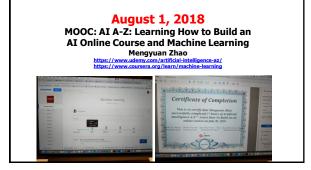






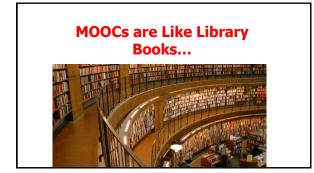




















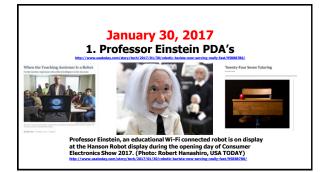


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8. Café Classroom and Café Connectedness



9. Instructional Designer Morphs into Learning Environment Engineer With the second seco





Things are heating up!







