Engage, Number One: This is the Next Generation

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A Vision of Today’s Students

What did Jean-Luc Picard say?

That’s right, Engage!

http://sloanconsortium.org/publications/survey/grade-change-2013
Direct access: http://www.onlinelearningsurvey.com/reports/grade-change.pdf

Engage!
What was it that he said?

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.

Jumbo Motivation is Needed!

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

Examples of TEC-VARIETY

1. Tone/Climate: A. Video Introductions, e.g., Flipgrid
   http://flipgrid.com/#429f88c5

1. Tone/Climate: B. Video Course Intros
   (examples from Northern Virginia Community College and Indiana University KD (online MBA) program)
   Yun Yun Chow, Open U Malaysia, Making Art Lessons Come Alive with Web 2.0
   http://www.youtube.com/watch?v=B09rQD1GXo

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.)
     http://www.momswhothink.com/reading/list-of-nouns.html
   - List of adjectives: (e.g., lazy, powerful, shy, bored, exotic, cooperative, sloppy, rebel, etc.)
     http://www.momswhothink.com/reading/list-of-adjectives.html
   - List of verbs: (e.g., coordinate, entertain, amuse, push, unite, beg, dream, publicize, etc.)
     http://www.momswhothink.com/reading/list-of-verbs.html

1. Tone/Climate: D. Share Visuals of Favorite Places
   (e.g., Panoramio, http://www.panoramio.com/)
2. Encouragement, Feedback, etc.: A. Voice Feedback

Vocaroo; http://vocaroo.com/
http://vocaroo.com/i/s1KBtpSWIGja (Chula, Bangkok)

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., Fauja Singh, 101, finishes last race, February 24, 2013)

3. Curiosity, Fun:
B. Online Quiz Games
Jeopardy Labs
https://jeopardylabs.com/play/ganttpardy

3. Curiosity, Fun:
C. History for Music Lovers
The French Revolution ("Bad Romance" by Lady Gaga)
Trojan War ("Tainted Love" by Soft Cell)
Charlemagne ("Call Me" by Blondie)
The Vikings ("Personal Jesus" by Depeche Mode)
http://www.youtube.com/user/historyteachers

3. Curiosity, Fun:
D. Tracking the Life of a Scientist
(e.g., Brian J. Ford, independent scientist)
http://www.youtube.com/user/tellymonitorPp/a/1/LhGeApsKjasr
http://www.labnews.co.uk/news/prehistoric-revolution
4. Variety, Novelty, Fun:  
A. External Guests  
(e.g., Jay Cross, Internet Time Group)

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

4. Variety, Novelty, Fun, Fantasy:  
C. Timers (Stopwatches, Countdown Timers, Stopwatch Bombs, etc.; http://www.onlinestopwatch.com/countdown-timer/)

5. Autonomy, Choice:  
A. Demonstrate, Explore, and Share Websites  
Commonwealth of Learning, March 2013  

5. Autonomy, Choice:  
B. Design Multimedia Glossaries  
Ozgur Ozdemir, December 2012  
http://r685glossary.shutterfly.com/  
Umida Khikmatillaeva, Dec. 2011, P540  
http://learningplanet.shutterfly.com/

Poll #2:  
Which of the first 5 motivational principles will you use the most?  

A. Tone/Climate  
B. Encouragement/Feedback  
C. Curiosity/Fun  
D. Variety/Novelty  
E. Autonomy/Choice/Flexibility
Poll #3:
Any light bulbs going off in your head so far...? If so, where?
A. Yes definitely
B. Maybe
C. No

6. Relevance, Meaningfulness:
A. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules (Franklin University, cost and forensic accounting course)
http://video.franklin.edu/Franklin/acct/managerialAccounting/cost-and-forensic-accounting-learning-modules.html
http://video.franklin.edu/Franklin/acct/342/common/fraudScenario02.html

6. Relevance, Meaningfulness:
B. Online Cases (e.g., Mark Braun, IU)

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

7. Interactive, Collaborative:
B. Negotiate Meanings Online
(e.g., PiratePad: http://meetingwords.com/)
Your text is saved on the web, and more than one person can edit the same document at the same time. Everybody’s changes are instantly reflected on all screens. Work together on meeting notes, brainstorming sessions, homework, team programming and more

7. Interactive, Collaborative:
C. Combining Asynchronous and Synchronous Events (flipping classes)
8. Engagement, Effort:
A. Mapping the Nation
http://mappingthenation.net/map.html

8. Engagement, Effort:
B. Student Generated Timelines,
(e.g., Dipity, Simile, Xtimeline, Timeglider, Meograph)
(e.g., Raymond Chandler, The Big Sleep, Kate Hurd)
http://hurdinsuranceagency.com/thebigsleep/

8. Engagement, Effort:
C. Arab spring: an interactive timeline of Middle East protests, The Guardian, Garry Blight, and Sheila Pulham, July 12, 2011
http://www.guardian.co.uk/world/interactive/2011/mar/22/middle-east-protest-interactive-timeline

8. Engagement, Effort:
also: Visualizing Emancipation

8. Engagement, Effort:
E. Flash, 3-D Visualization, & Laboratory Software (e.g., statistics)

9. Tension, Challenge, etc.:
A. Online Math Competitions
(i.e., Math March Madness, Greg Toppo, March 26, 2013, USA Today)
9. Tension, Challenge, etc.:
B. Vocabulary Competitions (e.g., Kids learning new words at warp speed; January 14, 2014, Greg Toppo (Georgia Scurletis, Dir of Curriculum Development, for Vocabulary.com) presents a banner to Marc Williams, Brooklyn Technical High School) Vocabulary.com: https://www.vocabulary.com/

9. Tension, Challenge, etc.:
C. GameShow Final Project, April 25, 2011, Kim Seeber Website: http://mypage.iu.edu/~kseeber/web2.0technology.swf

10. Yields Products, Goals:
A. Final Product Video Summaries
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

10. Yields Products, Goals:
B. Write Wikibook Chapters
http://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies

10. Yields Products, Goals:
C. Goal Setting Tools (e.g., I Done This, Milestone Planner, and 43 Things)

The End...
Two Cheers for Web U!
A. J. Jacobs, New York Times
http://www.nytimes.com/2013/04/21/opinion/sunday/grading-the-mooc-university.html?pagewanted=1&_r=3&_emc=eta1
Poll #4:
Which of the last 5 motivational principles will you use the most?
A. Relevance/Meaningfulness
B. Engagement/Effort
C. Interactive/Collab/Community
D. Tension/Challenge/Dissonance
E. Yielding Products/Goals

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

February 20, 2013
Star Trek-like holodeck may be closer to reality than you think
Matt Hartley, Financial Post, Canada
http://business.financialpost.com/2013/02/20/star-trek-like-holodeck-may-be-closer-to-reality-than-you-think/

Stop and Share:
Three Words from This Session!

Any Questions?
Try TEC-VARIETY...
Slides at: TrainingShare.com
Papers: PublicationShare.com
Dr. Curt Bonk – CJBonk@Indiana.edu

I just Love It when they “make it so!”

Star Trek-like holodeck may be closer to reality than you think