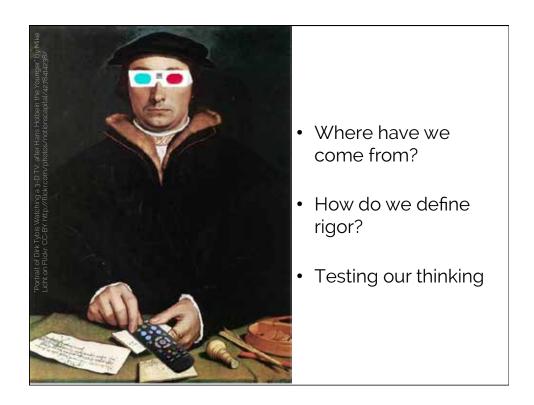


### Rigorous Learning with Technology: Secondary Edition

Kristin Fontichiaro U-M School of Information Slides: bit.ly/fontblog font@umich.edu @activelearning AIMS ~ OCTOBER 7, 2013, 1:15 - 2:45PM DETROIT COUNTRY DAY UPPER SCHOOL







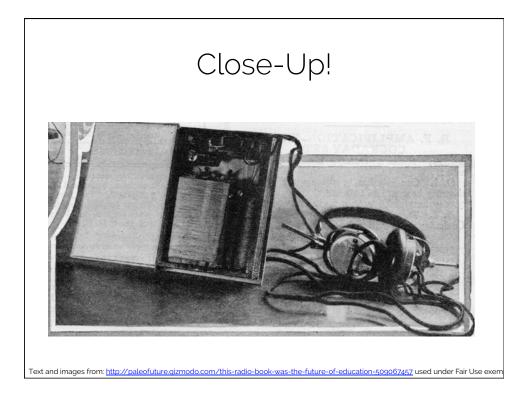


# Any guesses?

"With the everyday added perfections in the transmission and reception... Mary ... will enjoy her ... lessons as much as she now enjoys her bedtime stories. Everything will be an "open book" to her. [It] will take the place of bulky primers and readers. Home work will now be a great joy ... and lessons will be learned with much greater facility."

















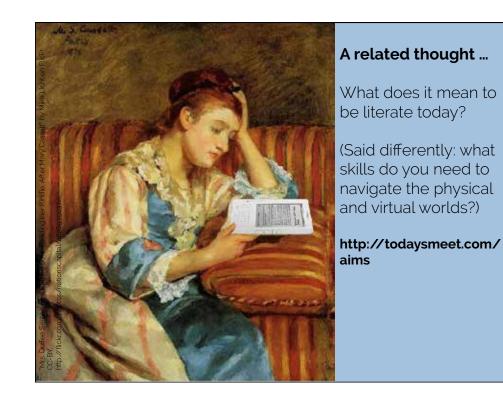


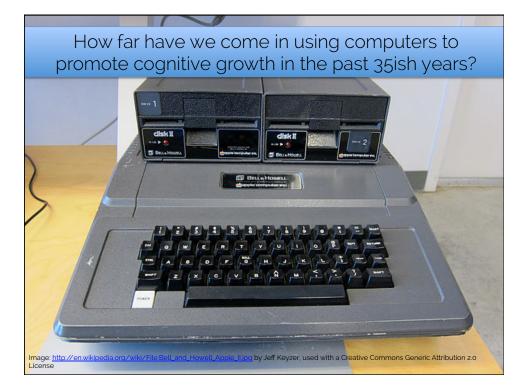




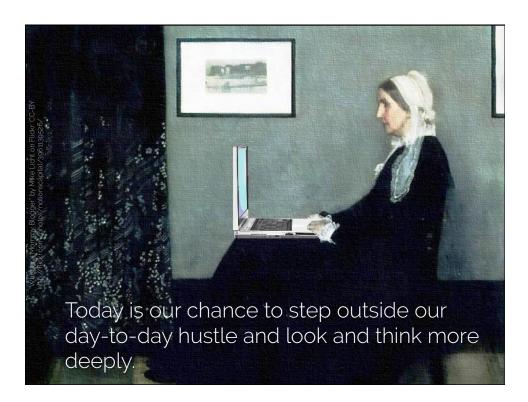


todaysmeet.com/aims









### FANCY NANCY syndrome:

Students make minimal cognitive investment and plug a few trivial infobits into a Web 2.0 tool. They are lauded for their "creativity" ... even though the software engineer did the hard work, not the student.

#### E-EFFORT syndrome:

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Students make minimal cognitive investment and plug a few trivial infobits into a tool where they do a lot of the aesthetic construction.

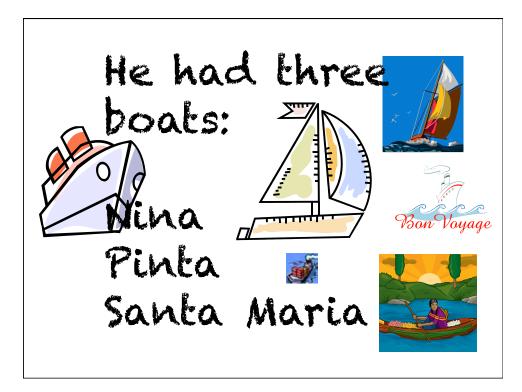


# Chrístopher Columbus was born ín 1461.

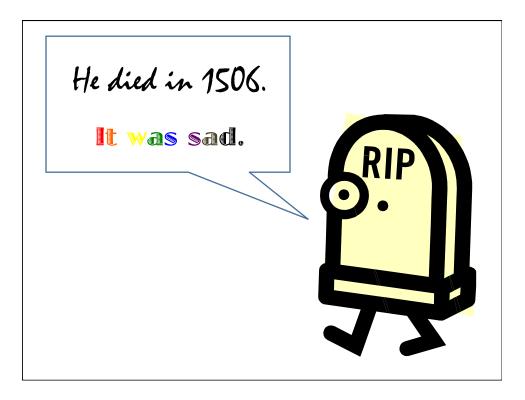


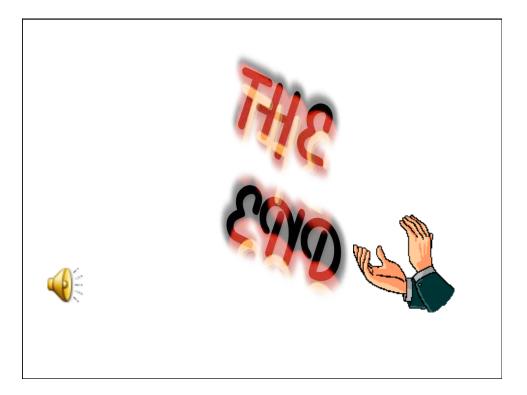






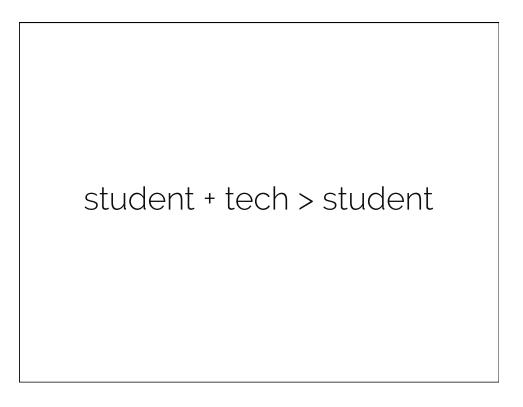




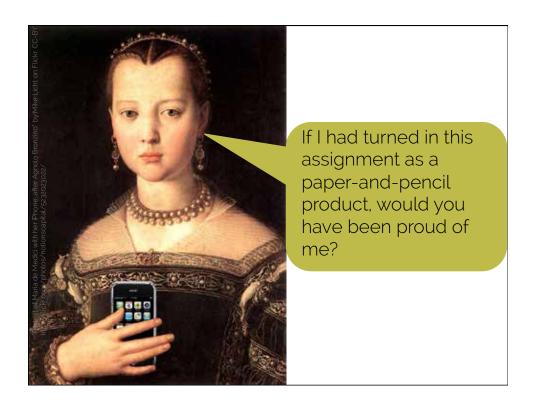


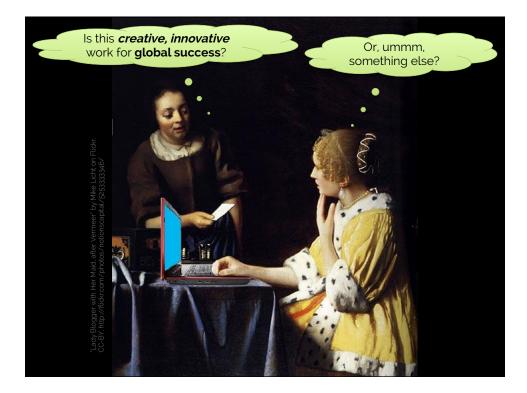


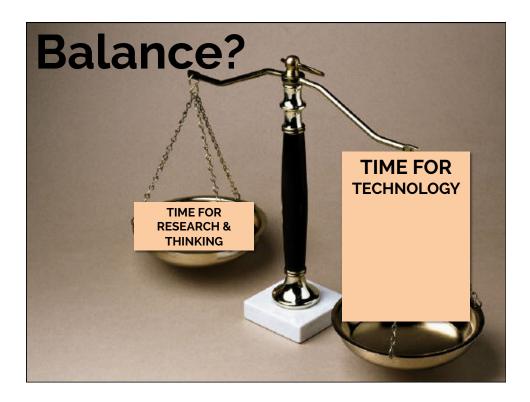














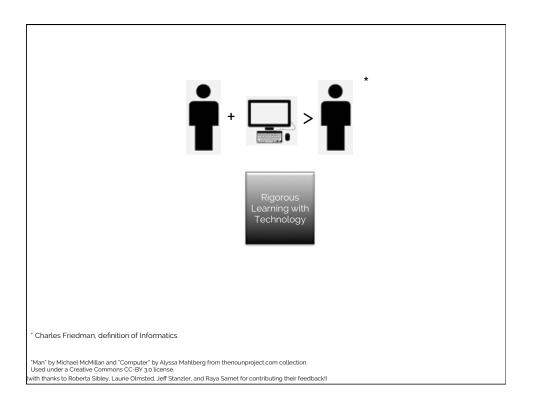
# Norms Matter.

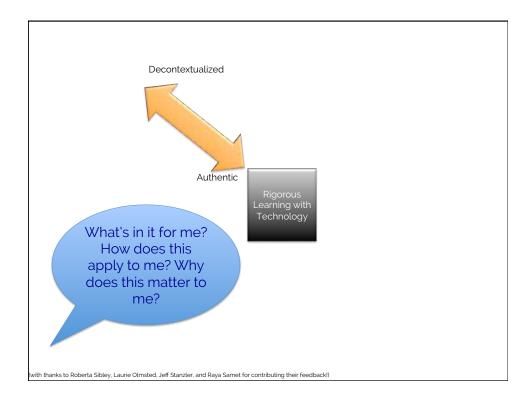


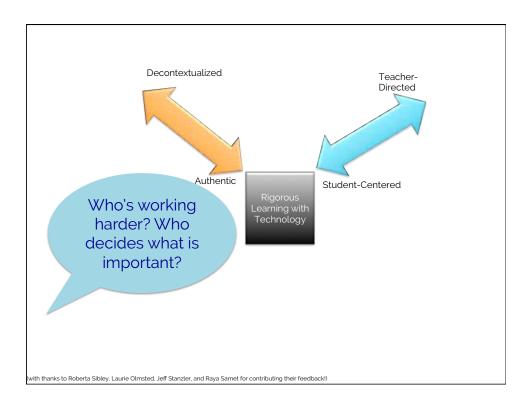


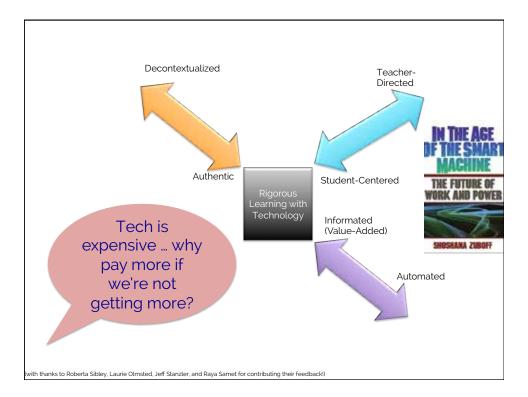
"Harrison Roses" by Susan Noakes McCord, around 1860. From the collection of The Henry Ford. http://www.thehenryford.org/exhibits/quiltinggenius/quilts/73\_120\_1.#ttp://www.thehenryford.org/exhibits/pic/2010/may/quilt.asp

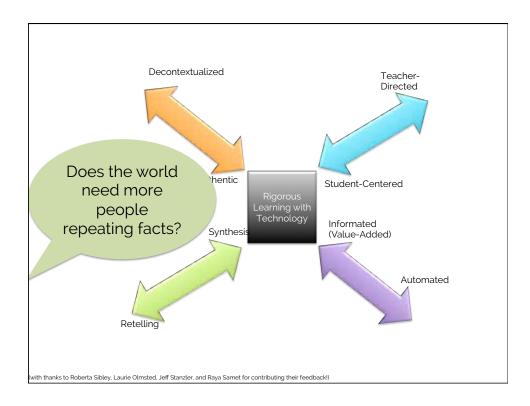




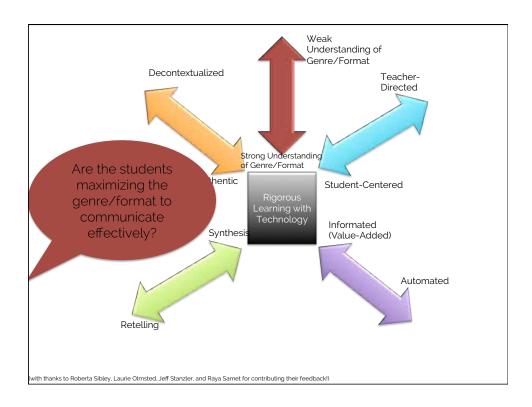


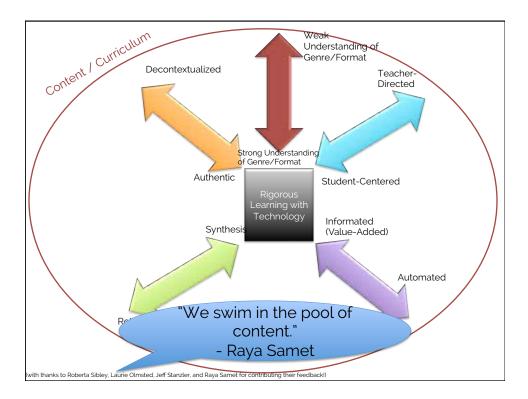




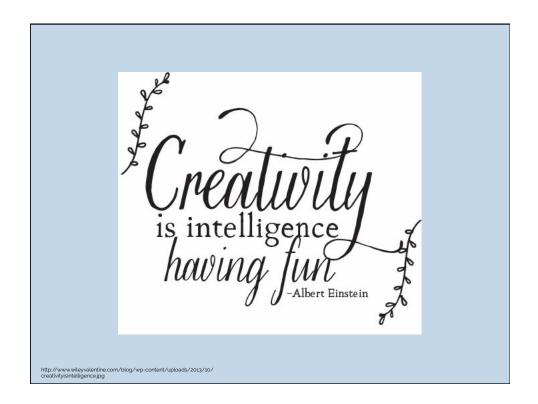




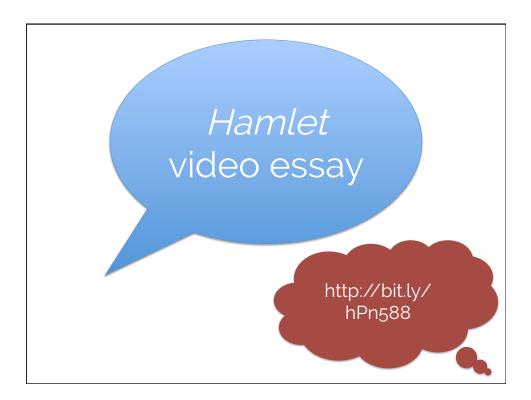


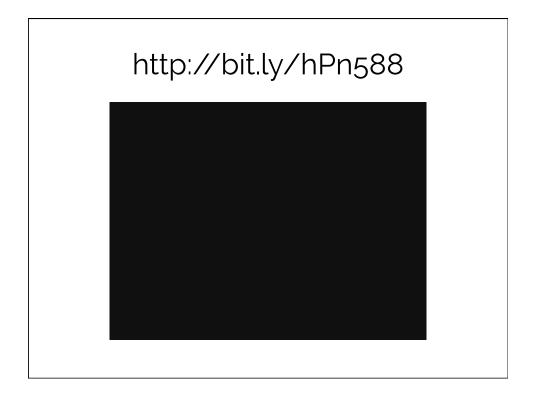




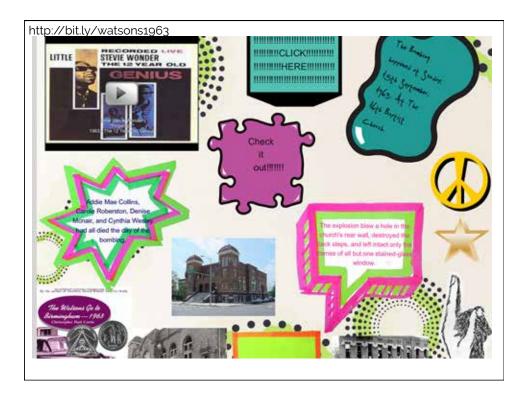












CLICK	
HERE!!!!	The bombing happened at Sunday, 15 <sup>th</sup> September, 1963. At the 16 <sup>th</sup> Baptist
Check it out!!!!!!!	Church.
bli ch de ba lef fra or	he explosion ew a hole in the hurch's rear wall, estroyed the ack steps, and ft intact only the ames of all but he stained glass indow.
	Check it out!!!!!!! bl ch de ba le fra or

http://bit.ly/watsons1963		
	CLICK HERE!!!!	The bombing happened at Sunday, 15 <sup>th</sup> September, 1963. At the
	Check it out!!!!!!!!	16 <sup>th</sup> Baptist Church.
Addie May Collins, Carole Roberston Isic], Denise Mcnair, and Cynthia Wesley had all died the day of the bombing. Copied verbatin Timelines.c	n from om	The explosion blew a hole in the church's rear wall, destroyed the back steps, and left intact only the frames of all but one stained glass window.



Fred's U.S. History students take turns leaving a weekly blog post in which they articulate a comparison between something in current events and something the class has studied in class to date. The other students, using a protocol articulated by Fred, comment on the poster's argument.



When students in chemistry class are in the early stages of understanding unit concepts, they engage in identical experiments in small groups. (They later engage in original inquiry at the end of the term.)

After they complete the experiment, they go to the class wiki, where Maria has already set up a table with a row where each group can report its data. By pooling data onto a single table, students have a larger data set from which to draw conclusions and see anomalies.





#### With your group, choose one of the sample projects you saw and discuss

 how you could tweak it to deepen the level of cognition, problemsolving, decision-making, or critical thinking

#### or

how you could build further discussions around the artifact so as to deepen the overall experience.

