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

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
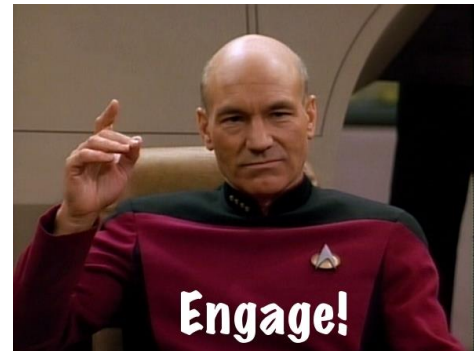**http://www.creativityincbook.com/**

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. **T**one/Climate: Psych Safety, Comfort, Belonging
2. **E**ncouragement, Feedback: Responsive, Supports
3. **C**uriosity: Fun, Fantasy, Control
   …
4. **V**ariety: Novelty, Intrigue, Unknowns
5. **A**utonomy: Choice: Flexibility, Opportunities
6. **R**elevance: Meaningful, Authentic, Interesting
7. **I**nteractive: Collaborative, Team-Based, Community
8. **E**ngagement: Effort, Involvement, Excitement
9. **T**ension: Challenge, Dissonance, Controversy
10. **Y**ields Products: Goal Driven, Products, Success, Ownership

Education 3.0?
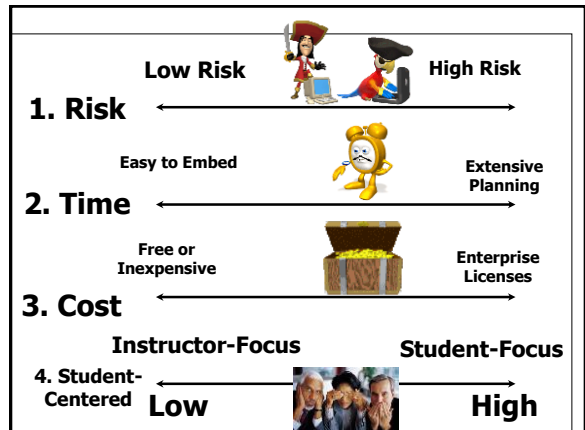## Introducing the free "TEC-VARIETY" Framework…
http://tec-variety.com/
http://tec-variety.com/TEC-VARIETY-Chinese.pdf

ADDING SOME
TEC-VARIETY
100+ Activities for Motivating and Retaining Learners Online

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 Bonk & Elaine Khoo   IU

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1. Risk   Low Risk — High Risk

2. Time   Easy to Embed — Extensive Planning

3. Cost   Free or Inexpensive — Enterprise Licenses

4. Student-Centered   Instructor-Focus — Student-Focus
Low — High

Examples of TEC-VARIETY

1. **T**one/Climate:
A. Instructor Course Introductions
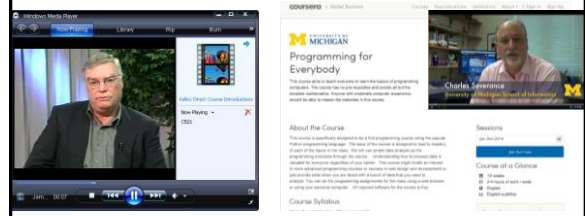(Theatre 10 Intro Video, October 7, 2014, Elizabeth Dale, West Valley College)
https://www.youtube.com/watch?v=_Wzbzc3QiiA
Chuck Severance, U Michigan/Coursera) in Barcelona
http://www.youtube.com/watch?v=JzNHvmSv8TI
Chuck Severance, University of Michigan
https://www.coursera.org/course/pythonlearn

1. **T**one/Climate: B. Threaded Video Discussions, e.g., Flipgrid
http://flipgrid.com/#429f88c5)
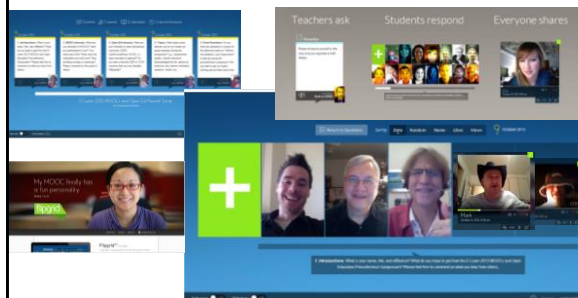
1. **T**one/Climate: Social Ice Breakers

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. **T**one/Climate:
D. Share Visuals of Favorite Places
(e.g., Panoramio,
http://www.panoramio.com/)
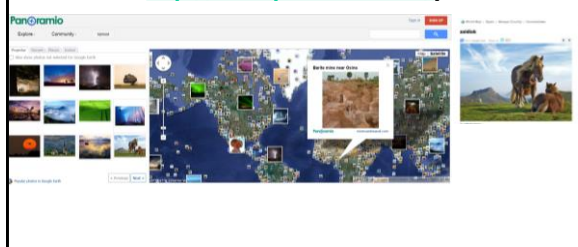
2. **E**ncouragement, Feedback, etc.: A. Demonstrations and Tutorials
### B. Tutorials with Screen Capture
(e.g., Jing, Screenr, GoView, etc.)
http://inside.iub.edu/features/videos/2014-05-29-inub-vid-cib.shtml

2. **E**ncouragement, Feedback, etc.: B. Voice/Audio Feedback
Vocaroo: http://vocaroo.com/
http://vocaroo.com/delete/s0x8moQAYAiu/a37bbc9408bb8c95
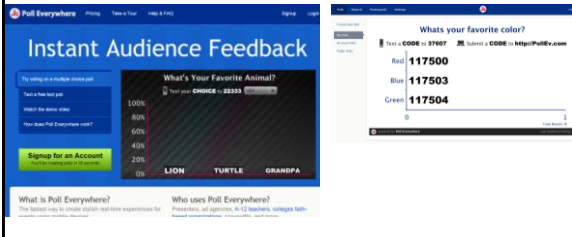**(Recorded by Curt Bonk for the Open University of China)**

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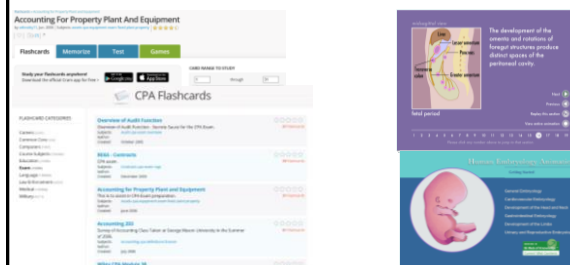
2. Encouragement, **Feedback, etc.: D. Blog and Website Polling**
(e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)
http://www.polleverywhere.com/

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
http://eandt.theiet.org/news/2015/jun/twitter-costolo-dorsey.cfm

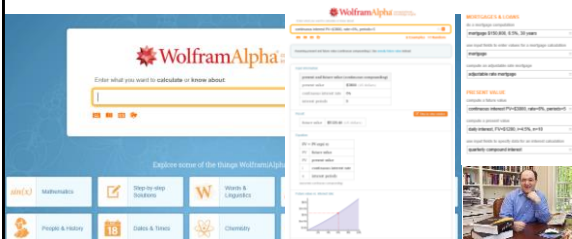**3. C**uriosity, Fun:
B. Something in the News
(e.g., This may be the oldest surviving Photo of a human, November 7, 2014, CNN, Brandon Griggs; But this image, taken in Paris, France, in 1838)
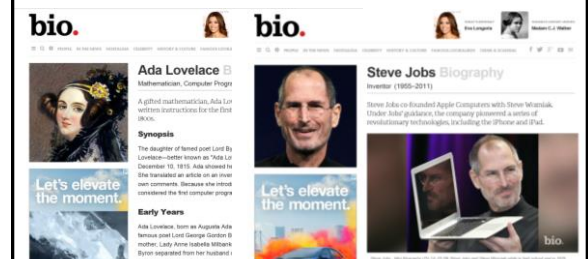http://www.cnn.com/2014/11/06/living/oldest-photograph-human-daguerre/index.html?hpt=hp_t4 kong

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 reflecti)
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)
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. **R**elevance, 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/managerialAccounting/cost-behavior-player.html
http://video.franklin.edu/Franklin/acct/342/common/fraudScenario02.html

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

7. **I**nteractive, Collaborative:
B. Virtual Sharing Walls, April 6, 2015
e.g., Padlet
http://padlet.com/charu/pocketfullofdesign1

January 27, 2015
7. **I**nteractive, Collaborative:
C. Backchannel Chat (TodaysMeet)
https://todaysmeet.com/
R678_Emerging_Learning_Technologies
https://todaysmeet.com/R678_Emerging_Learning_Technologies
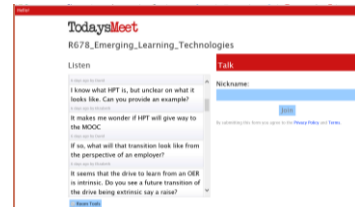
7. **I**nteractive, Collaborative:
D. Collaboration and Discussion in Google Hangouts, Jabber, Skype, etc
(January 29 and February 25, 2013)

July 27, 2015
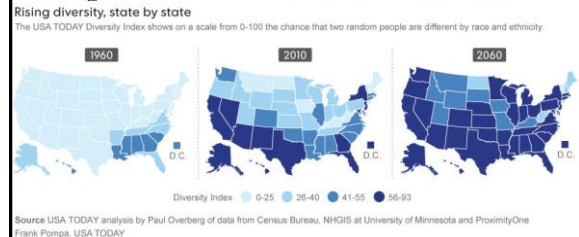### **8.** **E**ngagement, Effort:
A. iPhone Virtual Tour and Games
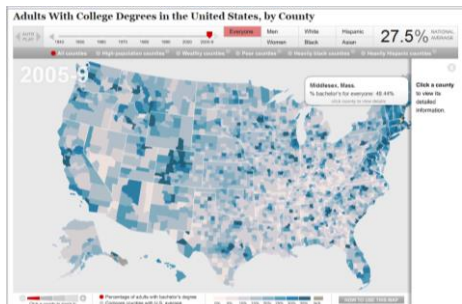**Amazing 360-degree panoramic images show new sides of North Korea, DMZ, CNN, Aram Pan**

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
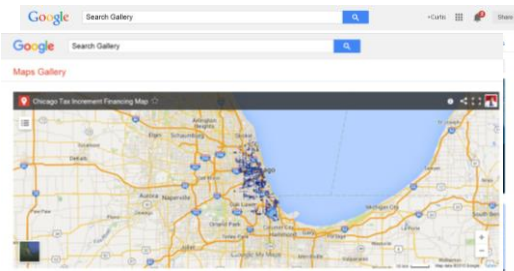http://www.usatoday.com/longform/news/nation/2014/10/21/diversity-race-ethnicity-change-100-years/16211133/

8. Engagement, Effort:
D. Interactive Map Timelines
(adults with college degrees by county, May 7, 2012)
http://todayscampus.com/article/Keith_Hampson_Interviews_Josh_Keller_on__Interactive_Graphics_for_Higher_Education

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
http://www.usatoday.com/story/tech/2015/03/15/sxsw-geek-girls-chic-technology-gender-gap/24808699/

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
http://money.cnn.com/2015/08/19/smallbusiness/minority-women-entrepreneur/index.html?iid=SF_LN
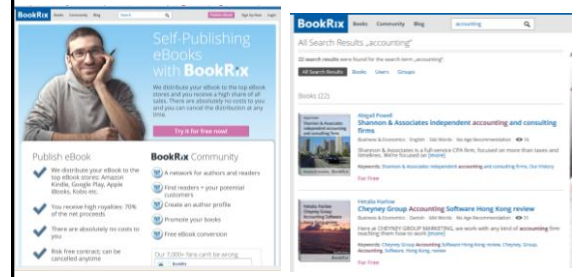
10. Yields Products, Goals:
A. Goal Setting Tools
(e.g., I Done This, Milestone Planner, and 43 Things)

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=_-TURzHO0aU
Qi Li, Gangnam: http://www.youtube.com/watch?v=7Q429IqxZaU&feature=youtu.be
Miguel Lara (Web 2.0 FREEDOM): http://www.youtube.com/watch?v=8cmCFWi9IW8
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!

What motivates?
1. **Tone/Climate:** Psychological Safety, Comfort, Sense of Belonging
2. **Encouragement:** Feedback, Responsiveness, Praise, Supports
3. **Curiosity:** Surprise, Intrigue, Unknowns
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

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?

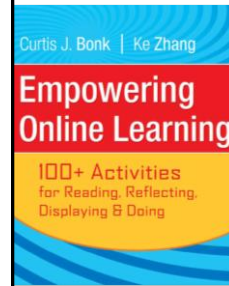## From Instructor as Credit Manager...

Instructor as Curator

Instructor as Concierge

Addressing Learning Styles

Question: How can technology address diverse learner needs?

Framework #2: The R2D2 Model

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.

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)**

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
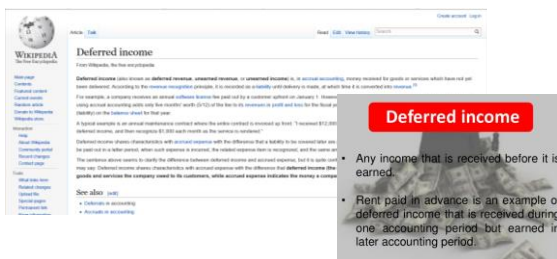http://chronicle.com/blogs/profhacker/live-tweeting-assignments-to-use-or-not-to-use/58949

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

August 31, 2015
Read 1f. **Review Blog Resources**
(e.g., Martin's Accounting Blog)
http://martinjquinn.com/

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, 3015
(e.g., Is curiosity essential for human flourishing?)
https://www.bigquestionsonline.com/content/do-we-have-souls

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

Reflect 2d.
Interpreting Infographics
June 12, 2015
Google vs. Apple
https://visual.ly/google-vs-apple-%E2%80%93-facts-figures-app-stores-race

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.**
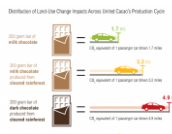

Display 3a. Virtualize Words Used (e.g., Wordle, Tagzedo, Tagul, WordSift, Word It Out)

**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, 3015
http://news.nationalgeographic.com/2015/08/150803-arctic-ice-obama-climate-nation-science/?utm_content=buffer9a394&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer
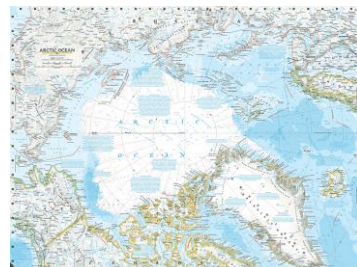
Display 3d. (April 28, 2015)
Concept Mapping and Flowcharting
(Bubbl.us, Cmap, Gliffy, Spicynodes, or Mindomo)
http://www.spicynodes.org/index.html
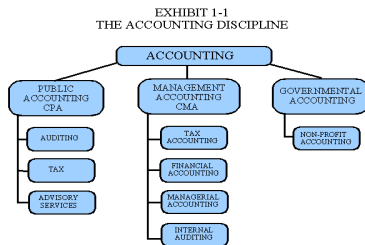
Display 3e. Videos for professional development

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

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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/?cid=at

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/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?

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