Super Masterclass 0.0: Engage, Number One:
This is the Next Generation

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This Generation of Students

Needed: New Models of Motivation and Engagement

How do we engage online?

What did Jean-Luc Picard say?

That's right, Engage!
Poll: 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.

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

Motivation 3.0

Mindset: The New Psychology of Success
Carol Dweck (2006)
http://mindsetonline.com/index.html
http://mindsetonline.com/testyourmindset/step1.php

This Generation of Students

What did Jean-Luc Picard say?
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/

在线学习动机与激励：TEC-VARIETY 模型

---激励和留住在线学习者的100个动因

作者: Curtis J. Rice & Elaine Khoo

Low Risk

<table>
<thead>
<tr>
<th>Low Risk</th>
<th>High Risk</th>
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</thead>
<tbody>
<tr>
<td>Easy to Embed</td>
<td>Extensive Planning</td>
</tr>
<tr>
<td>Free or Inexpensive</td>
<td>Enterprise Licenses</td>
</tr>
<tr>
<td>Instructor-Focus</td>
<td>Student-Focus</td>
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Examples of TEC-VARIETY

1. **Tone/Climate:**
   - **A. Threaded Video Discussions,** e.g., Flipgrid
     [http://flipgrid.com/#429f68c5](http://flipgrid.com/#429f68c5)
   - **B. Share Visuals of Favorite Places** (e.g., Panoramio, [http://www.panoramio.com/](http://www.panoramio.com/))
   - **C. Instructor Course Introductions** (Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)

2. **Encouragement, Feedback, etc.:**
   - **A. Demonstrations and Tutorials**
     Emerging technology specialist, IU UITS, Nitocris Perez, May 29, 2014
   - **B. Voice/Audio Feedback**
     [http://vocaroo.com/delete/1dx8maQhAYAi/s375c54986b8b35](http://vocaroo.com/delete/1dx8maQhAYAi/s375c54986b8b35)
     (Recorded by Curt Bonk for the Open University of China)
3. Curiosity, Fun:
A. Something in the News
September 5, 2014 (Dreadnoughtus)

March 3, 2016
Scientists to drill at site of dinosaur-killing asteroid crater, Jareen Imam, CNN

October 23, 2014: Goofy dinosaur blends Barney and Jar Jar Binks, SF Gate

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-irpt/

3. Curiosity, Fun:
C. Something in the News
September 7, 2015
New ‘Superhenge’? Remains found near Stonehenge, Monica Sarkar, CNN

3. Curiosity, Fun:
D. 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)

3. Curiosity, Fun:
E. Something in the News
April 1, 2016
(e.g., Potential Vikings site in North America spotted from space, Jareen Inman, CNN)

3. Curiosity, Fun:
F. Something in the News
(A team of scientists have uncovered a 2,500-year-old slab that may reveal details about the ancient Etruscan civilization; found in Temple foundation north of Florence, Italy.)
3. Curiosity, Fun: G. Virtual Expeditions
July 23, 2015
What Google’s virtual field trips look like in the classroom, eSchool News, Stephen Noonoo
https://www.google.com/edu/expeditions/
https://www.youtube.com/watch?v=mlYJdZeA9w4
http://www.eschoolnews.com/?p=159458

June 12, 2015
3. Curiosity, Fun: H. Something in the News and Infographic
Twitter CEO Dick Costolo replaced by co-founder Jack Dorsey, Laura Onita
http://search.eveningtimes.co.uk/news/2015/jun/twitter-costolo-dorsey.chm

March 8, 2016
3. Curiosity, Fun: I. Tracking the Life of a Computer Scientist (bio.com)
Reminder: The First Computer Programmer Was A Woman: Meet Ada Lovelace, Damon Beres, Huffington Post
http://www.biology.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. Enroll in a MOOC and Reflect (e.g., see Class Central)

December 8, 2015
5. Autonomy, Choice: B. Design Multimedia Glossaries
P540 Final Assignment: Nate Wynne, Supersized Personal Course Glossary
http://natewynne1982.wix.com/p540courseglossary
Ozgur Ozdemir, December 2012
http://r685glossary.shutterfly.com/
Umida Khikmatillaeva, Dec. 2011, P540
http://learningplanet.shutterfly.com/
5. Autonomy, Choice: Video Repositories and Portals (e.g., Khan Academy, Computer Programming)

6. Relevance, Meaningfulness:
   A. Guest Chats (e.g., Emily Hixon, January 20, 2015)

6. Relevance, Meaningfulness:
   B. Weekly Guest Expert Chats
   R511 Chat with Mike Molenda, IU
   R511 Chat Charles Graham, BYU

6. Relevance, Meaningfulness:
   C. Case Learning from the News (e.g., Newseum Ed)

Poll:
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:
   C. Case Learning from the News (e.g., Newseum Ed)

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 (Today's Meet)
https://today'smeet.com/
R678_Emerging_Learning_Technologies
https://today'smeet.com/R678_Emerging_Learning_Technologies

8. Engagement, Effort:
A. 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:
B. Interactive Labs and Simulations
http://phet.colorado.edu/en/simulation/energy-skate-park

8. Engagement, Effort:
C. Videos with Test Questions (e.g., TED Ed)
   (Lessons about every single element on the periodic table)
March 13, 2015

9. Tension, Challenge, etc.: A. Controversial Issue Debates
R511 Midterm Video How to Create an Authentic Environment in a Content-Driven School?, R511, Nick and Nik
https://www.youtube.com/watch?v=Bcr3_a27_xQ&feature=youtu.be

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

10. Yields Products, Goals: B. Student Created Videos
Piercarlo Abate: http://www.youtube.com/watch?v=_TURzHW0U
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. 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

Time to Stop and Think:
Explore Websites from this Session!
Find the lieu...
Take a 5 minute break...
Ok, how do you now view the instructor in the Open World of Education?

The role of the instructor being disrupted…
(Instructor as Cat Herder?)

From Instructor as Credit Manager…to...

1. Instructor as Counselor

2. Instructor as Conductor

3. Instructor as Course Ambassador
4. Instructor as Curator

5. Instructor as Concierge

Last but not least:
Framework #2: The R2D2 Model

Addressing Learning Styles with R2D2

Question: How can technology address diverse learner needs?

August 12, 2015
Create Engaging Learning Experiences


Southern Illinois University, Carbondale, Illinois
Heidi 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)

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

Read 1b. Exploring the Life of a Prominent People (Wikipedia)
**January 20, 2016**

**Read 1d. Podcasts**

IU Bloomington podcast series to launch Jan. 24, Steve Hinnefeld, IU Newsroom

IU's Media School dean James Shanahan, at left, will host a new campus podcast. Senior Luqmann Ruth will read the news for the inaugural podcast.

PHOTO BY JENNIFER PIUREK, OFFICE OF THE PROVOST

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**January 28, 2015**

**Read 1e. 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/

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**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

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**Reflect 2a. Cultural Blogs** (e.g., Dr. Kim Foreman, San Fran State Univ, Come and See Africa Blog; http://comeandseeafrica.blogspot.com/)

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**Reflect 2b. Interpreting Infographics**

*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/
3. Visual Learners

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

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

Display 3b. Map Animations

Yes, Mr. President, We Remade Our Atlas to Reflect Shrinking Ice

Christine Dell’Amore, National Geographic, August 3, 2015


March 10, 2016

Display 3c. Videostreamed Conferences

Watch SXSWedu Live, Connie Yowell

http://sxswedu.com/live?utm_campaign=Edu+2016&utm_source=hs_email&utm_medium=email&utm_content=27144469&_hsenc=p2ANqtz--ag6U7VJGlpYaciareNq6mryKvA63kCR5O3U8JVQkfAYp7yiTnncHnxw7_PmMpcjioI9V7z1-01hvyCrDPVEAR-x6HwQ&_hsmi=27144469

March 24, 2015

Display 3d. Maps of Languages

Langscape, Language at Maryland

http://langscape.umd.edu/map.php

March 24, 2015

Display 3e. Short Educational Videos:

CNN, BBC, TED, TED-Ed, ForaTV

BBC One-Minute World News (August 31, 2015)

4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.
Do 4b. Design Article Database in Pinterest, Jenny Webeck
https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/

Do 4c. Take a MOOC
P540 Final Assignment for Meina Zhu: MOOC, Coursera, Introduction to Psychology, University of Toronto
https://www.coursera.org/course/intropsych

December 8, 2015
Do 4d. Student Final Project Videos
P540 Final Assignment: Learning Theories and Psychotherapy, Shu-Yi Wang
https://www.youtube.com/watch?v=PNMpGjnXAjM

Do 4e. Student Music Recordings of Course Content
April 26, 2015
IST Groove Song, Jeffrey Jenkins, R511: https://soundcloud.com/jeffjenkins25/ist-groove
The World is Open, Jill Kaufman, R678: https://www.youtube.com/watch?v=ZRGV0Mg5Vmw&feature=youtu.be
Daniel Halluska, P540: http://www.youtube.com/watch?v=tOL7lrGsqnw

March 12, 2016
Do 4f. R678 John Falchi, Timeglider, An Abbreviated History of Distance Education
http://timeglider.com/t/50843d8903a48008?min_zoom=1&max_zoom=100

Poll: Which do you prefer...
(A) TEC-VARIETY or (B) R2D2?
Overcoming the Resistance Movement

2. Share Success Stories and Best Practices

/shareyourstories/

6. Awards and Incentives

8. Mentoring and Coaching

Poll: 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.

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