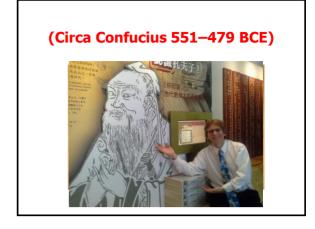
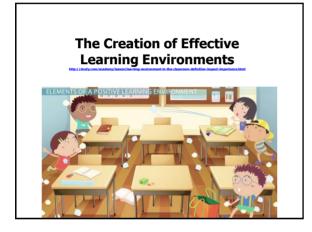
#### Engaging Online and Blended learning: Introducing the TEC-VARIETY Model

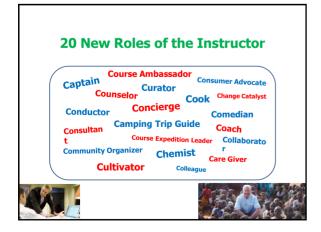
Curtis J. Bonk, IST Professor Indiana University cjbonk@indiana.edu; http://curtbonk.com/



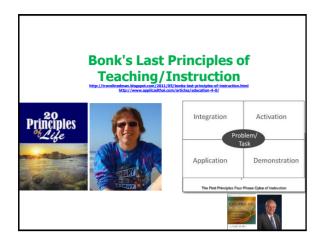






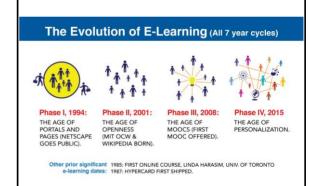




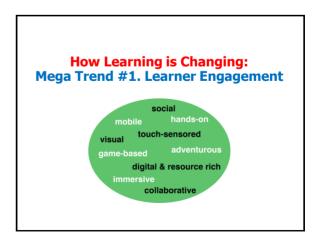


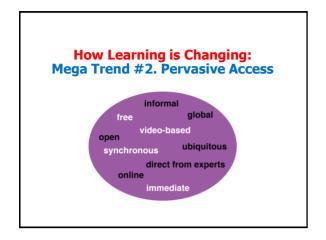
(LAST = Le	earning Activa	tion Sys	ciples-of-instruction.html
Flexibility	Support and Feedba Spontaneity	ck Passion a Inspiratio	Choice and Options ditional Learning nd
Collegiali	Sharing	Relevance Trial and	e and Meaningfulness   Error (i.e., it is ok to
Cheerfulness and ( High Expectation	s Purpose and Vi	luman Conne	Expanded Resources ectedness #20 ??? Apprenticeship

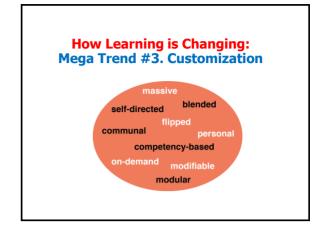














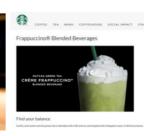
#### Learning is More Blended...

- 1. Recent data on online learning.
- 2. 1 Definition of blended learning
- 3. 10 Myths of blended learning
- 4. 7 Models of blended learning
- 5. 14 Examples of blended learning



### Poll: Who gets blended drinks at Starbucks?







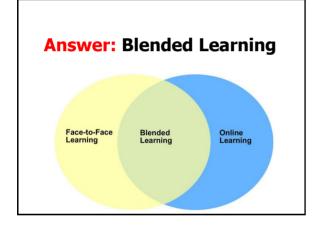
## January 20, 2016 Learning is More Blended Universities tap growth of craft beer, offer classes, Chicago Tribune







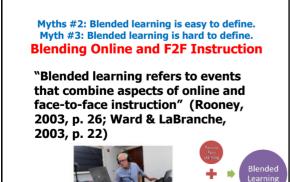


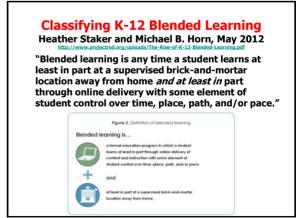


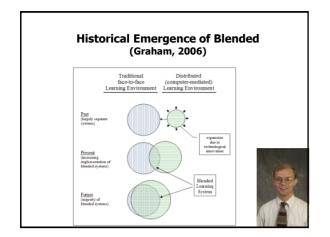
#### Myth #1: If you read the enough research you will be able to know the impact of blended learning.

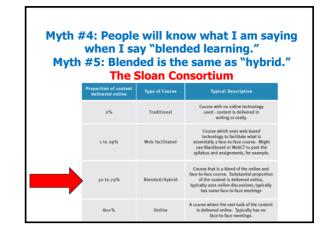
- 1. Improved Pedagogy
  - More interactive instead of transmissive
- Authentic, real world, etc.
- 2. Increased Access/Flexibility
- 3. Increased Cost Effectiveness

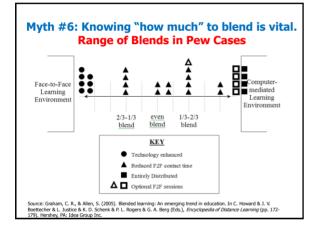












#### Myth #7: Blended learning works everywhere. Where is Blended Beneficial?

- Intro Classes (Spanish, psych, algebra, biology)
- AP Classes
- Classes with low success rates
- · Classes with students working part-time
- Required classes
- Students are rural or spread over a distance
- Classes with certification or standardization
- Classes with new requirements or standards
- Writing intensive classes, theory classes, etc.
- Lab classes?

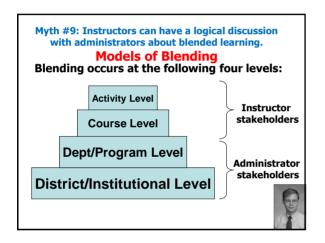


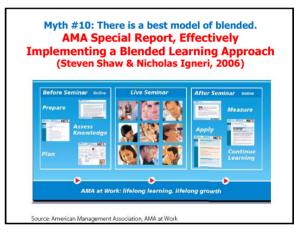


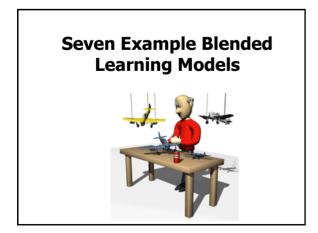
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	process of viscous series the differential baca is a local readination of the medianed but rare when series. The "hybrid" course model is also referred to as "biended." On this site, we use these terms where largestift-	Sumple Hybrid Courses

#### Myth #8: People learn more in face-to-face settings than blended or fully online ones. Fully Online and Blended Learning Advantages

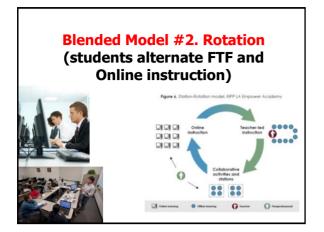
- 1. Increased Learning (better papers, higher scores)
- 2. More effective pedagogy and interaction
- 3. Course access at one's convenience and flexible completion (e.g., multiple ways to meet course objectives)
- 4. Reduction in physical class or space needs, commuting, parking, etc.
- 5. Increased opportunities for human interaction, communication, & contact among students
- 6. Introverts participate more

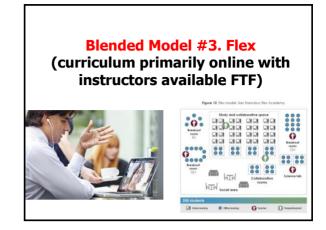




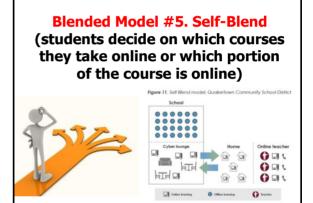


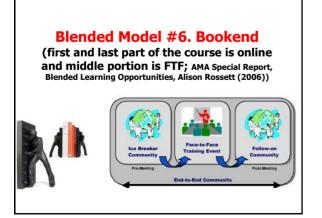


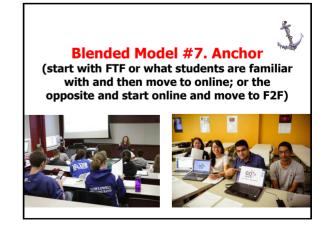






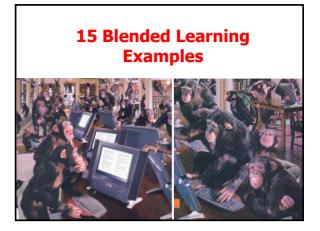






The IBM Four 1	Fier Learni	ng Model	n (F2F) Approa Blending Learning for Nancy Lewis, VP, & P	Business Impact
		4	Learning Labs	Higher order skills and professories
		-	Learning Labs, Classroom, Mentoring, Role Pla Coaching	aying. 🎽 🔶 🛉
		3	Collaborative Learning	Group karning jewe peen/ scipera
			Live Virtual & Asynchronous programs, e-Labs Communities of Interest, Practice and Purpose	` Ý ↔ 🞜 ↔ Ý
		2		Understanding of Frantis
25.2			QuickCases; Simulations; Scenario based problem solving	<b>İ ⇔ </b>
	-	1	Performance Support & Best Practi	ce Reference Anaroa Originador
			QuickViews: WebCasts, WebBooks,	

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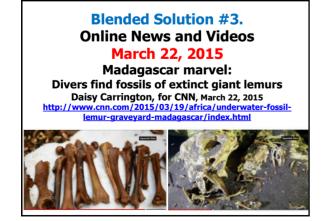


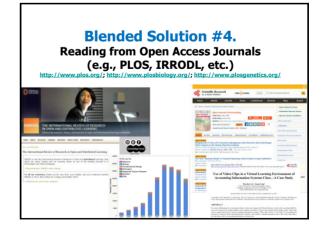
### **Blended Solution #2.**

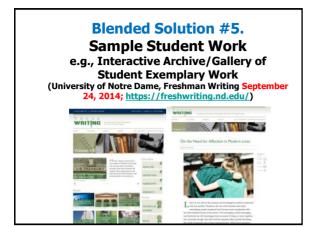
Analyzing Online Raw Data (e.g., Financials from Twitter)

https://finance.yahoo.com/q/is?s=TWTR+Income+Statement&annual http://www.marketwatch.com/investing/stock/twtr/financials

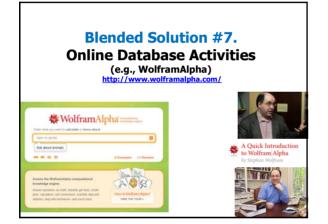


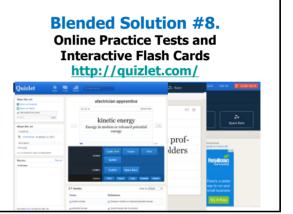


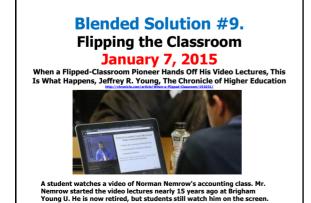


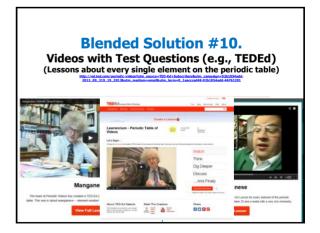












Blended Solution #11. Video Tutorials, Demonstrations, and How-To's Investopedia (videos, tutorials, etc.) (Jing, GoView, Screenr, Overstream, Screencast-o-Matic;) http://www.investopedia.com/video/play/deferred-revenue/

Deferred Revenue









## Again, this talk covered...

- 1. Recent data on online learning.
- 2. 1 Definition of blended learning
- 3. 10 Myths of blended learning
- 4. 8 Models of blended learning
- 5. 14 Examples of blended learning





#### Masterclass Part 2: Best Practices for **Online and Blended learning: Introducing the TEC-VARIETY Model**

Curtis J. Bonk, IST Professor **Indiana Universitv** cjbonk@indiana.edu; http://curtbonk.com/

在线学习动机与激励: TEC-VARIETY 模型 市型在市路空河者的 H6 个品币







**Poll #1:** Million Dollar Question: What words come to mind when I sav that I want to motivate learners?



# **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.







#### What motivates?

9

- MOtiVatteS? Tone/Climate: Psychological Safety, Comfort, Sense of Belonging Encouragement: Foetback, Responsiveness, Praise, Supports Curicetty: Surprise, Intrigue, Univnovms Variety: Novelyr, Fun, Fantasy Autonomy: Choice, Control, Resibility, Opportunities Relevance: Weaninghul, Authenic, Interesting Interactivity: Collaborative, Team-Based, Community Engagement: Effort, Involvement, Investment Tension: Challenge, Dissonance, Controversy Yielding Products: Goal Driven, Purposeful Vision, Ownership
- 5

- 10

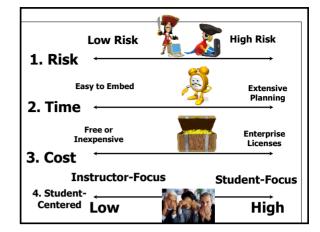
在线学习动机与激励。 TEC-VARIETY 模型

## **Motivation Research Highlights**

(Jere Brophy, Michigan State University)

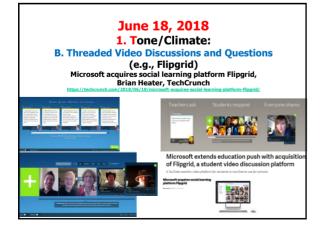
- 1. Supportive, appropriate challenge, meaningful, moderation/optimal.
- 2. Teach goal setting and self-reinforcement.
- 3. Offer rewards for good/improved performance.
- Novelty, variety, choice, adaptable to interests.
   Game-like, fun, fantasy, curiosity, suspense, active.
- 6. Higher levels, divergence, 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.



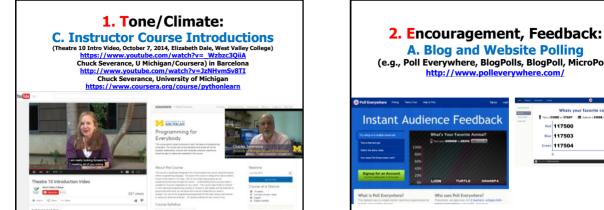




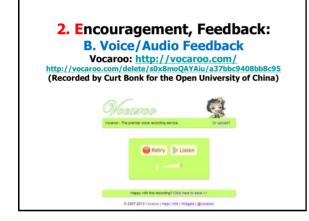




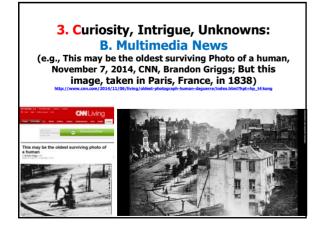


























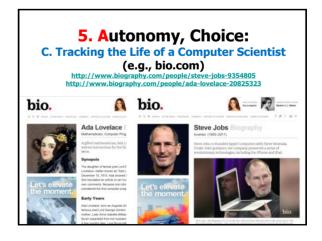












#### Poll #2: Any light bulbs going off in your head so far...?

- A. Yes definitely\*\*\*
- B. Yes maybe!
- C. Not yet (but hopefully soon...)



## Poll #3: Which of these ideas might you use?

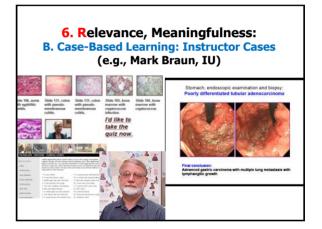
- A. Threaded video discussions (e.g., Flipgrid)
- **B.** Video introductions (instructor or student)
- C. Demonstrations and tutorials (Jing, Screenr, etc.)

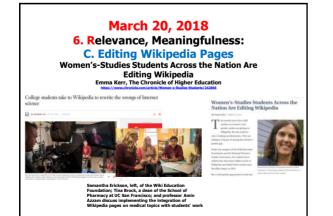
INTERNET

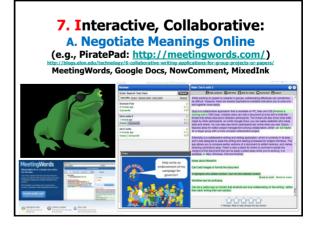
HIGH-FIVE Place Hand Here

- D. Voice/Audio feedback (Vocaroo)
- E. Crowdsourced Science
- F. Something in the News
- G. Summary and Comparison Maps
- H. Immediate Science



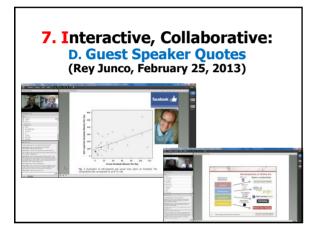




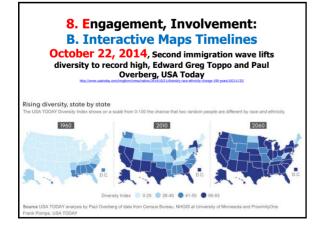




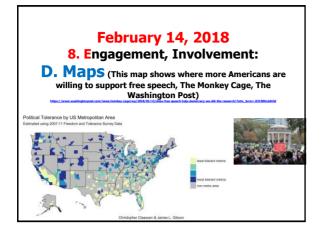
	7. Interactive, Collaborative: C. Backchannel Chat (TodaysMeet) https://todaysmeet.com/ R678_Emerging_Learning_Technologies https://todaysmeet.com/R678_Emerging_Learning_Technologies				
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	Listen I know what HPT is, but unclear on what it looks like. Can you provide an example? I makes me wonder if HPT will give way to the MoCC	Talk Nickname:			
	Listen Concrete foreit Listow whet HPT is, but unclear on what it looks like. Can you provide an example? Foreir to it listom It makes we exorder if HPT will give way to	Talk Nickname:			
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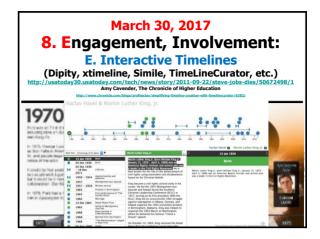




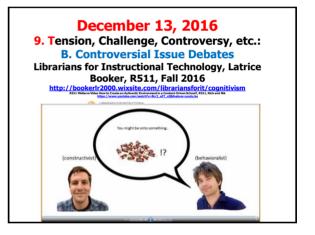


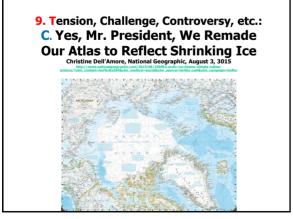


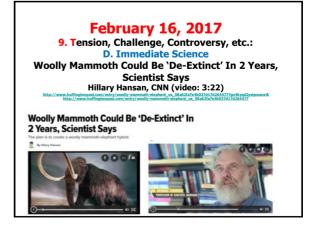






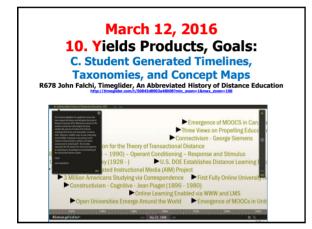


















#### **Poll #4:** Which of these ideas might you use?

- A. Student designed multimedia glossaries
- B. Edit Wikipedia pages
- C. Guest chats with former students
- D. Negotiate meanings online (e.g., PiratePad)
- E. Enroll in a MOOC
- F. Discussion in Zoom
- G. Guest speaker quotes
- H. Student website development



#### **Commitments:** Stop and Share: Which principle(s) of TEC-VARIETY will you use? Tone/Climate **Encouragement, Feedback** Curiosity What motivates? Tone/Climate: Psychological Safety, Comfort, S Encouragement: Feedback, Responsiveness, Curiosity: Surprise, Infrigue, Unknowns Variety: Novelly, Fun, Fantasy Autonomy: Choice, Control, Flexibility, Opportu Variety Autonomy

- Relevance Interactive
- Engagement Tension
- **Yields Products**

- Relevance: Meaningful, Authentic, Interesting Interactivity: Collaborative, Team-Based, Co Engagement: Effort, Involvement, Investment

#### **Masterclass Part 3:**

**Best Practices for Online and Blended learning: Introducing the R2D2 Model** 

> Curt Bonk, Professor, Indiana University cjbonk@indiana.edu http://mypage.iu.edu/~cjbonk

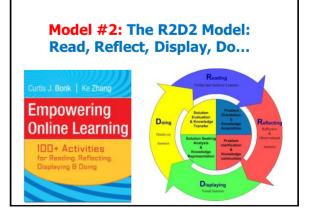


# **Addressing Learning Styles with R2D2**



### **Question:** How can technology address diverse learner needs?





# 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.

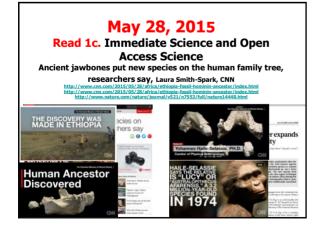




January 20, 2016 Read 1b. Podcasts IU Bloomington podcast series to launch Jan. 24, Steve Hinnefeld, IU Newsroom



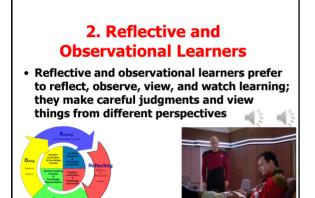
IU's Media School dean James Shanahan, at left, will host a new campus podcast. Senior Luqmann Ruth will read the news for the inaugural podcast. | PHOTO BY JENNIFER PIUREK, OFFICE OF THE PROVOST

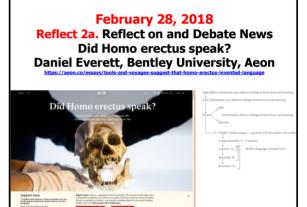




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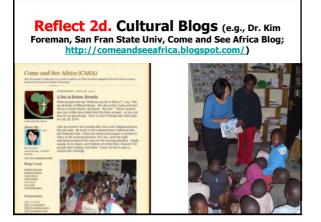










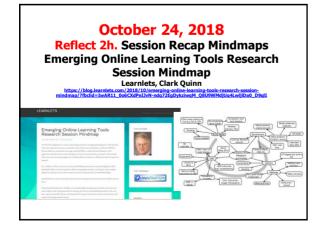


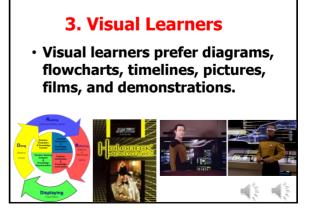
Tech billion	April 13, 2010 ect 2e. Interpreting In Graphs and Infograp How much rainforest in that chocolat haire announces \$250 million in cancer im Jayne O'Donnell', USA Today	nteractive Dhics e bar? nunotherapy funding,
Land-Use Change Emi: 2,000 Ha of cleaned rainformst •••••••	ssions in Miles Driven <b>1.55B</b> miles driven by passenger car <b>58,819</b> the earth the earth	Research Funding from the NH in 2014 Here in the loss of the NH in 2014 Here in the NH in 2014 Here in the loss of the NH in 2014 Here
		Scarce: <u>National Institutes of Please (NPS</u> ) Funding includes gravits, contracts, and other landing mechanisms used



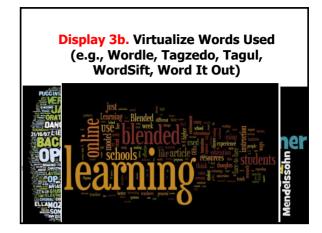
**Reflect 2g.** Workplace Internship, Practicum, and Field Experiences

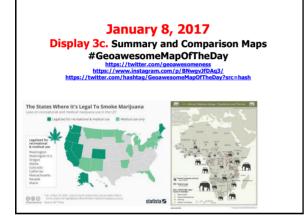


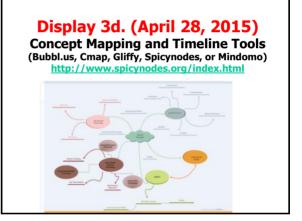


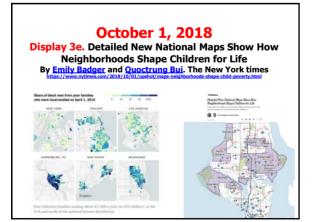


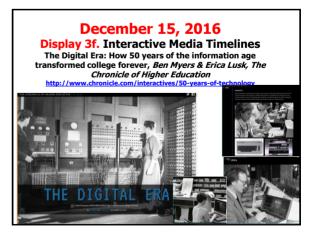












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## 4. Tactile/Kinesthetic Learners

• 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.







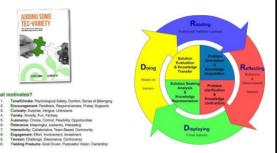


#### Poll #5: Which of these ideas might you use?

- A. Interactive map timelines
- B. Facebook course page (or Pinterest)
- C. Issue challenges, role plays, and debates
- D. Student designed course recap videos
- E. Student infographics
- F. Interactive timeline tools
- G. Videos with test questions



#### **Poll 6:** Which do you prefer... (A) TEC-VARIETY or (B) R2D2?



# Poll 7: 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.











# The Learning Revolution is coming within reach!





