Education 20/20: Visions of a New Learning World

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Talk Overview

- 1. Education 20/20 and the Role of the Instructor
- 2. First and Last Principles of Instruction
- 3. Fifteen Education 20/20 Activities
- 4. Read Any Good Books Lately?
- 5. Megatrends of Learning: Engagement, Access, and Customization (30 ways that learning is changing...)
- 6. Overcoming Resistance







What happens to sleeping students?





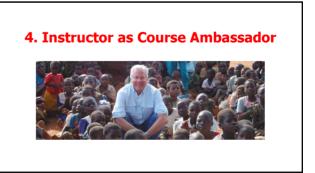














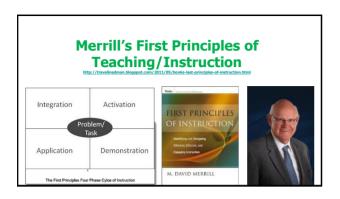


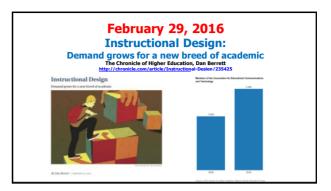


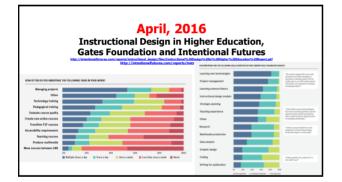




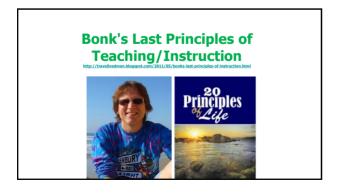


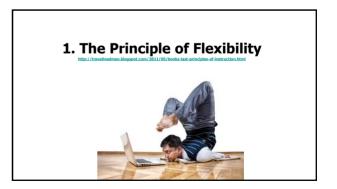




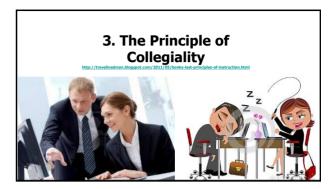




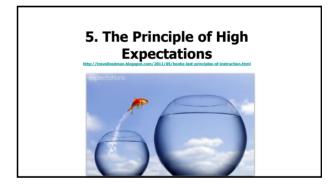


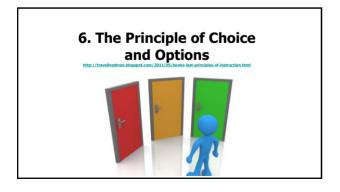


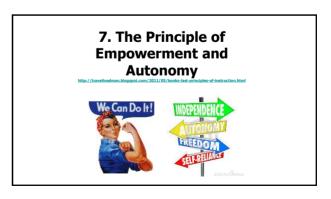




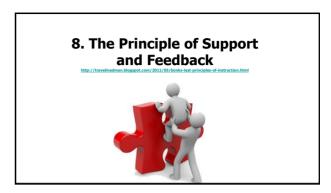


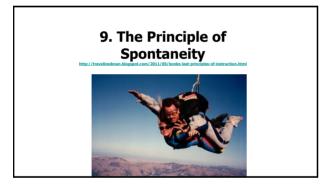


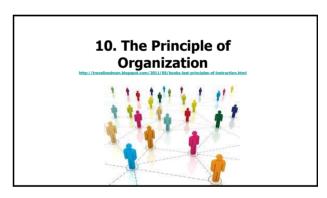




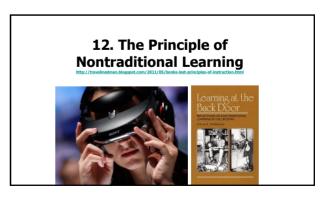




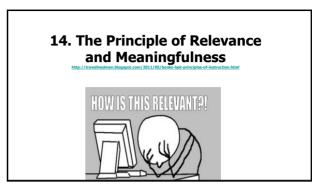


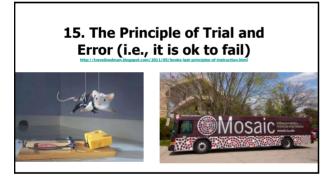


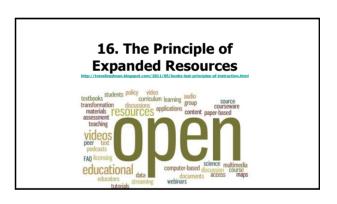


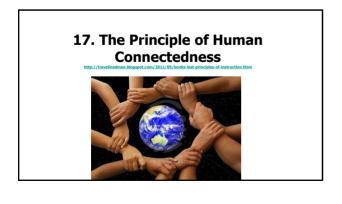


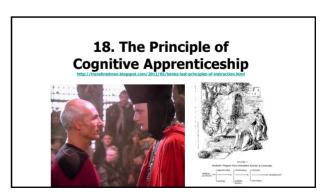


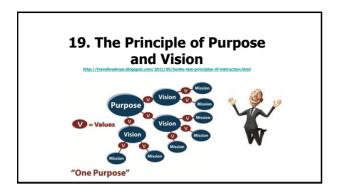






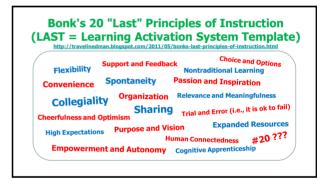
















1. Just in Time Teaching (online warm-up activities)

- · Assign a problem before class.
- Evaluate solutions.
- · Change class based on results.







2. Just-In-Time Syllabus

Syllabus is created as a "shell" which is thematically organized and contains print, video, and web references as well as assignments. (Goals = critical thinking,

collab, develop interests)
e.g., To teach or expand the discussion of supply or elasticity, an instructor might add new links in the Just-in-Time Syllabus to breaking news about rising gasoline prices.



3. Online Resource Library (ORL) or Library Day

(e.g., The Thompson Library at Ohio State Univ.)







4. Reflection Papers: Job **Application and Trend Papers**

- Have students write papers about emerging trends in the field.
- · Have them select topics from a list or suggest topics. Give sample papers.
- · Perhaps have them present their trend and job applications papers to class.





5. Online Scholar Debate Panel or **Symposium**

- Instead of role play, form online debate panels or symposia on particular topics.
- · Set the time for each debate or open it up for an entire week.
- · Or bring in expert guests for the debate or





6. Online Role Play Personalities

- · List possible roles or personalities (e.g., coach, questioner, optimist, devil's advocate, etc.)
- · Sign up for different role every week (or for 5-6 key roles during semester)
- · Perform within roles—try to refer to different personalities





04:57

7. Poster Sessions and Gallery Tours

- Have students create something--flowchart, timeline, taxonomy, concept map.
- Have half of the students present for 15-20 minutes and then reverse roles.
- · Post these in the course management system.
- Discuss, rate, evaluate, etc.



8. 99 Second Quotes and Set Time Presentations



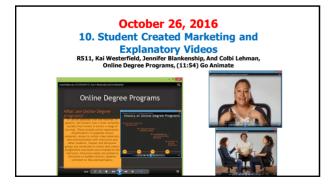
 You get 99 seconds to share it and explain why you choose it in a sync chat

• Options: Discussion wrapped around quote



October 26, 2016 8. Student Exploration Video R511, Merge Basdogan, Self-Regulated Learning (6:08) Note: The standard control of the standard control





11. Cool Resource Provider (Bonk, 2004)

- Have students sign up to be a cool resource provider once during the semester.
- Have them find additional paper, people, electronic resources, etc.
- Share and explain what found with class.





12. Volunteer Technology Demos (Bonk, 1996)

- Take students to a computer lab.
- Have students conduct a technology demonstration that relates to something from the class (replaces an assignment).
- Include handout
- Debrief





13. Best 3 Activity (Thiagi, personal conversation, 2003)

- After a lecture, have students decide on the best 3 ideas that they heard (perhaps comparing to a handout).
- Work with another who has 3 as well and decide on best 3 (or 4).
- Those pairs work with another dyad and decide on best 3 (or 4).
- · Report back to class.



14. One Visual Exercises

- Tell students to bring in one visual representing their outside readings.
- Have students become the instructors using that visual.



15. Goals and Expectations Charts (L = Cost, L = Risk, M = Time)

- What do you expect from this class, lesson, workshop, etc., what are your goals, what could you contribute?
 Write short and long terms goals down on goal cards and post to discussion forum.
- c. Write 4-5 expectations for this session.
- d. Expectations Flip Chart (or online forum):
- e. Debrief.

Goals





More in this free book...! http://tec-variety.com/





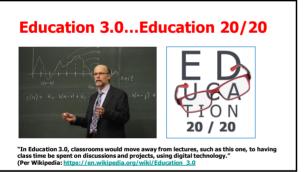
Clearly... **Learning is Changing!**



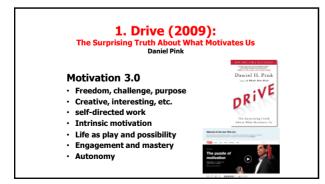




















6. Mindset (2006): The New Psychology of Success

Carol Dweck

- Growth vs. fixed (i.e., entity) theories of intelligence
- · Intelligence is not fixed
- Practice, practice, practice
- Do not blame others
- · Learning goals over performance goals
- · Asks: What can I learn from this?
- Asks: How can I improve?



7. Creativity, Inc. (2014) Ed Catmull, President of Pixar Animation and Disney Animation http://www.creativityincbook.com/

8. Creativity, Inc.

Ed Catmull, President of Pixar Animation and Disney Animation

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- Give a good idea to a mediocre team, and they will screw it up. But give a mediocre idea to a great team, and they will either fix it or come up with something better.
- If you don't strive to uncover what is unseen and understand its nature, you will be ill prepared to lead.
- It's not the manager's job to prevent risks. It's the manager's job to make it safe for others to take them.



Makers:

The New Industrial Revolution (DIY Culture)
Chris Anderson (2012)

- · People make products (and from home)
- Technology (e.g., 3-D printing) makes us all manufacturers
- · Instant connections to potential customers
- · Hold up things you personally design
- · Desktop fabrication
- · Do-it-yourself (DIY) industry





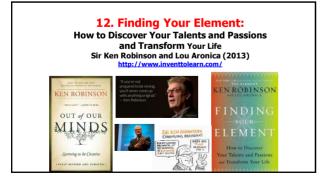
11. Creating Innovators

Tony Wagner (2012)

http://creatinginnovators.com/
Most Likely to Succeed (2015):
Preparing Our Kids for the Innovation Era
Tony Wagner and Ted Dintersmith
http://www.tonywagner.com/1933

- Play
- Passion
- · Purpose and life goals
- Open cultures of innovation and interdisciplinary problem solving
- Collaboration
- Intrinsic motivation





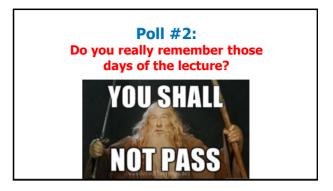
Finding Your Element:

How to Discover Your Talents and Passions and Transform Your Life By Lou Aronica and Ken Robinson (2013) http://www.inventtolearn.com/

- Find your zone (deep in the throes of exploration and personal passion)
- Think differently (make fresh connections and analogies; avoid groupthink)
- Do something, develop your creative ideas
- Use your imagination, play with ideas
- · Free and open exchange of ideas
- Encourage expression of personal ideas/feelings

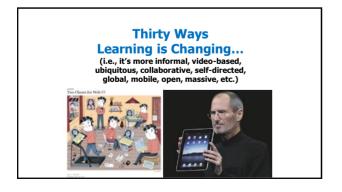




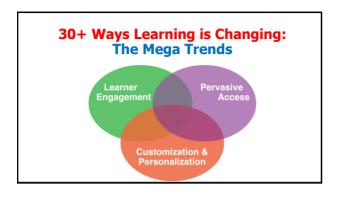








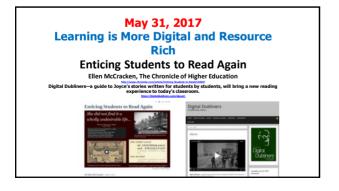
























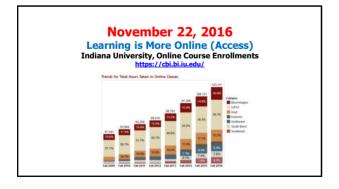


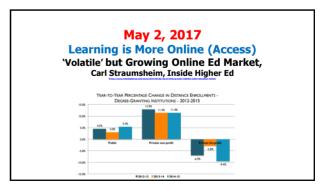


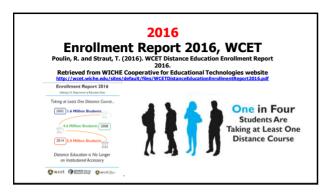








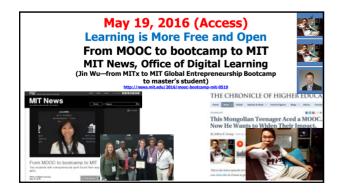






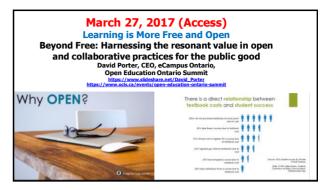


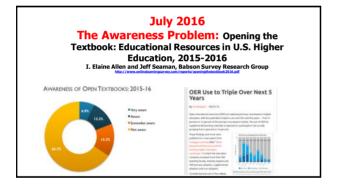


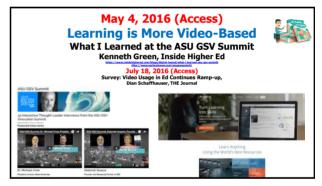








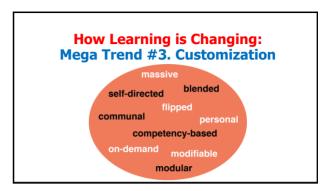














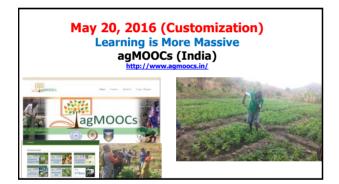




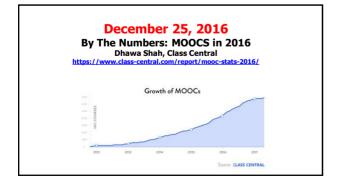








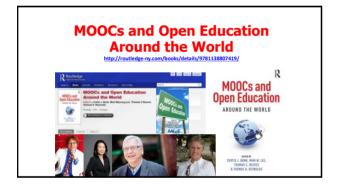




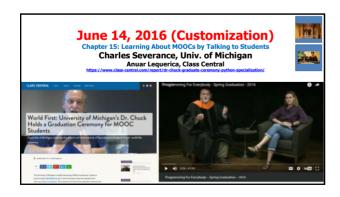






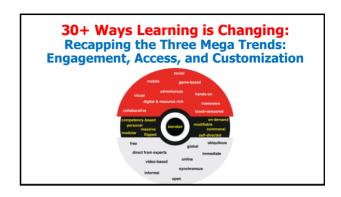


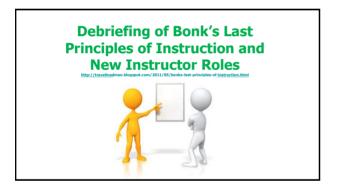


















3. Modeling



4. Mentoring and Coaching







Poll #3: Does all this give you a headache?



Not Me...I am happy! and... My minions are happy!



Poll #4: Who is now interested in Education 20/20...?













