

## Education 20/20: Toward a Vision of Blended Learning Ideas and Beyond

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Fall 2014, On Wisconsin  
MOOC, Meet MORC (Massive Open Radio Course)  
WHA, UW Madison, College of the Air, 1933,  
Vocational Training dedicated to Agriculture,  
and later Home Economics and Typing



May 10, 2013  
10 ed-tech tools of the 70s, 80s, and 90s  
eSchool News, Meris Stansbury  
<http://www.eschoolnews.com/2013/05/10/10-ed-tech-tools-of-the-70s-80s-and-90s/print/>



This is a new age of  
learning and instruction...!



## Education 20/20



### 1. Instructor as Counselor



## 2. Instructor as Consultant



## 3. Instructor as Conductor



## 4. Instructor as Course Ambassador



## 5. Instructor as Curator



## 6. Instructor as Concierge



## 20 New Roles of the Instructor

**Captain** **Course Ambassador** **Consumer Advocate**  
**Counselor** **Curator**  
**Conductor** **Concierge** **Cook** **Change Catalyst**  
**Camping Trip Guide** **Comedian**  
**Consultant** **Course Expedition Leader** **Coach**  
**Community Organizer** **Chemist** **Collaborator**  
**Cultivator** **Colleague** **Care Giver**

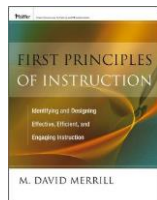
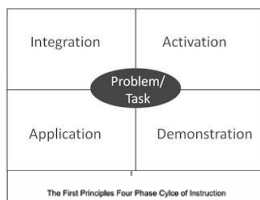
## The Creation of Effective Learning Environments

<http://study.com/academy/lesson/learning-environment-in-the-classroom-definition-importance.html>



## Merrill's First Principles of Teaching/Instruction

<http://travellinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## Bonk's Last Principles of Teaching/Instruction

<http://travellinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 2. The Principle of Convenience

<http://travellinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 5. The Principle of High Expectations

<http://travellinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 6. The Principle of Choice and Options

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 8. The Principle of Support and Feedback

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 9. The Principle of Spontaneity

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



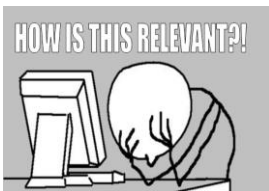
## 11. The Principle of Sharing

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 14. The Principle of Relevance and Meaningfulness

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 15. The Principle of Trial and Error (i.e., it is ok to fail)

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 16. The Principle of Expanded Resources

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## 17. The Principle of Human Connectedness

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>



## Bonk's 20 "Last" Principles of Instruction (LAST = Learning Activation System Template)

<http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html>

Flexibility      Support and Feedback      Choice and Options  
 Convenience      Spontaneity      Nontraditional Learning  
 Collegiality      Organization      Passion and Inspiration  
 Sharing      Relevance and Meaningfulness  
 Cheerfulness and Optimism      Trial and Error (i.e., it is ok to fail)  
 High Expectations      Purpose and Vision      Expanded Resources  
 Empowerment and Autonomy      Human Connectedness      #20 ???  
 Cognitive Apprenticeship

## TEC-VARIETY Recap



### What motivates?

1. **Tone/Climate:** Psychological Safety, Comfort, Sense of Belonging
2. **Encouragement:** Feedback, Responsiveness, Praise, Supports
3. **Curiosity:** Surprise, Intrigue, Unknowns
4. **Variety:** Novelty, Fun, Fantasy
5. **Autonomy:** Choice, Control, Flexibility, Opportunities
6. **Relevance:** Meaningful, Authentic, Interesting
7. **Interactivity:** Collaborative, Team-Based, Community
8. **Engagement:** Effort, Involvement, Investment
9. **Tension:** Challenge, Dissonance, Controversy
10. **Yielding Products:** Goal Driven, Purposeful Vision, Ownership

在线学习动机与激励：  
TEC-VARIETY 模型

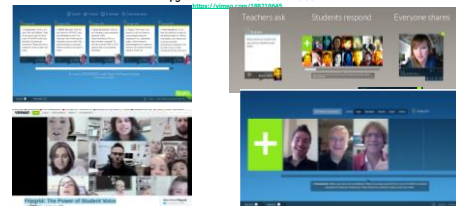
November 10, 2016

### 1. Tone/Climate:

### A. Threaded Video Discussions and Questions (e.g., Flipgrid)

<http://flipgrid.com/#429f88c5>

Flipgrid: The Power of Student Voice

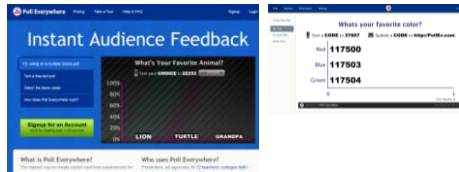




## 2. Encouragement, Feedback:

### A. Blog and Website Polling

(e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)  
<http://www.pollerywhere.com/>



## 2. Encouragement, Feedback:

### B. Voice/Audio Feedback

Vocaroo: <http://vocaroo.com/>  
<http://vocaroo.com/delete/sbX8moQAYAiU/a37bbc9408bb8c95>  
 (Recorded by Curt Bonk for the Open University of China)



## 3. Curiosity, Surprise, Intrigue, Unknowns:

### A. Summary and Comparison Maps

#### A Map Showing How Much Time It Takes to Learn Foreign Languages: From Easiest to Hardest, Open Culture

<http://www.openculture.com/2012/12/26/learning-how-much-time-it-takes-to-learn-the-top-10-foreign-languages-from-easiest-to-hardest.html>



April 17, 2017

## 3. Curiosity, Intrigue, Unknowns:

### B. 1st woman to officially run Boston Marathon does it again, 50 years later

#### Emanuella Grinberg, CNN, USA Today

<http://www.cnn.com/2017/04/17/us/boston-marathon-kathi/joe-sallazar-37m/index.html>



## 4. Variety, Novelty, Fun, Fantasy:

### A. Random Lists

(Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)



October 5, 2016

## 4. Variety, Novelty, Fun, Fantasy:

### B. Online Test/Quiz Review Games

(e.g., Jeopardy Rocks)

<https://www.jeopardy.rocks/r511merve/>



**April 3, 2017**  
**4. Variety, Novelty, Fun, Fantasy:**  
**C. Kahoot!**

<https://getkahoot.com/>

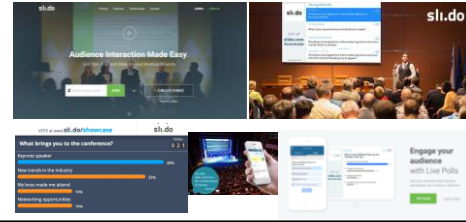
**July 31, 2017**

**I'm in 'Kahoots' with Technology in the Classroom**  
**Cassandra OSullivan Sachar, Faculty Focus**



**April 3, 2017**  
**4. Variety, Novelty, Fun, Fantasy:**  
**D. Sli.do**

<https://www.sli.do/>



**5. Autonomy, Choice:**

**A. Design Multimedia Glossaries**

P540 Final Assignment: Nate Wynne, Supersized Personal Course Glossary

<http://natewynne1962.wix.com/p540courseglossary>

Ozgur Ozdemir, December 2012

<http://r68sglossary.shutterstock.com/>

Umida Khikmatillaeva, Dec. 2011, P540

<http://learningplanet.shutterstock.com/>



**Jan. 20, Oct. 13, & Nov. 2016 (Zoom)**

**6. Relevance, Meaningfulness:**

**A. Weekly Guest Expert Chats**

R511 Chat with Mike Molenda, IU



**6. Relevance, Meaningfulness:**  
**B. Case-Based Learning: Instructor Cases**  
**(e.g., Mark Braun, IU)**



**September 3, 2017**  
**6. Relevance, Meaningfulness:**  
**C. Mindmap Recaps of Online Discussions**

**Mindmap of Week 2 of R511**



**September 20, 2016**  
**6. Relevance, Meaningfulness:**  
**D. Editing Wikipedia Pages**

College students take to Wikipedia to rewrite the wrongs of Internet science, Rosanna Xia, LA Times

<http://www.latimes.com/local/la-me-wikipedia-science-changed-july-20-2016-story.html>



Samantha Erickson, left, of the Wiki Education Foundation; Tina Brock, a dean of the School of Pharmacy at UC San Francisco; and professor Amin Azzam discuss implementing the integration of Wikipedia pages on medical topics with students' work. (David Butow / For The Times)

**7. Interactive, Collaborative:**  
**A. Negotiate Meanings Online**

(e.g., PiratePad: <http://meetingwords.com/>)  
<http://media.dena.edu/technology/collaborative-writing-applications-for-group-and-classroom-use/>  
 MeetingWords, Google Docs, NowComment, MixedInk



**7. Interactive, Collaborative:**  
**B. Backchannel Chat (TodaysMeet)**

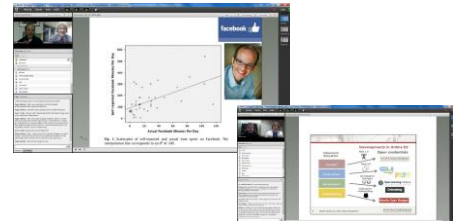
<https://todaysmeet.com/>

R678\_Emerging\_Learning\_Technologies

[https://todaysmeet.com/R678\\_Emerging\\_Learning\\_Technologies](https://todaysmeet.com/R678_Emerging_Learning_Technologies)



**7. Interactive, Collaborative:**  
**C. Guest Speaker Quotes**  
 (Rey Junco, February 25, 2013)



**8. Engagement, Involvement:**  
**A. Interactive Labs and Simulations**

<http://phet.colorado.edu/en/simulation/energy-skate-park>



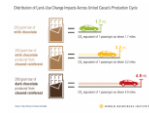
**8. Engagement, Involvement:**  
**B. Interpreting Infographics**

**August 5, 2015**

How much rainforest in that chocolate bar?  
 Global Forest Watch, Nancy Harris, Octavia Payne and Sarah Mann  
<http://blog.globalforestwatch.org/2015/08/how-much-rainforest-is-in-that-chocolate-bar/>

Land-Use Change Emissions in Miles Driven

2,000 Ha of cleared rainforest = 1.5B miles driven by passenger car = 58,819 trips around the earth



<http://t4.ly/rainforest-chocolate>

WORLD RESOURCES INSTITUTE



**December 13, 2016**  
**9. Tension, Challenge, Controversy, etc.:**  
**A. Controversial Issue Debates**  
 Librarians for Instructional Technology, Latrice Booker, R511, Fall 2016  
<http://bookerl2000.wixsite.com/librarianforit/cognitivism>



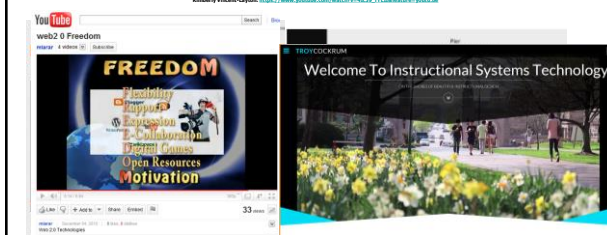
**9. Tension, Challenge, Controversy, etc.:**  
**B. Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice**

Christine Dell'Amore, National Geographic, August 3, 2015  
[http://natgeo.com/content/dellamores\\_meltemianskikh\\_snowcenter\\_and\\_oh\\_captainblue](http://natgeo.com/content/dellamores_meltemianskikh_snowcenter_and_oh_captainblue)



**10. Yields Products, Goals:**  
**A. Student Created Recap Videos**

Piercarlo Abate: <https://www.youtube.com/watch?v=-TUr2H00u0d>  
 Qi Li, Gengam: <http://www.youtube.com/watch?v=7Q428qzAUA4&feature=youtu.be>  
 Miguel Lara Web 2.0 FREEDOM: <http://www.youtube.com/watch?v=BmC2W0W0W>  
 Kendal Rasnake (Is IT Right For You?): <https://www.youtube.com/watch?v=HJ3GUDIC6w>



**March 12, 2016**  
**10. Yields Products, Goals:**  
**B. Student Generated Timelines, Taxonomies, and Concept Maps**

R678 John Falchi, *Timeglider, An Abbreviated History of Distance Education*  
<http://timeglider.com/12042402-44000000-0000-0000-0000-000000000000>



**December 12, 2017**  
**Yields Products, Goals:**  
**C. Student Website Development**  
 R511 Student Final Projects, Lisa Milsom and Michale Siverio:  
<https://msiverio.wixsite.com/r511>



**What about Model #1: R2D2?**



## More in this free book...

<http://tec-variety.com/>



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## Things are heating up...



## Education 20/20 is coming within reach!



## We are entering a jumping off point...

(South University of Science and Technology of China, Wednesday June 10, 2015)



## Remember for Education 20/20 to make an impact: "I cannot do this alone."

"I cannot do this alone."  
"I cannot do this alone."  
"I cannot do this alone."



## Any Questions or Comments?

Slides at: [TrainingShare.com](http://TrainingShare.com)  
Papers: [PublicationShare.com](http://PublicationShare.com)  
Free book: <http://tec-variety.com/>  
Email: [cjbonk@indiana.edu](mailto:cjbonk@indiana.edu)

