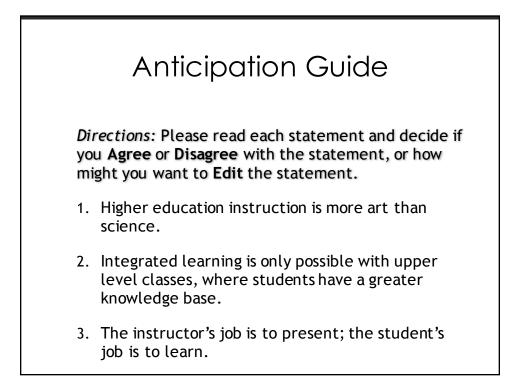
## Research, Myth, & Rhetoric

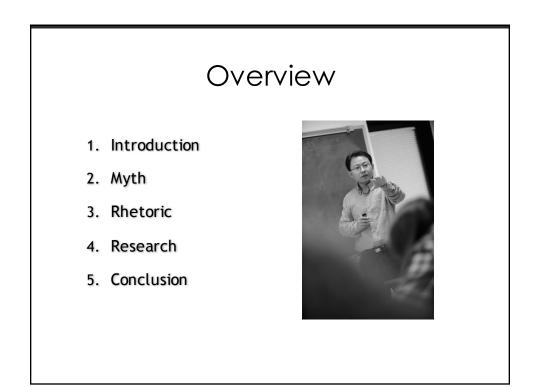
What do we know and not know about learning?



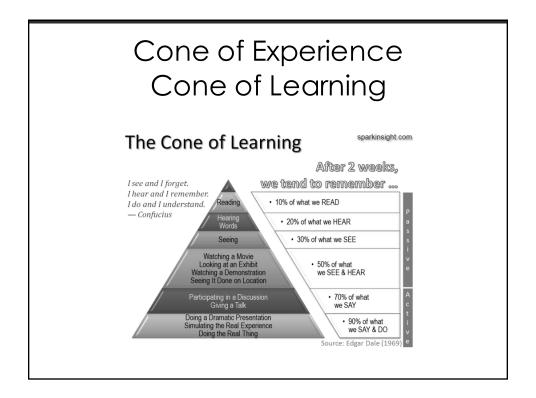
Peter E. Doolittle Assistant Provost of Teaching and Learning Executive Director, Center for Instructional Development and Educational Research Professor, Educational Psychology, Department of Learning Sciences & Technology Virginia Tech • Blacksburg • Virginia

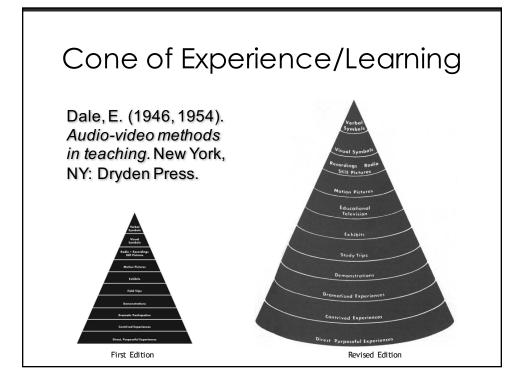


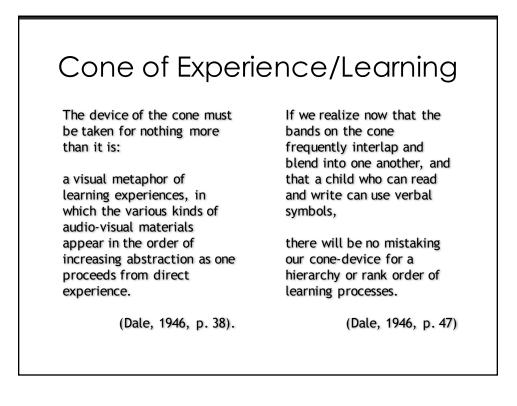


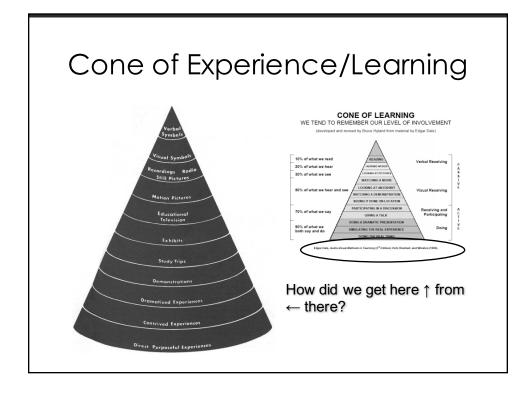


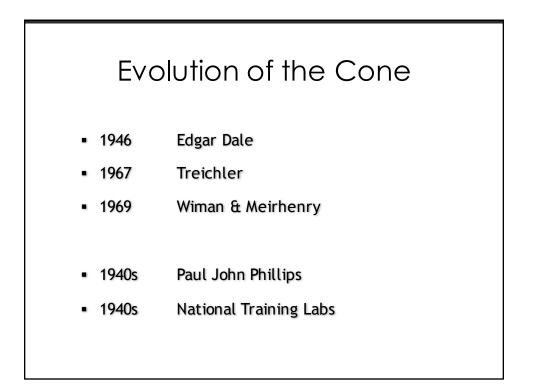


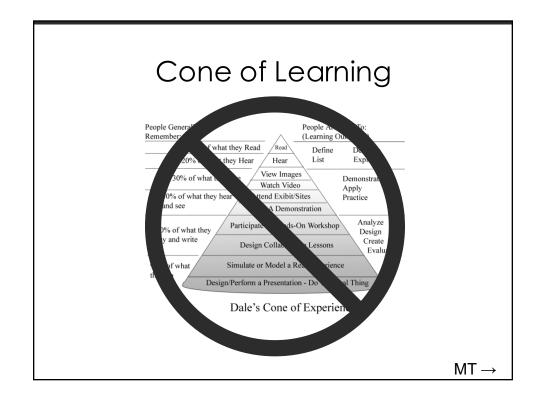


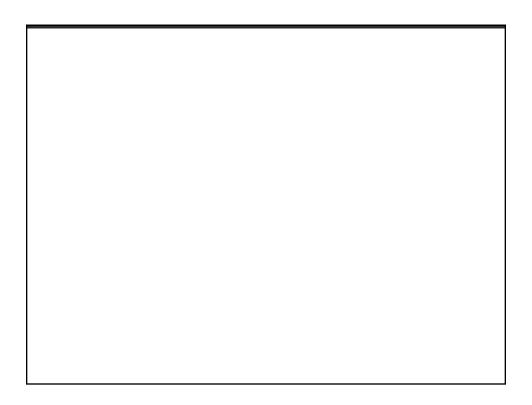




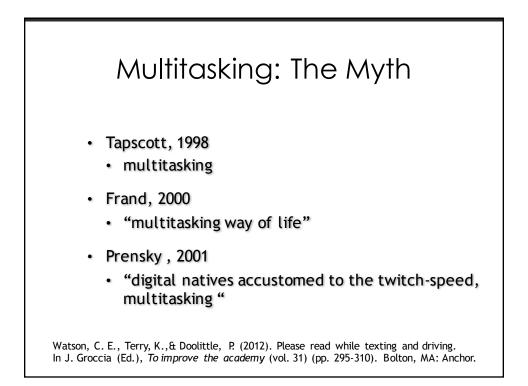


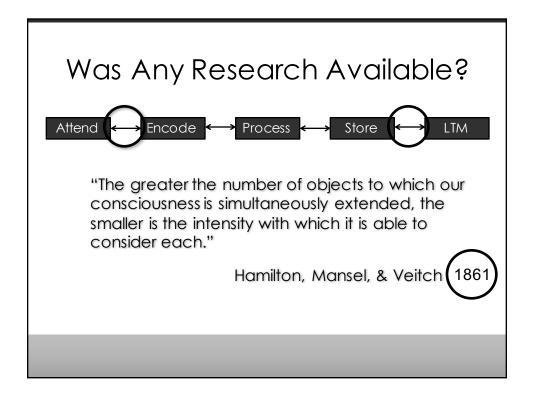


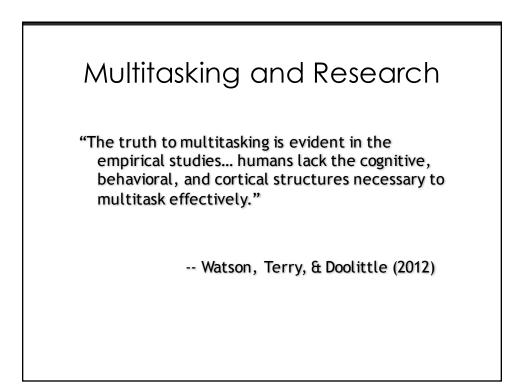










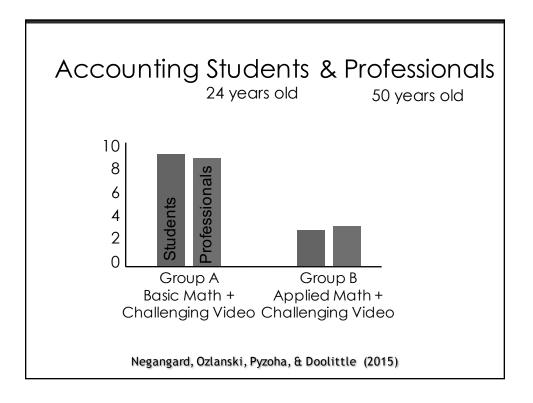


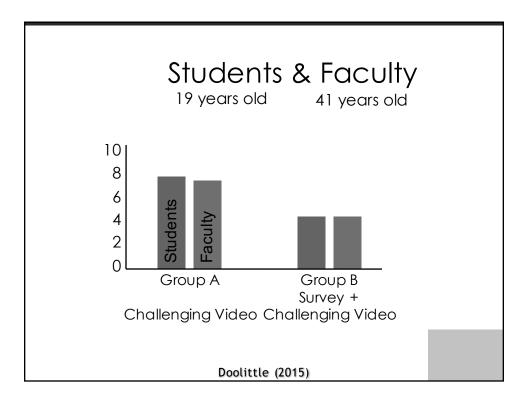




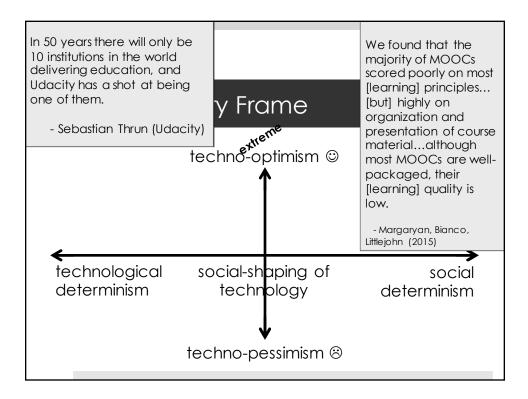
- $\uparrow$  MT with a laptop in class  $\rightarrow \Psi$  retention & class performance
- $\uparrow$  MT while studying  $\rightarrow \forall$  class performance
- $\uparrow$  laptop multitasking  $\rightarrow \psi$  performance by multitasker (11%)
- $\uparrow$  laptop multitasking  $\rightarrow \Psi$  performance by nearby peers (17%)
- ↑ MT associated with ♥ self-regulatory behaviors
- $\clubsuit$  FB associated with  $\clubsuit$  MT associated with  $\clubsuit$  class performance

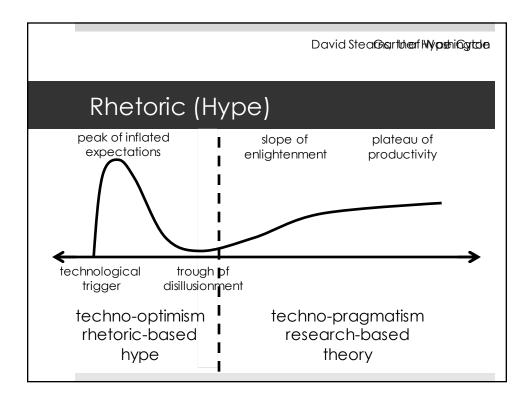
(Judd, 2013; Junco & Cotton, 2011; Sana, Weston, & Cepeda, 2012; Zhang, 2015)



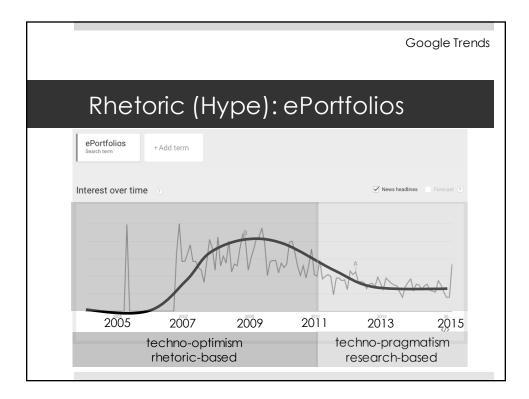


## Rhetoric (Hype) Image: B Sep 2015 No computers = No learning #edchat #techchat #educause Image: Image: Decision of the second se

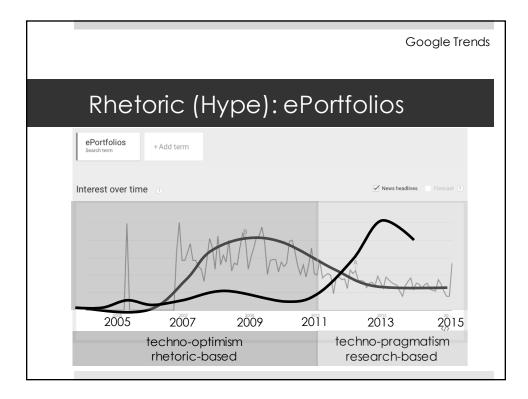


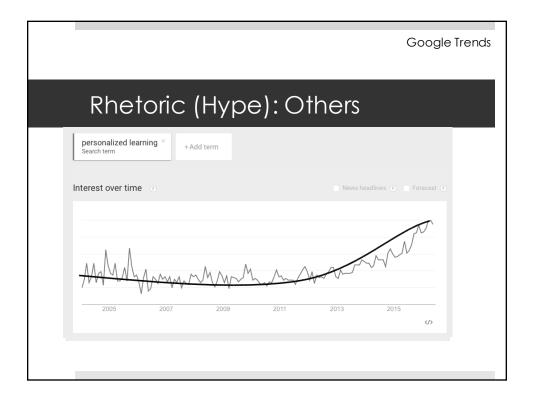


Google Trends	
Academy Awards Search term + Add term	
Interest over time $\odot$	News headlines 🕥 🚽 Forecast 🧿
2005 2007 2009 2011	2013 2015



Rhet	oric (Hype): ePo	rtfolios	
	1996-2014		_
	Article Type	Ν	%
Descriptive	(examples, do/don't)	92	42
Affective	(opinions, perceptions)	63	29
Outcomes	(learning, motivation)	36	17
Technology	(user interface, platform)	18	8
Assessment	(use of rubrics/tools)	8	4
	Total	217	
	um, J. (2013). ePortfolio effective port. International Journal of ePo	•	





## Rhetoric (Hype)

Utilize technology based on need (outcomes) and impact (research), not rhetoric.

