

Masterclass #1 Engage Number One: This is the Next Generation

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This Generation of Students



Learning is More Video-Based Online Learning Polyglots

Adventures of a Teenage Polyglot



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

Daniel Pink (2009)

Motivation 3.0



Creativity, Inc.

Ed Catmull, President of Pixar Animation and Disney Animation

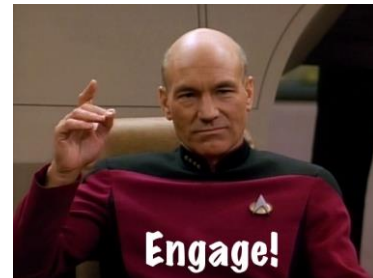
<http://www.creativityincbook.com/>



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.
3. Offer rewards for good/improved performance.
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)

See: Deci, E. L., & Ryan, R. M. (1985). *Intrinsic motivation and self-determination in human behavior*. NY: Plenum Press.



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...

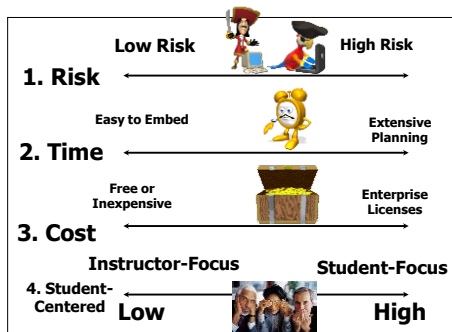
<http://tec-variety.com/>
<http://tec-variety.com/TEC-VARIETY-Chinese.pdf>



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 个活动

作者: Curtis J Bink & Elaine Khoo



Examples of TEC-VARIETY



1. Tone/Climate: A. Instructor Course Introductions

(Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)

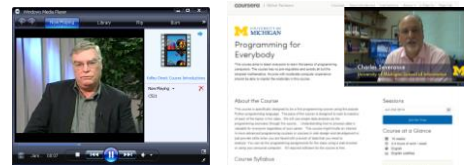
<https://www.youtube.com/watch?v=Wzbc3QIiA>

Chuck Severance, U Michigan (Coursera) in Barcelona

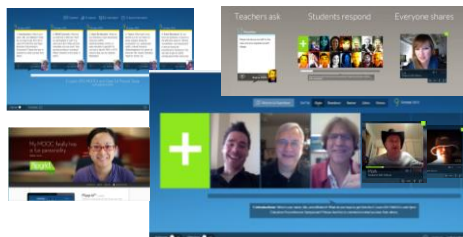
<http://www.youtube.com/watch?v=3zNfvmSv8T1>

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>



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

B. Tutorials with Screen Capture

(e.g., Jing, Screenr, GoView, etc.)
<http://inside.iub.edu/features/videos/2014-05-29-inub-yid-cib.shtml>

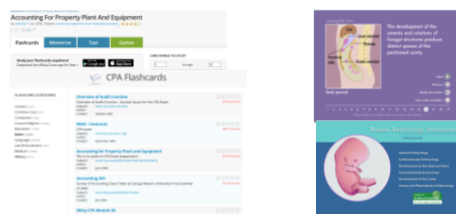


2. Encouragement, Feedback, etc.: B. Voice/Audio Feedback

Vocaroo: <http://vocaroo.com/>
<http://vocaroo.com/delete/s0x8moQAYAiU/a37bbc9408bb8c95>
 (Recorded by Curt Bonk for the Open University of China)

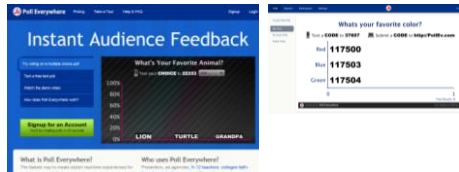


2. Encouragement, Feedback, etc.: C. Online Practice Tests and Quizzes (e.g., CPA Flashcards and Human Embryology Animations)



2. Encouragement, Feedback, etc.: D. Blog and Website Polling

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



2. Encouragement, Feedback, etc.: E. Online Accounting Lessons

(e.g., Lyryx; <https://lifa.lyryx.co>)



3. Curiosity, Fun: A. Something in the News and Infographic

Twitter CEO Dick Costolo replaced by co-founder Jack Dorsey, Laura Onita
<http://cnn.com/2015/06/12/twitter-costolo-dorsey/>



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

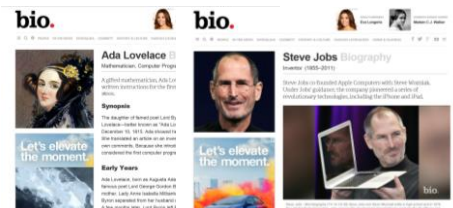
3. Curiosity, Fun: C. Database Searching

(e.g., WolframAlpha)
<http://www.wolframalpha.com>



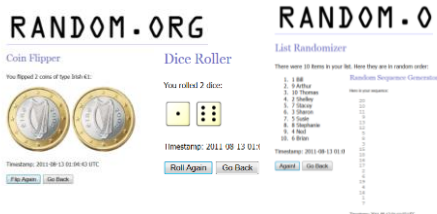
3. Curiosity, Fun: D. Tracking the Life of a Computer Scientist (bio.com)

<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:

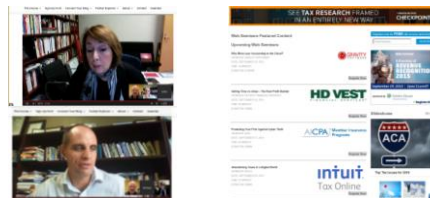
A. Attend Webinar (pick weeks and reflect)

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/>



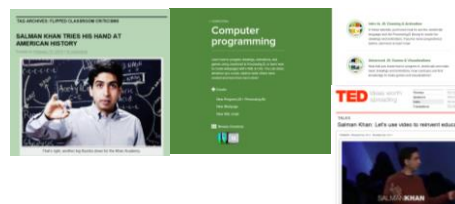
5. Autonomy, Choice: B. Explore OpenCourseWare and Open Educational Resources

(e.g., MIT OCW, <http://ocw.mit.edu/courses/sloan-school-of-management/15-963-management-accounting-and-control-spring-2007/>)



5. Autonomy, Choice:

C. Video Repositories and Portals
(e.g., Khan Academy, 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)

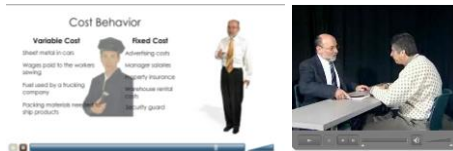
<https://connect.iu.edu/p259wpiabg9/>



6. Relevance, Meaningfulness:

B. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules (Franklin University, cost and forensic accounting course)

<http://video.franklin.edu/franklin/acct/managing/accounting/cost-behavior-player.html>
<http://video.franklin.edu/franklin/acct/342/common/fraudScenario02.html>



7. Interactive, Collaborative:

A. Negotiate Meanings Online

(e.g., PiratePad: <http://meetingwords.com/>)
<http://blogs.alfn.edu/technology/6-collaborative-writing-applications-for-group-projects-or-students/>
 MeetingWords, Google Docs, NowComment, MixedInk



7. Interactive, Collaborative:

B. Virtual Sharing Walls, April 6, 2015

e.g., Padlet

<http://padlet.com/charu/pocketfulofdesign1>



January 27, 2015

7. Interactive, Collaborative:

C. Backchannel Chat (Today'sMeet)

<https://todaysmeet.com/>

R678_Emerging_Learning_Technologies

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)



July 27, 2015

8. Engagement, Effort:

A. iPhone Virtual Tour and Games

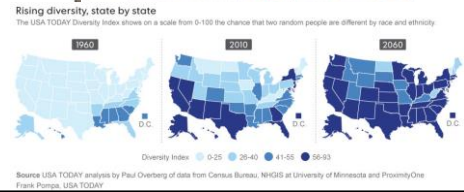
Amazing 360-degree panoramic images show new sides of North Korea, DMZ, CNN, Aram Pan



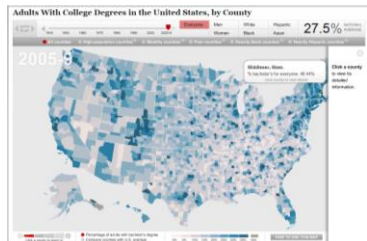
8. Engagement, Effort: B. Simulations



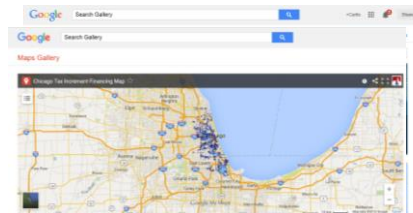
8. Engagement, Effort: C. Interactive Timeline Maps, October 22, 2014, Second immigration wave lifts diversity to record high, Edward Greg Toppo and Paul Overberg, USA Today



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



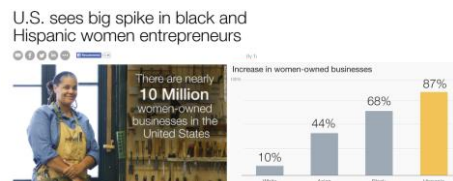
8. Engagement, Effort: E. Google Map Gallery September 16, 2014 <http://maps.google.com/gallery/>



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

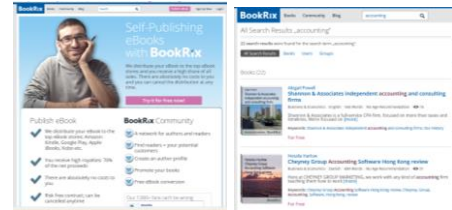


August 20, 2015 9. Tension, Challenge, etc.: B. Controversial Issue Debates U.S. sees big spike in black and Hispanic women entrepreneurs, Tanzina Vega, CNN Money



10. Yields Products, Goals:**A. Goal Setting Tools**

(e.g., I Done This, 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=-TUr2H0G0dI>
 Qi Li, Gangnam: <http://www.youtube.com/watch?v=7Q429pZu8k&feature=youtu.be>
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8mC7W001W8>
 Kendal Rasnake (Is IT Right For You?): <http://www.youtube.com/watch?v=M330U01CIGw>

**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!

**What motivates?**

1. Tone/Climate: Psychological Safety, Comfort, Sense of Belonging
2. Encouragement: Feedback, Responsiveness, Praise, Support
3. Curiosity: Surprise, Intrigue, Unfamiliarity
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



Masterclass Part II Where Are You R2D2?:

Addressing Diverse Learner Needs with
the Read, Reflect, Display, and Do Model

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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



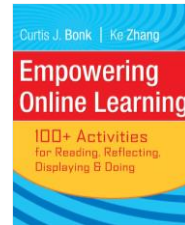
Addressing Learning
Styles



Question: How can technology address diverse learner needs?



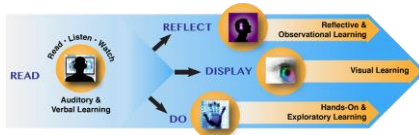
Framework #2: The R2D2 Model



August 12, 2015
Create Engaging Learning Experiences

Image adapted from Bonk, C.J. & Zhang, K. (2008). Empowering online learning: 100+ activities for reading, reflecting, displaying, & doing. San Francisco, CA: Jossey-Bass.

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The R2D2 Method

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



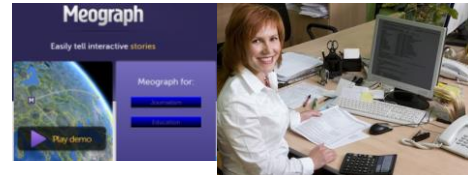
1. Auditory or Verbal Learners

- 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/>)



January 28, 2015 Read 1b. Twitter Fed Class Discussions

Live-Tweeting Assignments: To Use or Not to Use?
he Chronicle of Higher Education, Adeline Koh

<http://chronicle.com/blogs/proftrack/live-tweeting-assignments-to-use-or-not-to-use/58849>



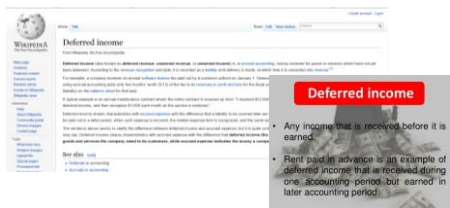
Read 1c. Grammer Checkers (e.g., Grammarly, Ginger, GrammarCheck, PaperRater, and SpellCheckPlus)

<http://www.grammarly.com/>



January 28, 2015 Read 1d. Wikipedia Activities (searches, reviews, critiques, edits, reflections, etc.)

https://en.wikipedia.org/wiki/Deferred_income



Read 1e. Video Tutorials, Demonstrations, and How-To's Investopedia (videos, tutorials, etc.)

<http://www.investopedia.com/university/accounting/accounting1.asp>

Accounting Basics: History Of Accounting

This may also be the first video in the series.

- Accounting Basics: History Of Accounting
- Accounting Basics: Accounting
- Accounting Basics: The Basics
- Accounting Basics: The Accounting Process
- Accounting Basics: Financial Statements



Accounting Basics: History Of Accounting

By Mark Schaefer

This video has been adapted from the accounting textbook by Mark Schaefer, who is a CPA. It has been adapted from the textbook 'Accounting: The Basics' by Mark Schaefer.

August 31, 2015

Read 1f. Review Blog Resources (e.g., Martin's Accounting Blog)



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 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)



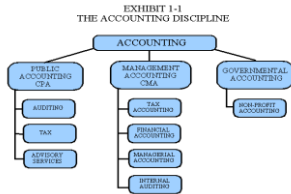
Reflect 2d. Interpreting Infographics June 12, 2015 Google vs. Apple



Reflect 2e. Podcast Show Reflections



Display 3d. (April 28, 2015)
Concept Mapping and Flowcharting
 (Bubbl.us, Cmap, Gliffy, Spicynodes, or Mindomo)
<http://www.spicynodes.org/index.html>



Display 3e. Videos for professional development



Display 3f. Video Scenario Learning



Display 3g.
Short Educational Videos:

CNN, BBC, TED, TED-Ed, ForATV
 BBC One-Minute World News (August 31, 2015)
<http://www.bbc.com/news/business-34105708>



Display 3h.
Video Tutorials, Demonstrations,
and How-To's
 WonderHowTo, Howcast, MoneySee
<http://www.howcast.com/>
<http://www.wonderhowto.com/>
<http://www.monkeysee.com/play/24452-top-accounting-jobs>



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 4a. Business Plans and Virtual Mentoring toward Goals, September 22, 2014, Chronicle of HE

<http://chronicle.com/article/Start-Up-Slow-Down/148923/?id=41>



Start Up, Slow Down



By Fred Thomas

Do 4b. Design Article Database in Facebook, Jenny Webeck

<https://www.facebook.com/JennyBELTI/timeline>

Dr. Bonk's creative fun time group (R546)

<https://www.facebook.com/groups/830496290323899/>



Do 4c. Design Article Database in Pinterest, Jenny Webeck

<https://www.pinterest.com/jennifertwebeck/emerging-learning-technologies/>



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



What motivates?

1. Time/Climate Psychological Safety, Comfort, Sense of Belonging
2. Encouragement, Feedback, Responses, Praise, Support
3. Curiosity, Surprise, Intigue, Uncertainty
4. Variety, Novelty, Fun, Playful
5. Autonomy, Choice, Control, Flexibility, Opportunities
6. Reference, Meaningful, Autentic, Knowledge
7. Interactivity, Collaboration, Team-Build, Community
8. Engagement, Effort, Investment, Investment
9. Timeliness, Challenge, Ownership, Commitment
10. Yielding Products: Goal Driven, Purposeful Vision, Ownership



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.
7. More than 10.



Any Questions?

Try TEC-VARIETY...Try R2D2

Slides at: TrainingShare.com

Papers: PublicationShare.com



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

<http://tec-variety.com/TEC-VARIETY-Chinese.pdf>

Dr. Curt Bonk – CJBonk@Indiana.edu

