


Masterclass Part II: Adding Some TEC-VARIETY: Ten Principles for Jumbo Motivation

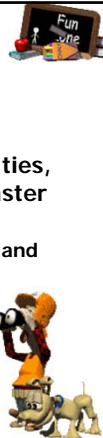
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Intrinsic Motivation


“...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.




Mooresville’s Shining Example (It’s Not Just About the Laptops)

By ALAN SCHWARZ, New York Times. February 12, 2012
http://www.nytimes.com/2012/02/12/education/mooresville-school-district-a-laptop-success-story.html?_r=1&page=ent-d-1




BREAK TIME Matthew Ward regroups during class, where each student has a school-issued laptop.

Jumbo Motivation is Needed!



Ok, 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.




I even reflected on this for a moment...and then something magical happened...



Framework #2: 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: Social Ice Breakers

A. 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: 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=BO9rqJD1GXo>



2. Encouragement, Feedback, etc.: A. Poll Everywhere
<http://www.pollerywhere.com/>



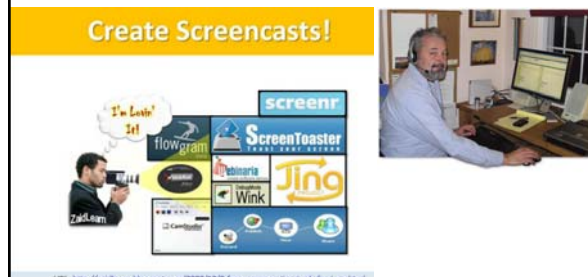
2. Encouragement, Feedback, etc.: B. student response systems, (Socrative)

<http://www.socrative.com/how-it-works.php>



2. Encouragement, Feedback, etc.: C. Create Screencasts

(Jing, GoView, Screenr, slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])



2. Encouragement, Feedback, etc.: D. Vocab Sushi (\$25 for 3 months)

<http://www.vocab sushi.com/>



2. Encouragement, Feedback, etc.: F. Student response systems

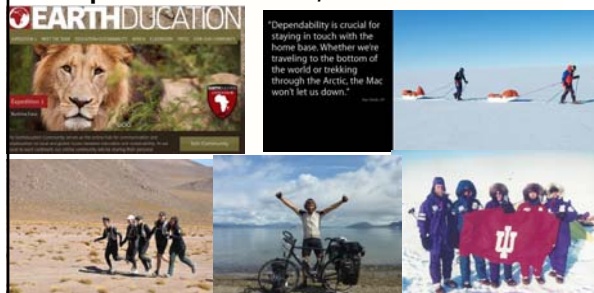
(e.g., Socrative; <http://www.socrative.com/how-it-works.php>)



3. Curiosity, Fun:

A. Adventure and Environmental Learning

Impossible2Possible, EARTHducation



3. Curiosity, Fun:

B. Online Social Networking Games (e.g., scrabble, hangman, etc.)



3. Curiosity, Fun: C. Online News (Politics, Giant jellyfish, Tiny T. rex, and Ardi)

The screenshot shows the CNN website with several news articles. The main headline is 'Obama on same-sex marriage: Treat everyone fairly'. Other articles include 'Refugees: "We just want freedom"' and 'Dino: Arkansas Cooper reports from a village camp on the T. rex's tiny, teeny arms...'. There are also images of a dinosaur and a person.

3. Curiosity, Fun: D. Online Database Activities (e.g., WolframAlpha)

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

The screenshot shows the WolframAlpha website interface with a search bar and various navigation options. The search bar contains the text 'tiger vs jackal'. There are also images of a man speaking and a book cover titled 'A Quick Introduction to WolframAlpha'.

3. Curiosity, Fun: E. Track a Scientist, Scholar, Celebrity, Writer (e.g., Biography.com, biography online, FamousPeople.com)

The screenshot shows the Biography.com website with a search bar and various navigation options. The main headline is 'Welcome to Biography Online'. There are also images of a man and a woman.

3. Curiosity, Fun: F. Cross-Cultural Videoconference (e.g., Global Nomads Group, Int'l Studies for Indiana Schools (i.e., ISIS); Chinese, Niger, Sudan, Life in Eastern Europe, the History and Culture of Mexico)

The screenshot shows the International Studies for Indiana Schools website with a search bar and various navigation options. The main headline is 'Welcome to International Studies for Indiana Schools'. There are also images of a woman and a man.

3. Curiosity, Fun: G. Create Cartoons, Movies, and Animations (slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

The screenshot shows the GoAnimate website with a search bar and various navigation options. The main headline is 'Create Cartoons, Movies & Animations!'. There are also images of a cartoon character and a video player.

3. Curiosity, Fun: H. Current Topics and Events (e.g., the Brain Extravaganza, April 28, 2012)

The screenshot shows the Brain Extravaganza event page with a search bar and various navigation options. The main headline is 'Dr. Jill Bolte Taylor'. There are also images of a woman and a brain.

4. Variety, Novelty: A. Cool Resource Provider or Tech Demos

P540 Cool Resource Provider and Moderator Sign Up Sheet

If multiple people are working with this form simultaneously it is possible to overwrite someone else's entry that arrived while you are typing in your name. Make sure you are working with the latest version of the sign-up sheet by refreshing your browser window before you enter your name and click the Update button.

Restrictions:
Please put your name in the box for the **GRADE** **WEEK** that you want to be the moderator. Only complete one box (either for K-12 or Adult Learning, NOT both).


When complete, please click the green Update button before exiting the system. Update



Work: **K-12 Education Learning** **Adult Education Learning**

1. Introduction to the Study of Learning: Yes No

2. Differentiation: Yes No

3. Social Learning Theory: Yes No



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

RANDOM.ORG

Coin Flipper

You flipped 2 coins of type Irish 41:



Timestamp: 2011-08-13 01:04:43 UTC

[Flip Again](#) [Go Back](#)

RANDOM.ORG

Dice Roller

You rolled 2 dice:



Timestamp: 2011-08-13 01:11

[Roll Again](#) [Go Back](#)

RANDOM.ORG

List Randomizer

There were 10 items in your list. Here they are in random order:

1. 1 Bill	20
2. 4 Arthur	20
3. 20 Thomas	20
4. 2 Shelley	20
5. 20 Henry	20
6. 3 Sharon	20
7. 2 Scott	20
8. 8 Stephanie	20
9. 4 Ned	20
10. 4 Brian	20

Timestamp: 2011-08-13 01:11 UTC

[Again](#) [Go Back](#)

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



www.online-stopwatch.com

00:01:39

[Start](#) [Restart](#)




www.online-stopwatch.com

00:01:39

[Start](#) [Clear](#)


[Back](#) [Like the Countdown Timer Full Screen](#)

4. Variety, Novelty: D. Synchronous Session with Guest Expert



A Call to Antarctica

Jean Pennycook is an educator from California, and she has been working with D



4. Variety, Novelty: E. Record Webinars and Guest Expert Talks (slide from Zaid Ali Alsagoff [zaid.alsagoff@gmail.com])

Record Webinars/Online Talks!



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





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

4. Variety, Novelty, Fun, Fantasy: F. Music Videos of Content

History for Music Lovers, Washington Post
The French Revolution ("Bad Romance" by Lady Gaga)
Trojan Way ("Tainted Love" by Soft Cell)
Charlemagne ("Call Me" by Blondie)

<http://www.youtube.com/user/historyteachers?blend=6&ob=5#p/f/12/kJULC0jsdA>



5. Autonomy, Choice:

A. Online Resource Search (Class Google Jockeys)

(links to text, soundtracks, video clips, etc.)

5. Autonomy, Choice:

B. Watch Shared Online Videos (LearningZillion; <http://learnzillion.com/>)

5. Autonomy, Choice:

C. Web Exploration Assignments

1. Complete Works of Charles Darwin Online: <http://darwin-online.org.uk/>
2. The Complete Works of William Shakespeare: <http://shakespeare.mit.edu/>
3. Edgar Allan Poe Society of Baltimore: <http://www.eapoe.org/>
4. Einstein Archives Online: <http://www.alberteinstein.info/>
5. Federal Resources for Educational Excellent project: <http://free.ed.gov/>
6. Global Text Project: <http://globaltext.org/>
7. iBerry (Open Courseware Directory): <http://iberry.com/>
8. Jane Austen: <http://www.janeausten.org/>
9. The Jane Goodall Institute: <http://www.jane-goodall.org/>
10. Timeless Hemingway: <http://www.timelesshemingway.com/>


Poll #9:

Any light bulbs going off in your head so far...?


A. Yes definitely
B. Maybe
C. No

Poll #10:
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




6. Relevance, Meaningfulness:
A. 60 Second Recap, Jenny Sawyer
<http://www.60secondrecap.com/>
 Actress to students: Lend me your earbuds!
 English major, 24, rambunctiously recaps the classics in 60-second Web videos; By Greg Toppo; USA TODAY, September 2009




6. Relevance, Meaningfulness:
B. Tour an Online Oil Drilling Site or Role Play Situations (i.e., BP)
<http://www.youtube.com/watch?v=ts45BkAnqTs>




7. Interactive, Collaborative:
A. Working In Virtual Teams
 (e.g., Collanos, Ning, SharePoint, Google Docs)



7. Interactive, Collaborative:
B. Collaborative Video Annotations and Discussions (Craig Howard, IU)
<http://scholarworks.iu.edu/journals/index.php/ijdl/article/view/853/912>




7. Interactive, Collaborative:
C. Touch, Highlight, and Take Notes on the Tablet Computer (e.g., Apple starts selling interactive iPad textbooks, Yahoo! News, Peter Svensson, Assoc Press, Sat, Jan 21, 2012)
<http://news.yahoo.com/apple-starts-selling-interactive-ipad-textbooks-173948497.html>
<http://www.viddler.com/explore/enadqet/videos/3937/>



7. Interactive, Collaborative:
D. Dr. Monica Rankin's class, UT Dallas,
Cuban Revolution (April/May 2011)
<http://www.youtube.com/watch?v=ocQMf1kPo98>



7. Interactive, Collaborative:
E. Online Language Learning
 (Skype, MSN, ECpod, Mixxer, Livemocha, Babel, KanTalk etc.)



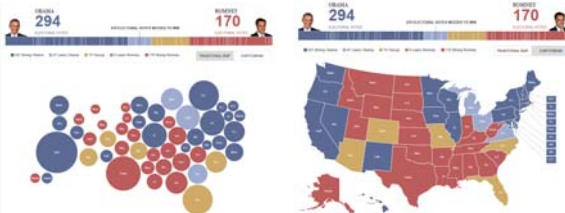
7. Interactive, Collaborative:
F. SMILE: Stanford Mobile Inquiry-based Learning Environment (Tanzania)




February 2012
Seeds for Empowerment, Tanzania
 (Alex Bonk and the kids...)



7. Interactive, Collaborative:
G. Interactive Political Maps: Huffington Post
<http://elections.huffingtonpost.com/2012/romney-vs-obama-electoral-map/cartogram>




8. Engagement, Effort:
A. Flash, 3-D Visualization, & Laboratory Software



9. Tension, Challenge, etc.:
B. Photo Festivals and Competitions
 (e.g., COFA at UNSW, Scrapblog, flickr, etc.)
<http://www.youtube.com/watch?v=im7GQM9fzbc>



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. Student YouTube Products
 Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9IWR8>
 Shuya Xu and Yue Ma (Blog my online Irng): <http://www.youtube.com/watch?v=im7GQM9fzbc>
 Cesar Dagli (Animal perspectives on course): <http://www.youtube.com/watch?v=cDeTE1d0Sic>



10. Yields Products, Goals:
B. Teacher Created Video Products
 Lorma International School, the Philippines
 (Hannah Kimberly Obar, 1st Grade teacher, 2/24/2012)
<http://www.youtube.com/watch?v=1C435UH-GGA>
<http://www.youtube.com/watch?v=JZp1EjgAak>
http://www.youtube.com/watch?feature=player_embedded&v=UHMuTfAc6Fc (1st grade kids)




10. Yields Products, Goals:
C. Video Blogs



Poll #11:
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




Poll #12:
 Which framework do you like better?

A. TEC-VARIETY
B. R2D2



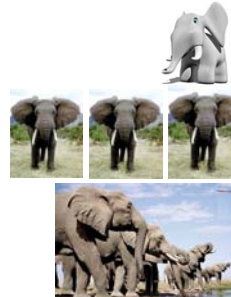
Poll #13:
 Do you feel "MOTIVATED" to try any of this out?

A. Yes, both
 B. Yes, R2D2
 C. Yes, TEC-VARIETY
 D. Neither

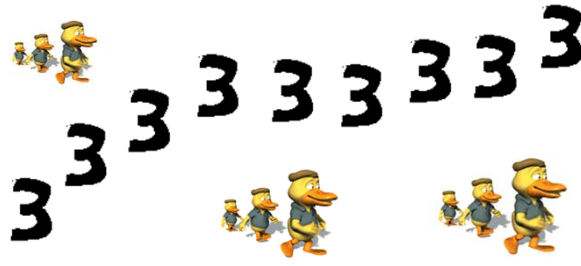


Poll #14:
 How many ideas did you get from Part II?

- 0 if I am lucky.
- 1 or 2.
- 3-5.
- 6-10.
- More than 10.



Stop and Share:
 Three Words from Today's Session!



Any Questions?
 Try TEC-VARIETY too...
 Try the R2D2 Model!

😊
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Slides at: TrainingShare.com
 Papers: PublicationShare.com
 Book: <http://worldisopen.com/>
 Email: curt@worldisopen.com

