Masterclass #1
Engage Number One:
This is the Next Generation
Curtis J. Bonk, Professor, Indiana University
cjbonk@indiana.edu
http://mypage.iu.edu/~cjbonk/

This Generation of Students

Learning is More Video-Based
Online Learning Polyglots
Timothy posts videos of himself speaking several languages on YouTube.

Learning is More Mobile, On Demand, and Online
MBAs from War Zones…!

Motivation and Engagement

How do we engage online?
Drive: The Surprising Truth About What Motivates Us

Motivation 3.0

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

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

What did Jean-Luc Picard say?
That's right, Engage!

Poll #1: 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.
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

Education 3.0?

Introducing the free “TEC-VARIETY” Framework...

http://tec-variety.com/


Examples of TEC-VARIETY

1. Tone/Climate:
   A. 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
1. **Tone/Climate**: B. Threaded Video Discussions, e.g., Flipgrid
   
   http://flipgrid.com/#429f88c5

2. **Encouragement, Feedback, etc.**: A. Demonstrations and Tutorials
   B. Tutorials with Screen Capture (e.g., Jing, Screenr, GoView, etc.)
   

3. **Encouragement, Feedback, etc.**: B. Voice/Audio Feedback
   
   Vocaroo: http://vocaroo.com/
   
   http://vocaroo.com/delete/ab870e92QfTAu/sa76b6c040b5d8c09
   (Recorded by Curt Bonk for the Open University of China)

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1. **Tone/Climate**: Social Ice Breakers

C. 8 nouns (adjectives, verbs)

- List of nouns (e.g., pirate, computer, traveler, roadrunner, wind, bookworm, musician, mentor, etc.)
- List of adjectives (e.g., lazy, powerful, shy, bored, exotic, cooperative, sloppy, rebel, etc.)
- List of verbs (e.g., coordinate, entertain, amuse, push, unite, beg, dream, publicize, etc.)

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

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2. **Encouragement, Feedback, etc.**: C. Online Practice Tests and Quizzes (e.g., CPA Flashcards and Human Embryology Animations)
2. Encouragement, Feedback, etc.: D. Blog and Website Polling
(e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)
http://www.polleverywhere.com /

2. Encouragement, Feedback, etc.: E. Online Accounting Lessons
(e.g., Lyryx; https://lifa.lyryx.co)

June 12, 2015
3. Curiosity, Fun: A. Something in the News and Infographic
Twitter CEO Dick Costolo replaced by co-founder Jack Dorsey, Laura Onita

3. Curiosity, Fun: B. Something in the News
(e.g., This may be the oldest surviving Photo of a human, November 7, 2014, CNN, Brandon Griggs: But this image, taken in Paris, France, in 1838)

May 25, 2015
3. Curiosity, Fun: C. Database Searching
(e.g., WolframAlpha)
http://www.wolframalpha.com

3. Curiosity, Fun: 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
4. Variety, Novelty, Fun, Fantasy:
A. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)

5. Autonomy, Choice:
A. Attend Webinar (pick weeks and reflect)
Cathy Davidson, The End of Higher Education
http://connectedcourses.net/thecourse/why-we-need-a-why/
Accounting Today Webinars
http://www.accountingtoday.com/web-seminars/

B. Explore OpenCourseWare and Open Educational Resources

C. Video Repositories and Portals
(e.g., Khan Academy, Computer Programming)
https://www.khanacademy.org/computing/computer-programming

Poll #2:
Any light bulbs going off in your head so far…?
A. Yes definitely***
B. Yes maybe!
C. Not yet (but hopefully soon…)

6. Relevance, Meaningfulness:
A. Guest Chats (e.g., Emily Hixon, January 20, 2015)
https://connect.iu.edu/p259wpiabg9/
6. Relevance, Meaningfulness:
   B. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules (Franklin University, cost and forensic accounting course)
   [Video Scenario](http://video.franklin.edu/Franklin/acct/managerialAccounting/cost-behavior-player.html)
   [Cost and Forensic Accounting Course Review](http://video.franklin.edu/Franklin/acct/342/common/fraudScenario02.html)

7. Interactive, Collaborative:
   A. Negotiate Meanings Online (e.g., PiratePad: [http://meetingwords.com/](http://meetingwords.com/))
   [PiratePad](http://meetingwords.com/)
   [MeetingWords](http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/)
   [Google Docs, NowComment, MixedInk](http://meetingwords.com/)

7. Interactive, Collaborative:
   B. Virtual Sharing Walls, April 6, 2015
   [Padlet](http://padlet.com/charu/pocketfullofdesign1)

7. Interactive, Collaborative:
   C. Backchannel Chat (Today's Meet)
   [Today's Meet](https://todaysmeet.com/R678_Emerging_Learning_Technologies)

7. Interactive, Collaborative:
   D. Collaboration and Discussion in Google Hangouts, Jabber, Skype, etc
   (January 29 and February 25, 2013)

8. Engagement, Effort:
   A. iPhone Virtual Tour and Games
   Amazing 360-degree panoramic images show new sides of North Korea, DMZ, CNN, Aram Pan
   [Amazing North Korea Photos](http://www.cnn.com/2015/07/22/travel/gallery/dprk-360-north-korea-photos/)
8. Engagement, Effort:
B. Simulations

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

8. Engagement, Effort:
E. Google Map Gallery
September 16, 2014

March 15, 2015
9. Tension, Challenge, etc.:
A. Controversial Issue Debates
SXSW: Tackling the growing gender gap in technology
Mike Snider, USA Today

August 20, 2015
9. Tension, Challenge, etc.:
B. Controversial Issue Debates
U.S. sees big spike in black and Hispanic women entrepreneurs, Tanzina Vega, CNN Money
10. Yields Products, Goals: A. Goal Setting Tools
(e.g., iDoneThis, Milestone Planner, and 43 Things)

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

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

10. Yields Products, Goals: D. 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

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

Recap and Reflect with Neighbor:
Explore Websites from this Session!
Masterclass Part II
Where Are You R2D2?:
Addressing Diverse Learner Needs with the Read, Reflect, Display, and Do Model

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

Ok, how do you now view the instructor in the Open World of Education?

From Instructor as Credit Manager...

Instructor as Curator

Instructor as Concierge

Addressing Learning Styles
**Question:** How can technology address diverse learner needs?

**Framework #2: The R2D2 Model**

1. **Read** (Auditory and Verbal Learners)
2. **Reflect** (Reflective Learners)
3. **Display** (Visual Learners)
4. **Do** (Tactile, Kinesthetic, Exploratory Learners)

**August 12, 2015**

Create Engaging Learning Experiences


Southern Illinois University, Carbondale, Illinois
Heidi Lynn Jung and Cheryl L Bosarge
Instructional Designer
Center for Teaching Excellence
Heidi Lynn Jung, hjung@siu.edu
Cheryl L Bosarge, cbosarge@siu.edu

**The R2D2 Method**

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)
1. Auditory or Verbal Learners
   • Auditory and verbal learners prefer words, spoken or written explanations.

Read 1a. Collect and Listen to Interactive Stories
      (e.g., Meograph: http://www.meograph.com/)

Read 1b. Twitter Fed Class Discussions
      Live Tweeting Assignments: To Use or Not to Use?
      The Chronicle of Higher Education, Adeline Koh
      http://chronicle.com/blogs/profhacker/live-tweeting-assignments-to-use-or-not-to-use/58949

Read 1c. Grammar Checkers
      (e.g., Grammarly, Ginger, GrammarCheck, PaperRater, and SpellCheckPlus)
      http://www.grammarly.com/

Read 1d. Wikipedia Activities (searches, reviews, critiques, edits, reflections, etc.)

Read 1e. Video Tutorials, Demonstrations, and How-To’s
      Investopedia (videos, tutorials, etc.)
2. Reflective and Observational Learners

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives.

Reflect 1f. Review Blog Resources
(e.g., Martin’s Accounting Blog)

Reflect 2a. Big Issue Reflections
(Big Questions Online (BQO), Feb 3, 2015)
(e.g., Is curiosity essential for human flourishing?)

Reflect 2b. Case and Online Discussion (Kelley Direct, IU)

Reflect 2d. Interpreting Infographics
Google vs. Apple

Reflect 2e. Podcast Show Reflections
Reflect 2f. Workplace Internship, Practicum, and Field Experiences

Poll #3:
Any light bulbs going off in your head so far...?
A. Yes definitely
B. Maybe
C. No

3. Visual Learners
- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

Display 3a. Virtualize Words Used (e.g., Wordle, Tagzedo, Tagul, WordSift, Word It Out)

Display 3b. More 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/

Display 3c. Map Animations
Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice
Christine Dell’Amore, National Geographic, August 3, 2015
4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process through role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.
**Do 4a. Business Plans and Virtual Mentoring toward Goals, September 22, 2014, Chronicle of HE**

[Image]

**Do 4b. Design Article Database in Facebook, Jenny Webeck**
https://www.facebook.com/JennyBELTT/timeline
Dr. Bonk’s creative fun time group (R546)
https://www.facebook.com/groups/83089209323899/

[Image]

**Do 4c. Design Article Database in Pinterest, Jenny Webeck**
https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/

[Image]

**Poll #4: Which do you prefer… (A) TEC-VARIETY or (B) R2D2?**

[Image]

**Poll #5: How many ideas did you get from this talk?**

1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.

[Image]

**Any Questions?**
Try TEC-VARIETY...Try R2D2
Slides at: TrainingShare.com
Papers: PublicationShare.com
Free Book: http://tec-variety.com/
Dr. Curt Bonk – CJBonk@Indiana.edu

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