Rigorous Learning with Technology

Kristin Fontichiaro, University of Michigan School of Information SLAQ @ Bristbane

17August 2013, 1:00 – 2:30pm Download slides: bit.ly/fontblog



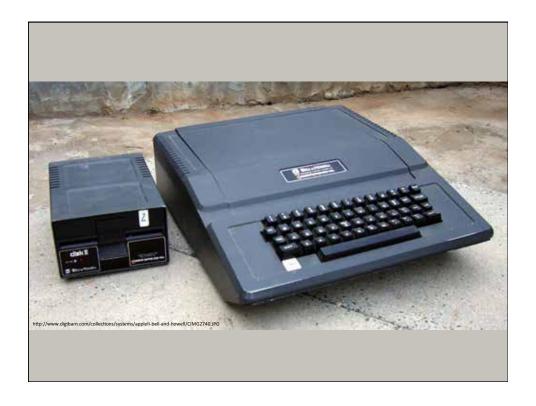
Big Questions Road Map

Today

- What have we learned in our 35 years of bringing ed tech into the schools?
- How can we develop building-wide vocabulary to discuss tech-rich, thinking-rich work with one another?
- How do we go beyond, "Make a video! Be creative!" to identify and communicate what "good work" looks like in various multimedia genres?

Download today's slides: http://bit.ly/fontblog





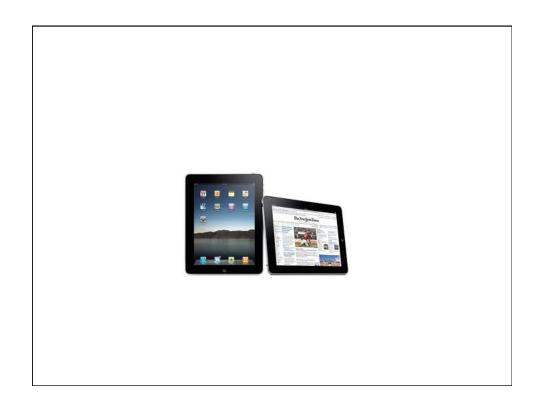












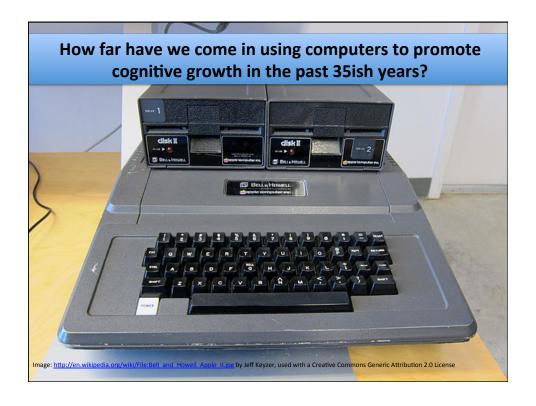
TURN AND TALK:

How have past technology initiatives improved student learning?

What made them succeed?

Where have we fallen short?

Scribe at http://todaysmeet.com/slaq





THEN Paucity & High Cost Careful Selection of Tools

NOW

Abundance & Low/No Cost
Careful choice doesn't matter...
Or does it?



http://bit.ly/bridger-ipad



TURN 'N' TALK!

If a two year-old can use an iPad, what are the implications for our work?

mage: 'whoa' http://www.flickr.com/photos/54021469@N00/653976303



SHARE OUT!

If a two year-old can use an iPad, what are the implications for our work?

Image: 'whoa' http://www.flickr.com/photos/54021469@N00/653976303



I would add ... what does reading mean to this kid?

What does an iPad represent to him?

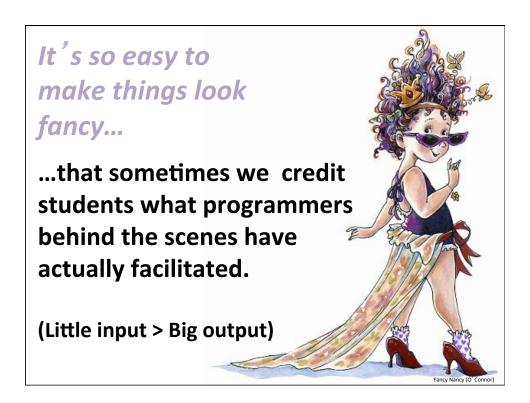
What are those implications?

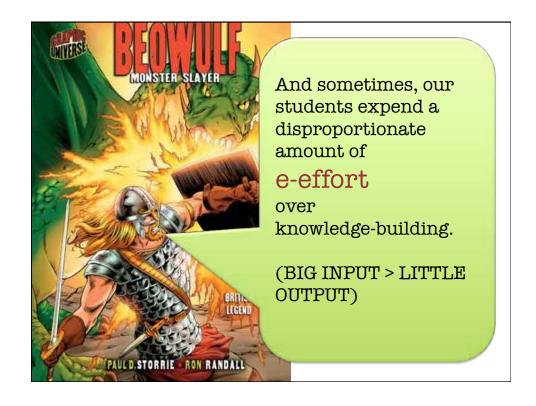
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Turn and Talk

- · How effectively are we teaching students...
 - to interpret the world beyond text?
 - –to create multimedia products that effectively convey messages and content understandings?
 - about employing compelling aesthetics
 - -about multimedia genres?

"Fossil Sitting in Sunlight" by A Guy Taking Pictures on Flickr. CC-BY. http://flickr.com/photos/80901381@N04/7649502498/

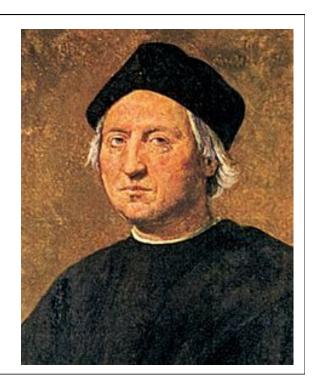






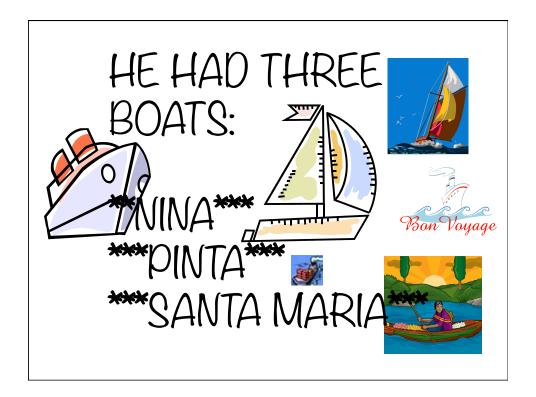


Christopher Columbus was born in 1461.

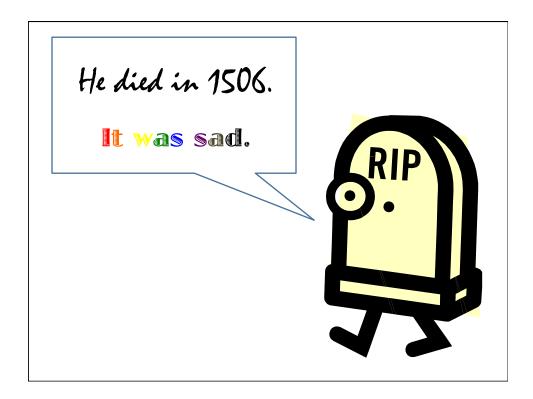


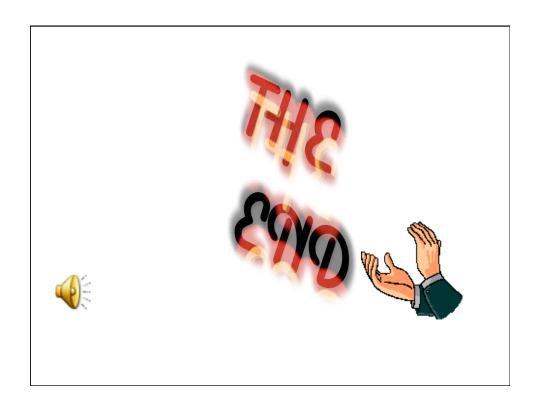






He discovered AMERICA!!!



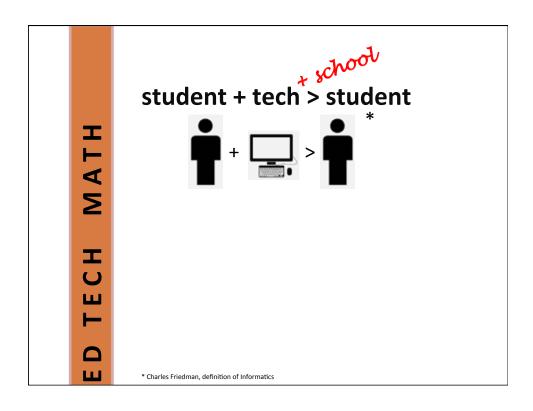


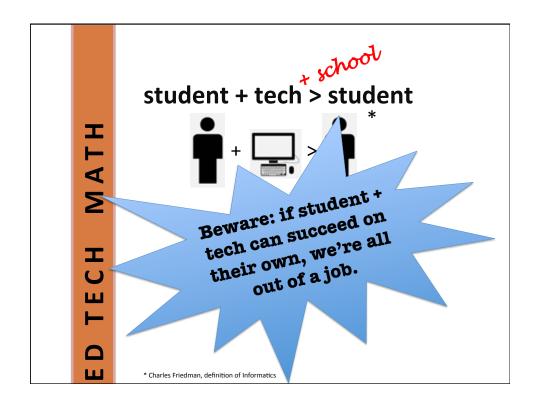


What are students gaining from this experience?

Yes, they're using technology, but where is the knowledge-building?

student + tech > student * * * Charles Friedman, definition of Informatics

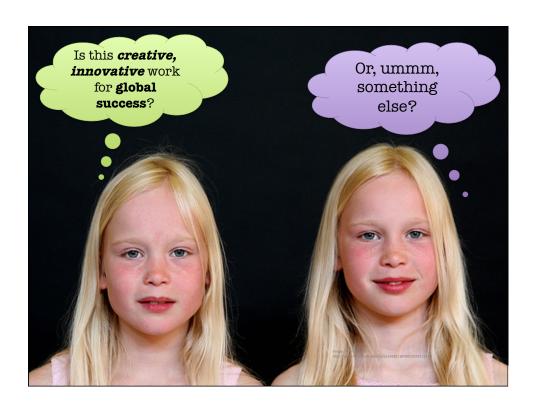


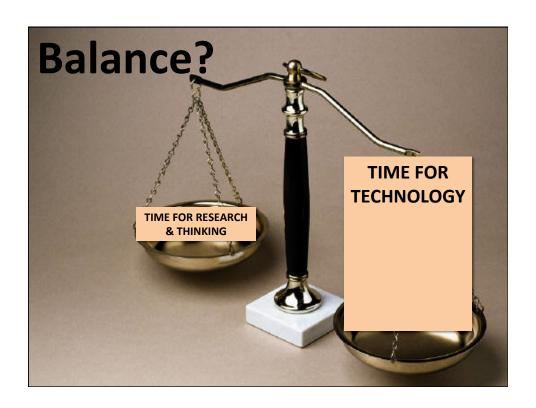




If I had turned in this assignment as a paper-and-pencil product, would you have been proud of me?

India? (And who would buy it?)





* Bernajean Porter; ** Joanne Yatvin



Where's the Beef?*
How Do We Know Rigor When We See It?

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.asp



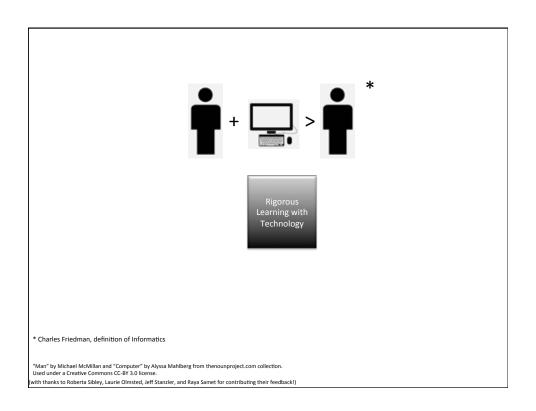
Quilt for Bobby Unser by "Racing's Quilt Lady" Jeanette Holder. From the collection of The Henry Ford. http://www.thehenryford.org/exhibits/pic/2010/may/quilt.asp

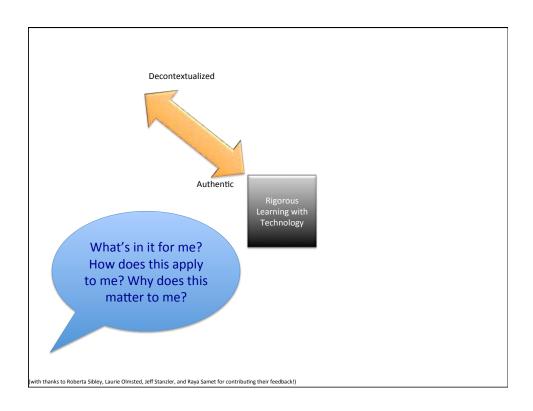
You can't just
push away
the uncertainties;
you have to
push through
them."

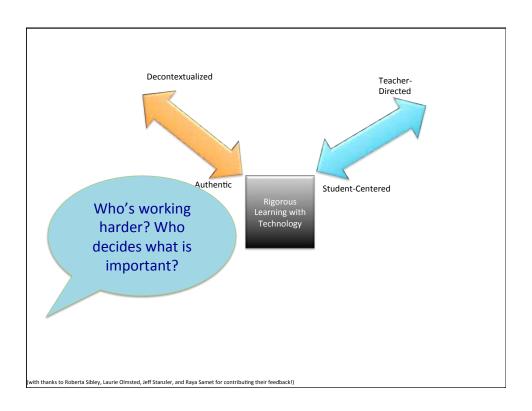
-Jeff Stanzler

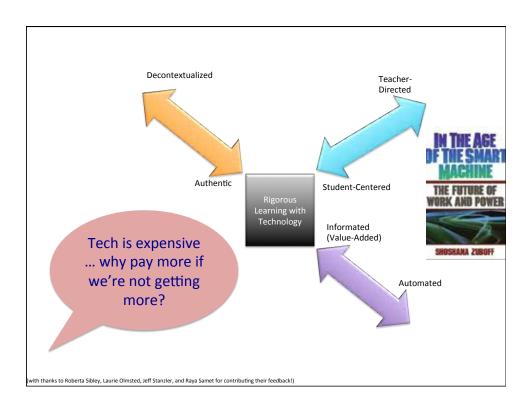
So I started pushing

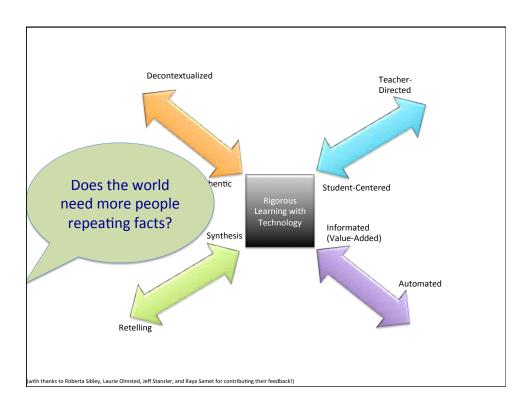


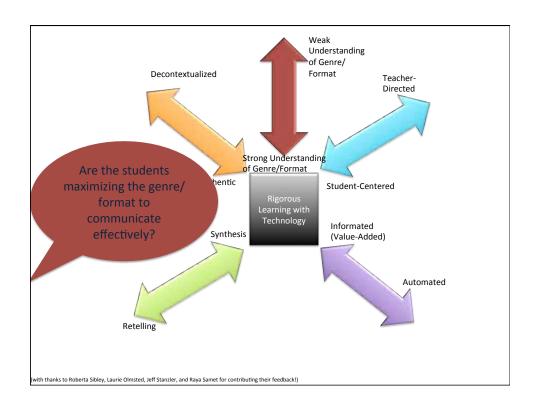


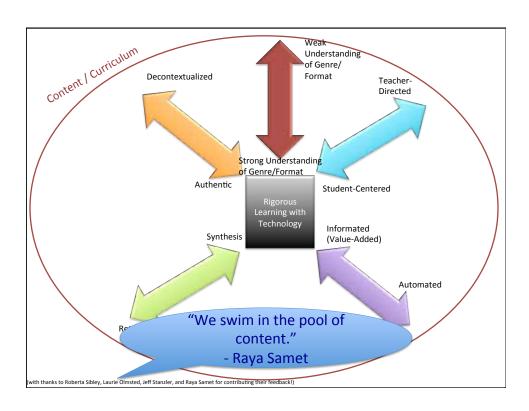




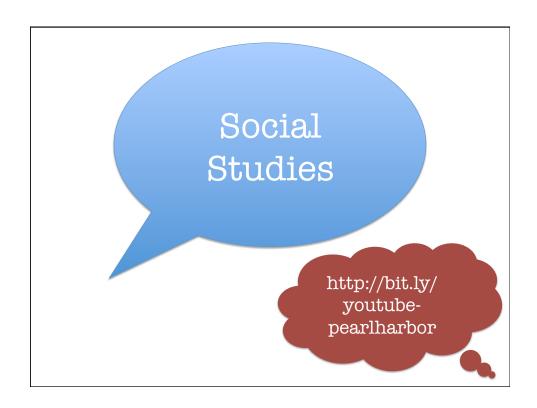












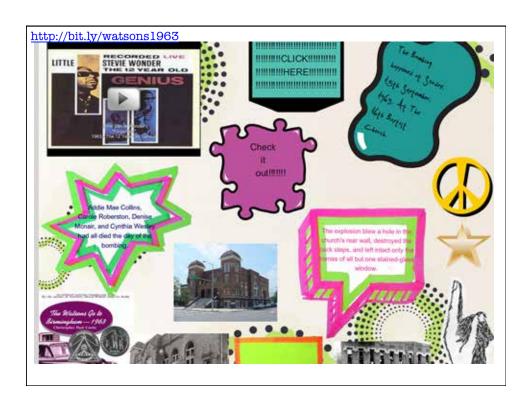


In Maria's science class, students conduct experiments in small groups. Then, they go to the class wiki, where Maria has already set up a table with a row where each group can report its data. By pooling data onto a single table, students can clearly see if their data follows the patterns of other groups.









http://bit.ly/watsons1963

CLICK HERE!!!! The bombing happened at Sunday, 15th September, 1963. At the 16th Baptist Church.

Check it out!!!!!!!!

Addie May Collins, Carole Roberston [sic], Denise Mcnair, and Cynthia Wesley had all died the day of the bombing.

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.

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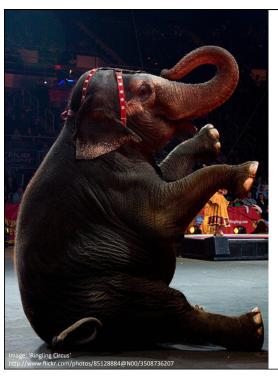


Fred's students are required to blog weekly for history class. They summarize what they have learned and then are asked to think about how what they are learning relates to their lives today.

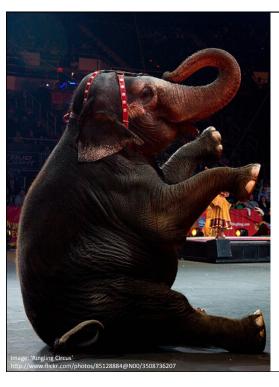
As part of their blogging task, they comment on one another's blogs. Fred has led discussions about productive commenting practices.



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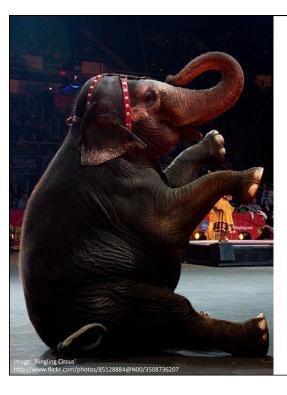
Do we have time for a Grand Finale?



Choose any of the projects we saw and discuss how you'd make it better. Use the Today's Meet backchannel!

- reflective blogging
- science data wiki
- Sofia's animal report
- literary allusions Glog

Share your ideas: todaysmeet.com/slaq



Share out!





