Learning is Changing Part 2: Quality Matters, Faculty Preparedness, and the TEC-VARIETY Model

Curtis J. Bonk, Professor, Indiana University
cjbonk@indiana.edu
http://mypage.iu.edu/~cjbonk/

So what is online quality?

https://www.qualitymatters.org/rubric
http://odl.arizona.edu/about/quality-matters

So what is online quality?

February 7, 2016
When They Promise the Netflix for Education, Cover Your Wallet
Inside Higher Ed, John Warner

Instructor Roles Changing
(Instructor as Cat Herder?)
Poll #1: Do you really remember those days of the lecture?

From Instructor as Credit Manager...to...

1. Instructor as Counselor

2. Instructor as Consultant

Learning is More Interactive and Collaborative

Instructor as Conductor
4. Instructor as Course Ambassador

5. Instructor as Curator

6. Instructor as Concierge

Age of Instructor as Curator, Concierge, Counselor, etc.

This Generation of Students

Needed: New Models of Motivation and Engagement
Poll #2: Do you know what happens to sleeping students?

What did Jean-Luc Picard say?

That’s right, Engage!

Poll #3: Million Dollar Question:
What words come to mind when I say that I want to motivate learners?

Motivation Research Highlights
(Jere Brophy, Michigan State University)

1. Supportive, appropriate challenge, meaningful, moderation/optimal.
2. Teach goal setting and self-reinforcement.
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.
Poll #4: Read any good books lately?

1. Drive: The Surprising Truth About What Motivates Us
Daniel Pink (2009)

- Freedom, challenge, purpose
- Creative, interesting, etc.
- Self-directed work
- Intrinsic motivation
- Life as play and possibility
- Engagement and mastery
- Autonomy

2. Grit: The Power of Passion and Perseverance
Angela Duckworth (2016)

- 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?

Carol Dweck (2006)
http://mindsetonline.com/index.html

- Growth vs. fixed (i.e., entity) theories of intelligence
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- Asks: How can I improve?

May 11, 2016
Carol Dweck Says Theory of Educational Mind-Set Is Often Misunderstood
Goldie Blumenstyk, Chronicle of Higher Education
http://chronicle.com/article/Carol-Dweck-Says-Theory-of/236453?

Carol Dweck, a psychologist at Stanford U., examines “the whole question of why some people take on challenges and see them through.”

Ed Catmull, President of Pixar Animation and Disney Animation
http://www.creativityincbook.com/
Poll #5: What if you read these books?

Intrinsic Motivation

“...innate propensity to engage one's interests and exercise one's capabilities, and, in doing so, to seek out and master optimal challenges (i.e., it emerges from needs, inner strivings, and personal curiosity for growth)


Framework: TEC-VARIETY for Online Motivation and Retention
1. Tone/Climate: Psych Safety, Comfort, Belonging
2. Encouragement, Feedback: Responsive, Supports
3. Curiosity: Fun, Fantasy, Control
4. Variety: Novelty, Intrigue, Unknowns
5. Autonomy: Choice: Flexibility, Opportunities
6. Relevance: Meaningful, Authentic, Interesting
7. Interactive: Collaborative, Team-Based, Community
8. Engagement: Effort, Involvement, Excitement
9. Tension: Challenge, Dissonance, Controversy
10. Yields Products: Goal Driven, Products, Success, Ownership

Introducing the free “TEC-VARIETY” Framework...
http://tec-variety.com/

Examples of TEC-VARIETY

Low Risk → High Risk
1. Risk
Easy to Embed
Extensive Planning
2. Time
Free or Inexpensive
Enterprise Licenses
3. Cost
Instructor-Focus
Student-Focus
4. Student-Centered
Low
High
1. Tone/Climate: A. Threaded Video Discussions, e.g., Flipgrid
   http://flipgrid.com/#429f88c5

B. Share Visuals of Favorite Places (e.g., Panoramio, http://www.panoramio.com/)

C. Instructor Course Introductions
   (Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)
   https://www.youtube.com/watch?v=_Wzbzc3QiiA
   Chuck Severance, U Michigan/Coursera in Barcelona
   http://www.youtube.com/watch?v=JzNHvmSv8TI
   Chuck Severance, University of Michigan
   https://www.coursera.org/course/pythonlearn

2. Encouragement, Feedback, etc.: A. Demonstrations and Tutorials
   Emerging technology specialist, IU UITS, Nitocris Perez, May 29, 2014

2. Encouragement, Feedback, etc.: B. Blog and Website Polling
   (e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)
   http://www.polleverywhere.com/

3. Curiosity, Fun: A. Something in the News
   (e.g., Chinese universities move up in world rankings, China Daily)
   http://www.chinadaily.com.cn/2014-12/17/content/18157739.htm

May 25, 2015

3. Curiosity, Fun: B. Something in the News
   (e.g., Fauja Singh, 101, finishes last race)
January 14, 2016
3. Curiosity, Fun: B. Something in the News
Move over T. rex, new dinosaur unveiled, Amanda Jackson, CNN
http://www.cnn.com/2016/01/14/living/titanosaur-new-dinosaur-on-display-new-york-airport/
4. Variety, Novelty, Fun, Fantasy:
B. Voice/Audio Feedback

Vocaroo: http://vocaroo.com/
http://vocaroo.com/delete/stk8smeQAYAju/a37bc949b74bcf95
(Recorded by Curt Bonk for the Open University of China)

4. Variety, Novelty, Fun, Fantasy:
C. Video Editing and Commenting Tools (e.g., TubeChop)

How Does It Work?
1. Find the video you want to chop.
2. Select & cut interesting part of the video.
3. Share it with friends.

5. Autonomy, Choice:
A. Enroll in a MOOC and Reflect (e.g., see Class Central)

5. Autonomy, Choice:
B. Design Multimedia Glossaries

December 8, 2015

December 8, 2015

5. Autonomy, Choice:
C. Video Repositories and Portals (e.g., Khan Academy, Computer Programming)

5. Autonomy, Choice:
D. Tracking the Life of a Computer Scientist (bio.com)

http://www.biography.com/people/steve-jobs-9354805
http://www.biography.com/people/ada-lovelace-20825323
Poll #6:
Any light bulbs going off in your head so far...?
A. Yes definitely***
B. Yes maybe!
C. Not yet (but hopefully soon...)

October 16, 2015
6. Relevance, Meaningfulness:
B. Case Learning from the News (e.g., Newseum Ed)
https://newseumed.org/
June 12, 2015
6. Relevance, Meaningfulness:
C. Something in the News and Infographic
Twitter CEO Dick Costolo replaced by co-founder Jack Dorsey, Laura Onita

7. Interactive, Collaborative:
A. Negotiate Meanings Online (e.g., PiratePad: http://meetingwords.com/)
MeetingWords, Google Docs, NowComment, MixedInk

7. Interactive, Collaborative:
B. Virtual Sharing Walls, April 6, 2015
e.g., Padlet (What is your secret recipe to engage?) http://padlet.com/zaid_alsagoff/engage
7. Interactive, Collaborative:
C. Backchannel Chat (TodaysMeet)
https://todaysmeet.com/
R678_Emerging_Learning_Technologies
https://todaysmeet.com/R678_Emerging_Learning_Technologies

7. Interactive, Collaborative:
D. Synchronous Interactions
(e.g., Skype, Zoom, Google Hangouts, Flat Connections, etc.)
http://www.flatconnections.com/
Global Collaboration Projects that Go Way Beyond Skype

April 28, 2016
7. Interactive, Collaborative:
E. Shindig, Video Chat Tool
Future Trends Forum
(with Bryan Alexander)
https://bryanalexander.org/

8. Engagement, Effort:
A. Intercultural learning
Virtual and on-site exchanges between York University students, refugee students on the Thai Burma border and displaced migrant students in Ranong, Thailand, and York University, Toronto, Canada
http://aifprojects.yorku.ca/projects/intercultural-learning-thailand-2012-13/

8. Engagement, Effort:
B. Interactive Timeline Maps,
October 22, 2014, Second immigration wave lifts diversity to record high, Edward Greg Toppo and Paul Overberg, USA Today

8. Engagement, Effort:
C. Interactive Map Timelines
(adults with college degrees by county, May 7, 2012)
8. Engagement, Effort: D. Simulations

March 13, 2015
9. Tension, Challenge, etc.: A. Controversial Issue Debates
RS11 Midterm Video How to Create an Authentic Environment in a Content-Driven School?, RS11, Nick and Nik
https://www.youtube.com/watch?v=Bcr3_aZT_xQ&feature=youtu.be

10. Yields Products, Goals:
A. Uploading Mobile Books and Wikibooks (e.g., BookRix, http://www.bookrix.com/)

10. Yields Products, Goals:
B. Student Created Mobile Apps
The App Builder: http://www.theappbuilder.com/
Mintian Guo: http://myapp.is/r685final

10. Yields Products, Goals:
C. Student Created Videos
Piercarlo Abate: http://www.youtube.com/watch?v=_TURzHO0aU
Qi Li, Gangnam: http://www.youtube.com/watch?v=7Q429lqxZaU&feature=youtu.be
Miguel Lara (Web 2.0 FREEDOM): http://www.youtube.com/watch?v=8cmCFWi9lW8
Kendal Rasnake (Is IT Right For You?): https://www.youtube.com/watch?v=MJ3GUDICIGw

10. Yields Products, Goals:
C. Student Created Videos

R678 Final Projects, April 2016
The Making of an Adventurer (video), Troy Cockrum
https://www.youtube.com/watch?v=ew6e7Chd9I8
10. Yields Products, Goals: D. Collection Tools
Design Article Database in Pinterest, Jenny Webeck
https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/

Commitments: Stop and Share:
Which principle(s) of TEC-VARIETY will you use?

- Tone/Climate
- Encouragement, Feedback
- Curiosity
- Variety
- Autonomy
- Relevance
- Interactive Engagement
- Tension

Yields Products

Poll #7: Which do you prefer...
(A) TEC-VARIETY or (B) R2D2?

Overcoming the Resistance Movement

1. Incremental Change
2. Shared Success Stories and Best Practices

3. Training and Development

4. Just-in-Time Support

5. An Atmosphere of Sharing

6. Awards and Incentives

7. Modeling
8. Mentoring and Coaching

9. External Supports

10. Frameworks and Models

Merrill’s First Principles of Instruction
http://mdavidmerrill.com/Papers/FirstPrinciplesReigeluthCarr.pdf

Bonk’s Last Principles of Teaching/Instruction
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html
1. The Principle of Flexibility
   http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

2. The Principle of Convenience
   http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

3. The Principle of Collegiality
   http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

4. The Principle of Cheerfulness and Optimism
   http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html

5. The Principle of High Expectations
   http://travelinedman.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
7. The Principle of Empowerment and Autonomy
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

10. The Principle of Organization
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

12. The Principle of Nontraditional Learning
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html
13. The Principle of Passion and Inspiration
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

18. The Principle of Cognitive Apprenticeship
http://travelinedman.blogspot.com/2011/05/bonks-last-principles-of-instruction.html
19. The Principle of Purpose and Vision

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

"One Purpose"

20. ??? (what is missing)

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

Debriefing of Bonk’s Last Principles of Instruction and New Instructor Roles

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

We are entering a jumping off point...
(South China Normal University, Friday June 12, 2015)

Activity #1:
What are 3 things that you learned?

Activity #2:
Share Three Words from this Session!
My three words...
“I am happy!”
and...
My minions are happy!

Things are heating up!
http://routledge-ny.com/books/details/9781138807419/

Things are heating up!

And coming within reach!

Bonk Raffle... Book Raffle: MOOCs and Open Education Around the World
http://routledge-ny.com/books/details/9781138807419/

Poll #8: What happens next...?
Any Comments or Questions? ("I cannot do this alone.")

Remember:
Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://tec-variety.com/
Dr. Curt Bonk – CJBonk@Indiana.edu