Rigorous Learning with Technology

Kristin Fontichiaro

font@umich.edu

@activelearning

Library Expo – 11.2.2012

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

Connecting people, information, and technology in ***more valuable ways***

Today's Road Map

- **A Lens on the Past:**
  Where We've Been
- **An Unfocused Lens:**
  The Dizzying Choices
- **Refocusing Our Lens:**
  What Do We Mean by Rigor?
- **Testing Our Lens:**
  Student Work Samples

A Lens on the Past:

Where We've Been

We have been in the ed tech business for a lonnnng time.

http://www.digibarn.com/collections/systems/appleII-bell-and-howell/CIMG2740.JPG

Image: 'hardcore gaming at the office'
http://www.flickr.com/photos/35448539@N00/5229554976

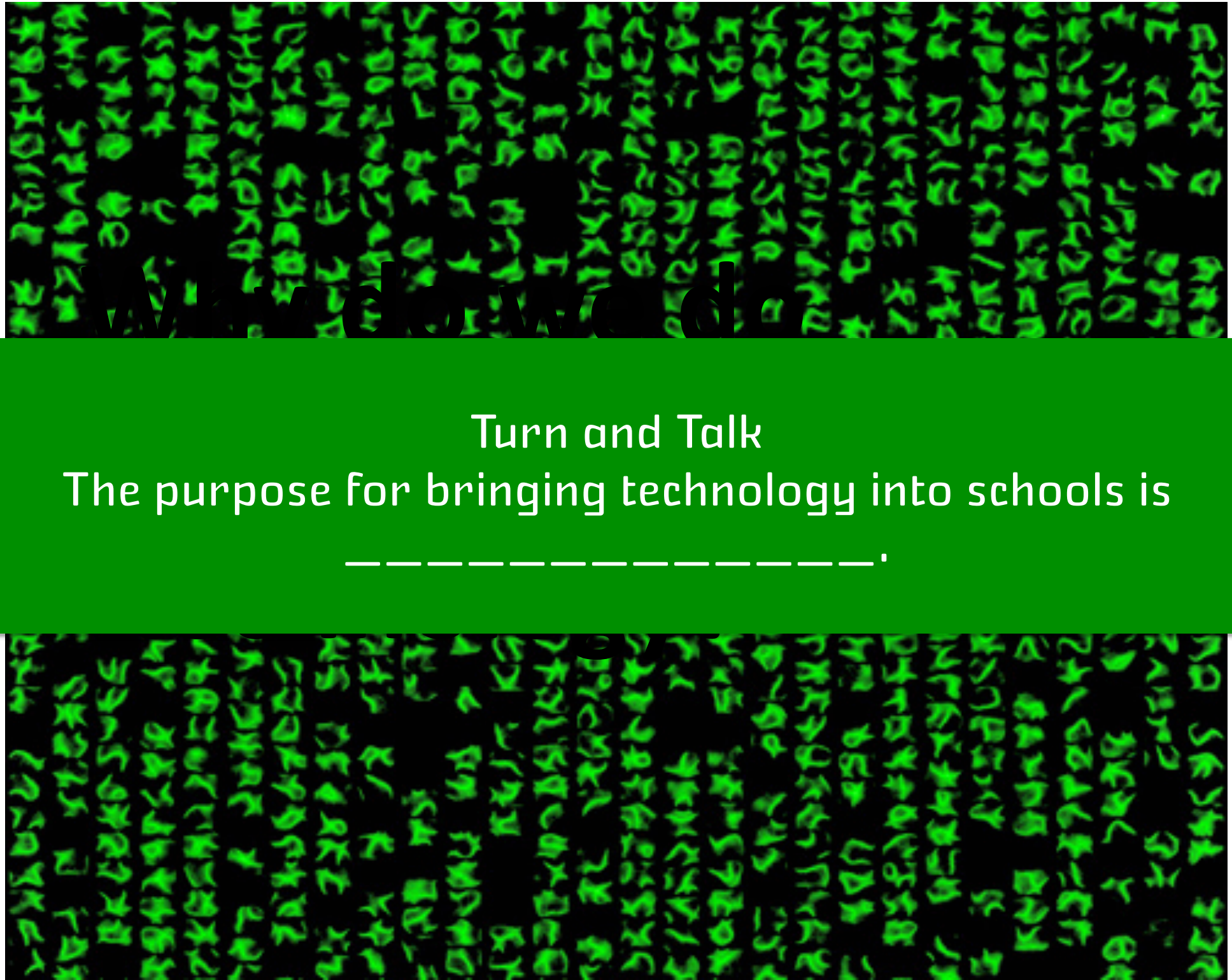
http://bebetoocool.files.wordpress.com/2010/06/macintosh_classic.jpg

AMERICA
Online

http://upload.wikimedia.org/wikipedia/commons/e/e7/PalmPilot5000.jpg

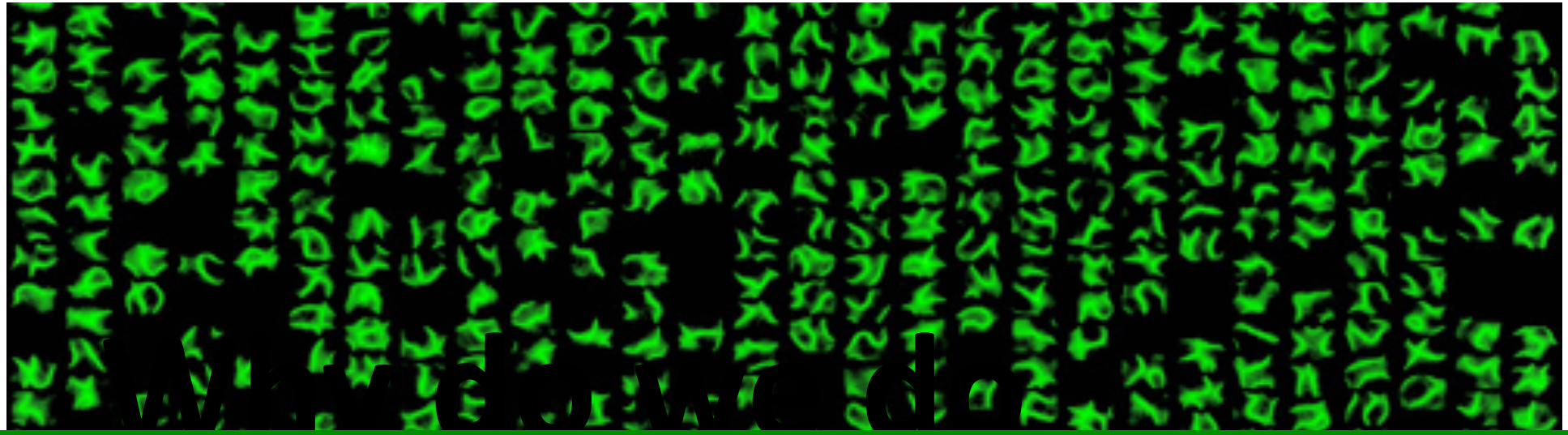
And Then …

And Now …



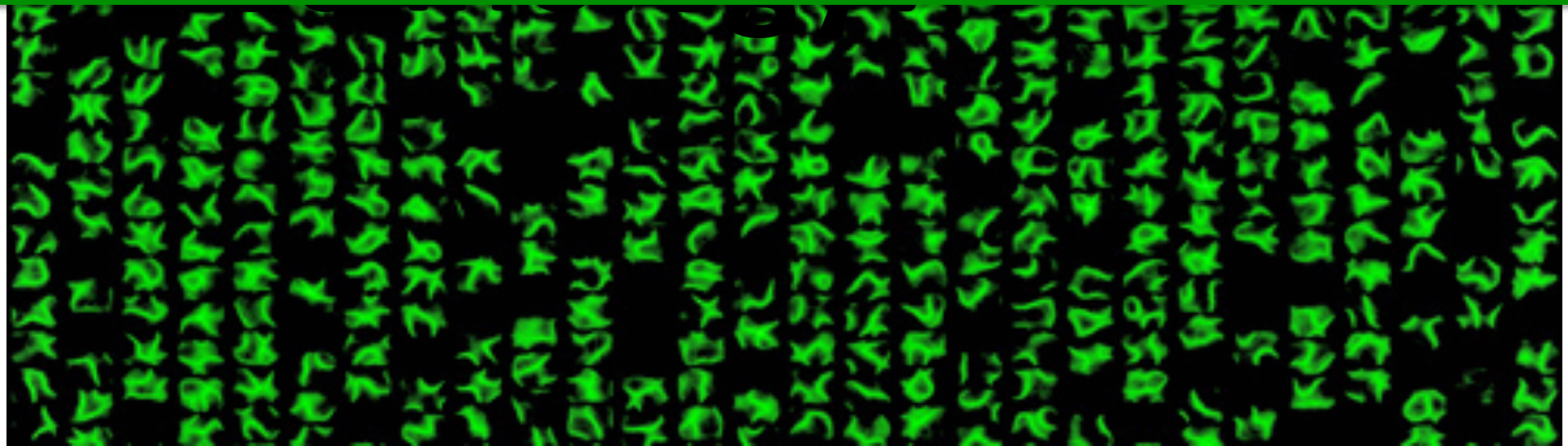
Turn and Talk

The purpose for bringing technology into schools is _____.

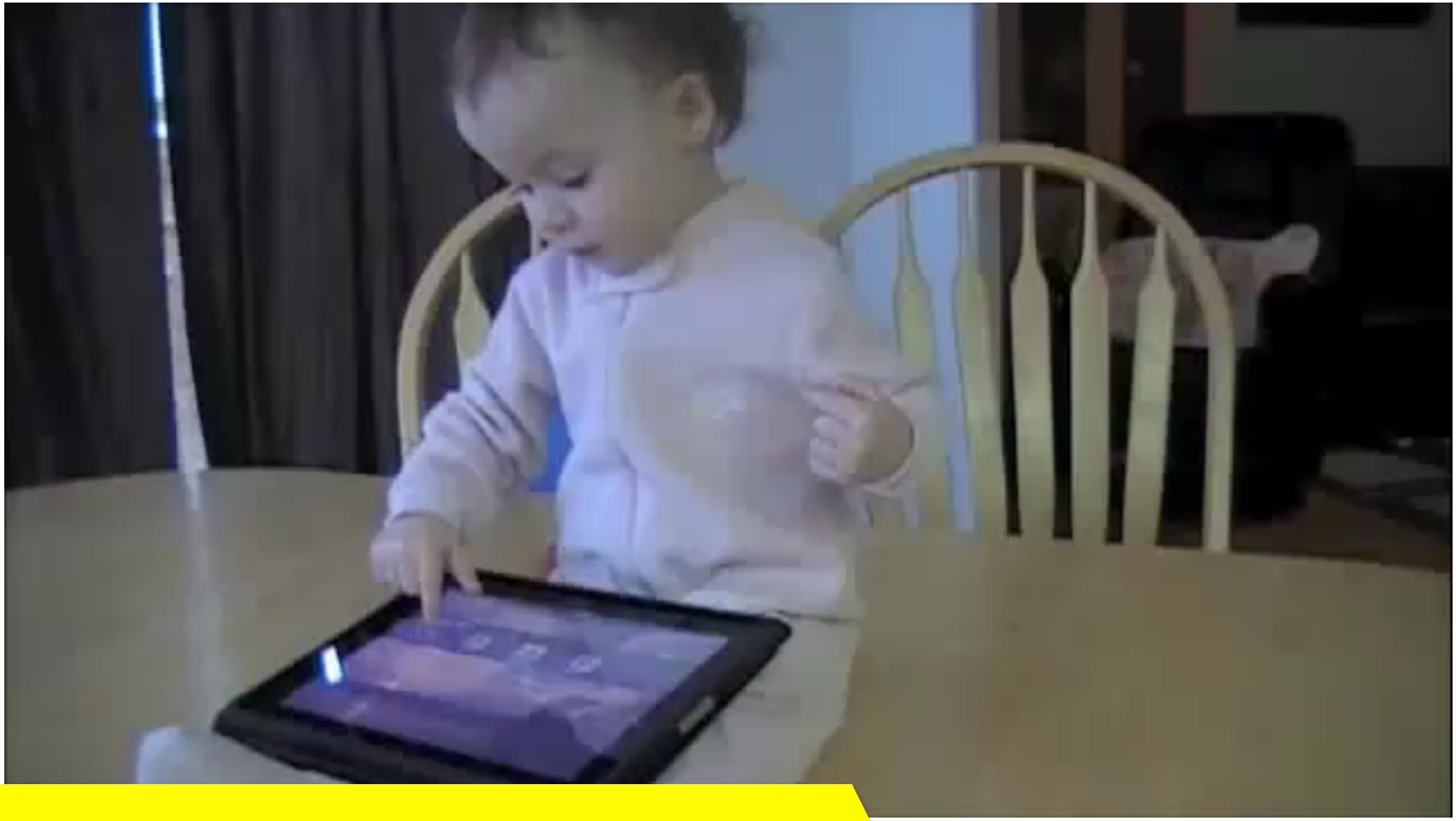


Share!

The purpose for bringing technology into schools is _____.



http://youtu.be/lHqbcGgf90o



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

(click to play)

TURN 'N' TALK!

If a 14 month-old can play Angry Birds, what are the implications for our work?

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

How is ed tech different in the Web 2.0 Candy Store where everything is free?
Magnatune
Go!Animate
Think. Create. Animate.
Google Earth
Dropbox
slide
EVERNOTE
edmodo
skype
jumpcut
del.icio.us
diigo
Webspiration
PANDORA
voki

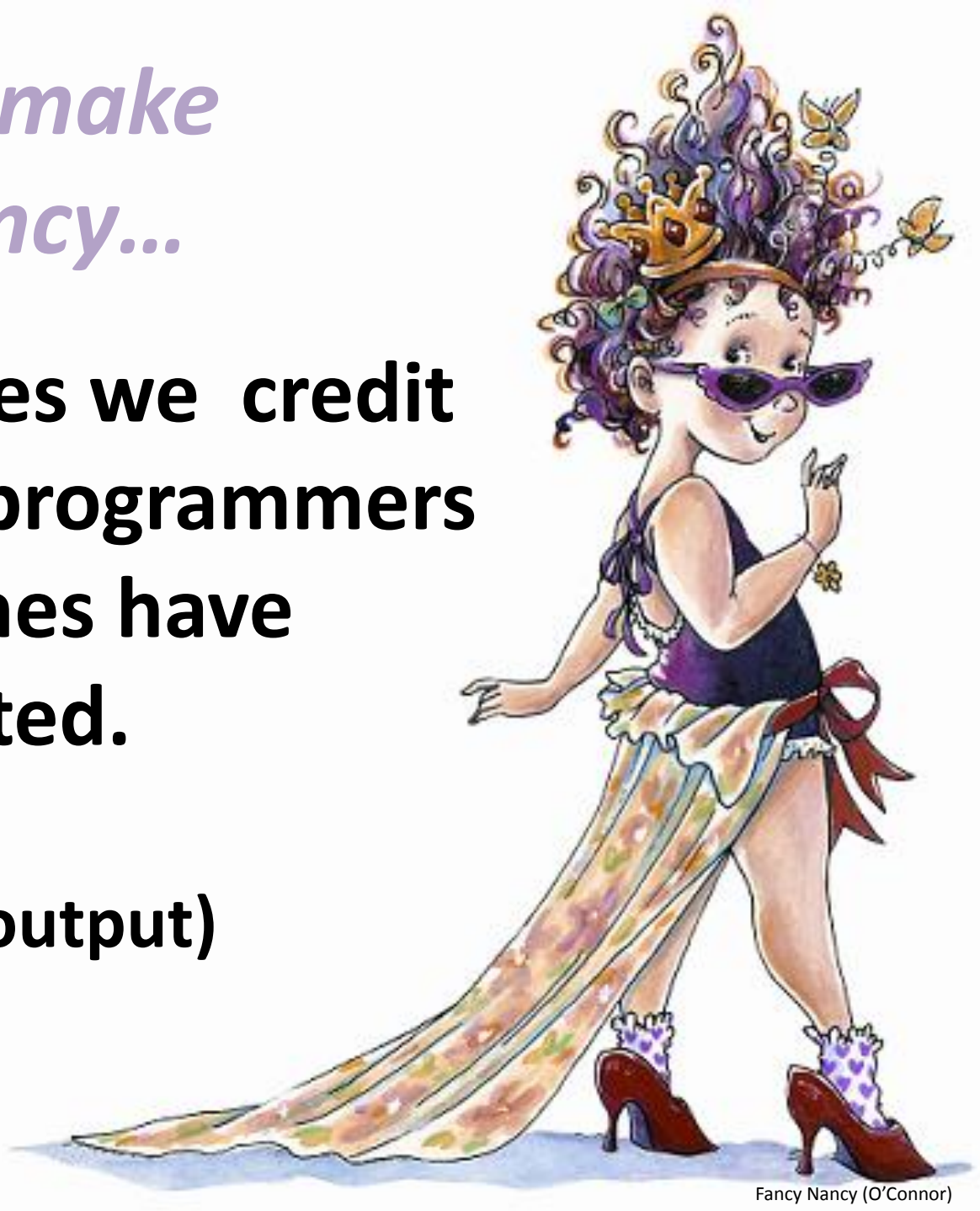
Refocusing Our Lens:

What Do We Expect Students to Accomplish with Technology?

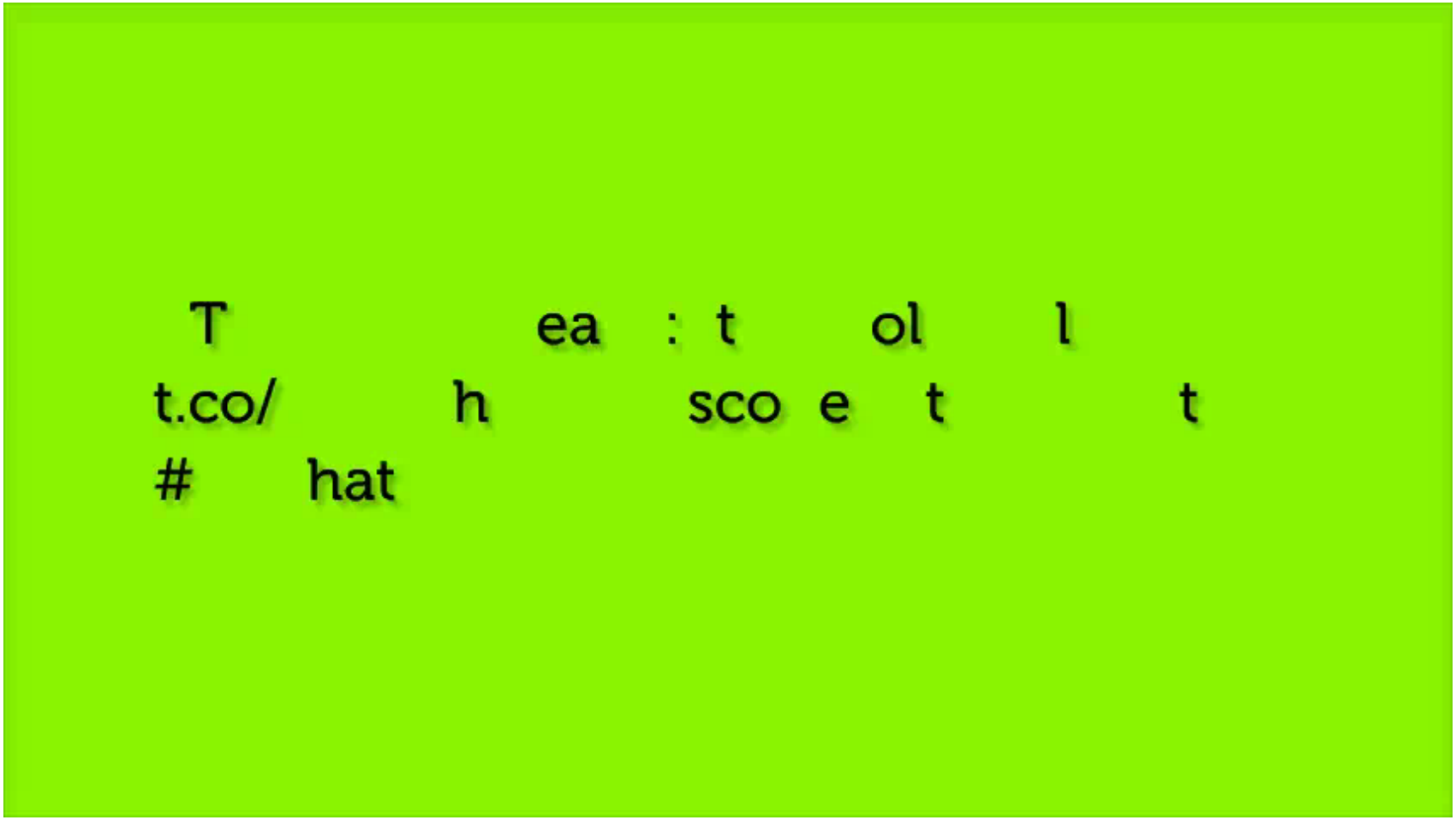
It's so easy to make things look fancy…

…that sometimes we credit students what programmers behind the scenes have actually facilitated.

(Little input > Big output)

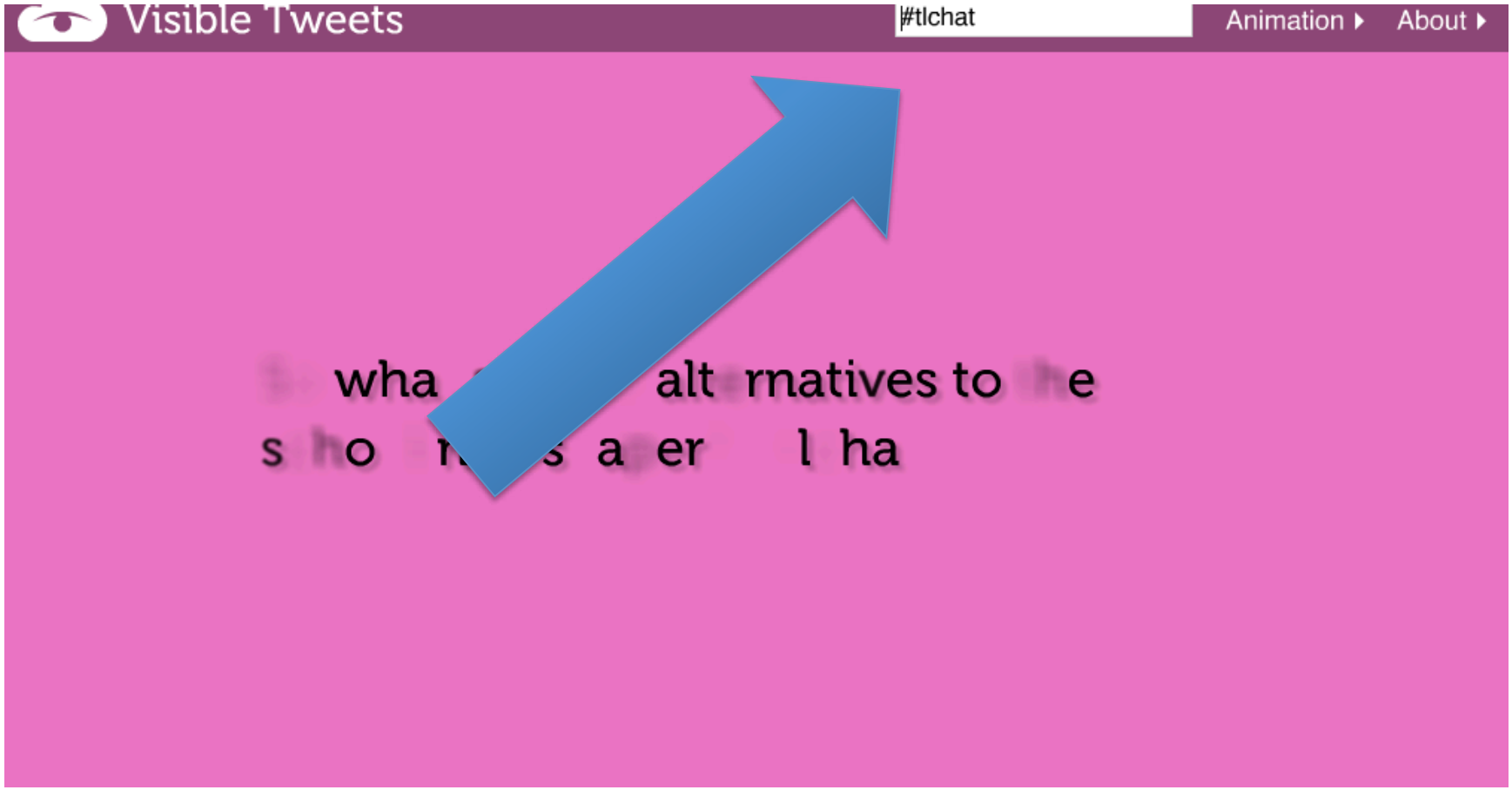


Fancy Nancy (O'Connor)



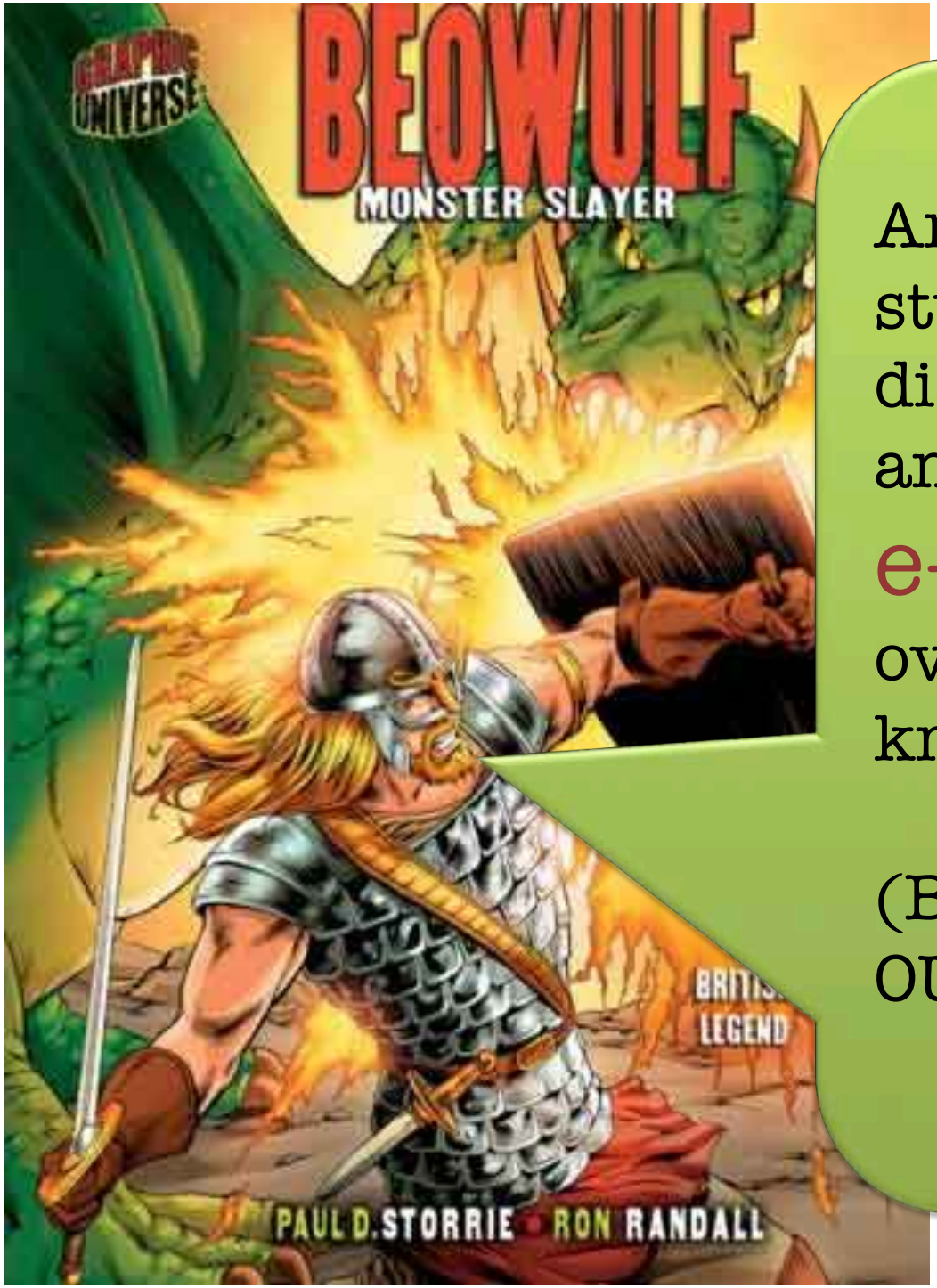
(click to play)

VisibleTweets.com



Little input, big output.

Fancy Nancy (O'Connor)



And sometimes, our students expend a disproportionate amount of

e-effort

over knowledge-building.

(BIG INPUT > LITTLE OUTPUT)

My Explorers Report!!!!!!!

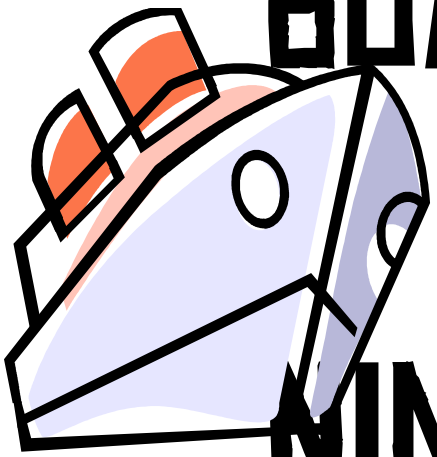
By Kristin Fontichiaro

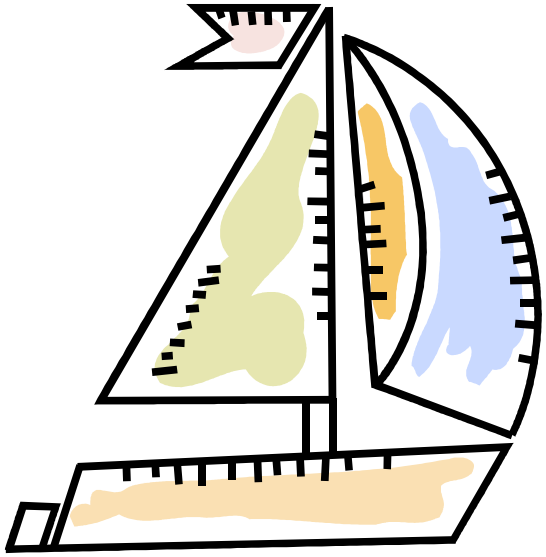
Christopher Columbus was born in 1461.

He was born in Italy.

HOME OF PIZZA!!!!!!! YUM!!!!

HE HAD THREE BOATS:





NINA

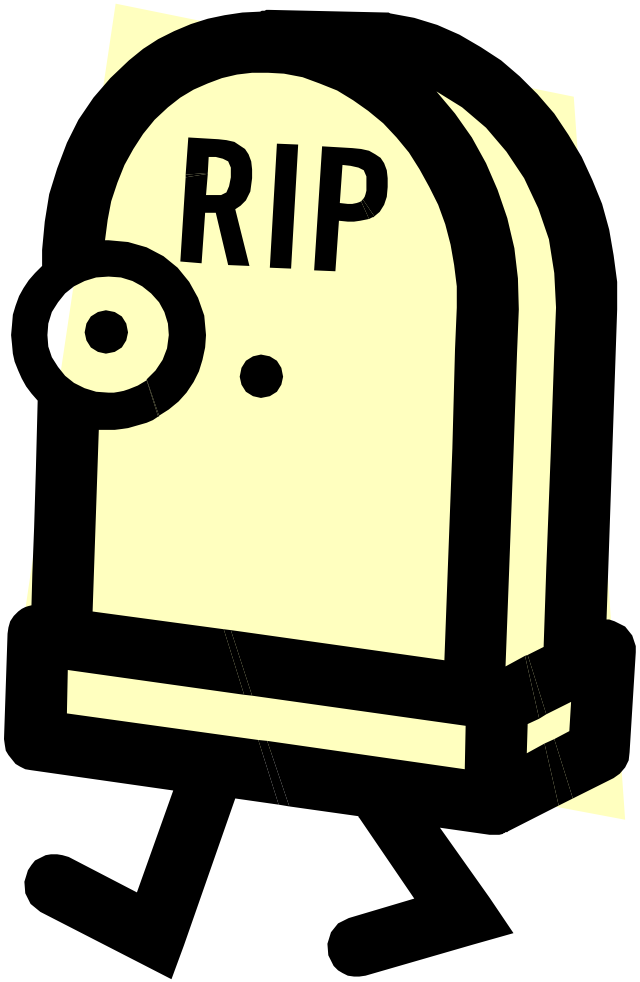
PINTA

SANTA MARIA

He discovered AMERICA!!!

He died in 1506.

It was sad.



THE END

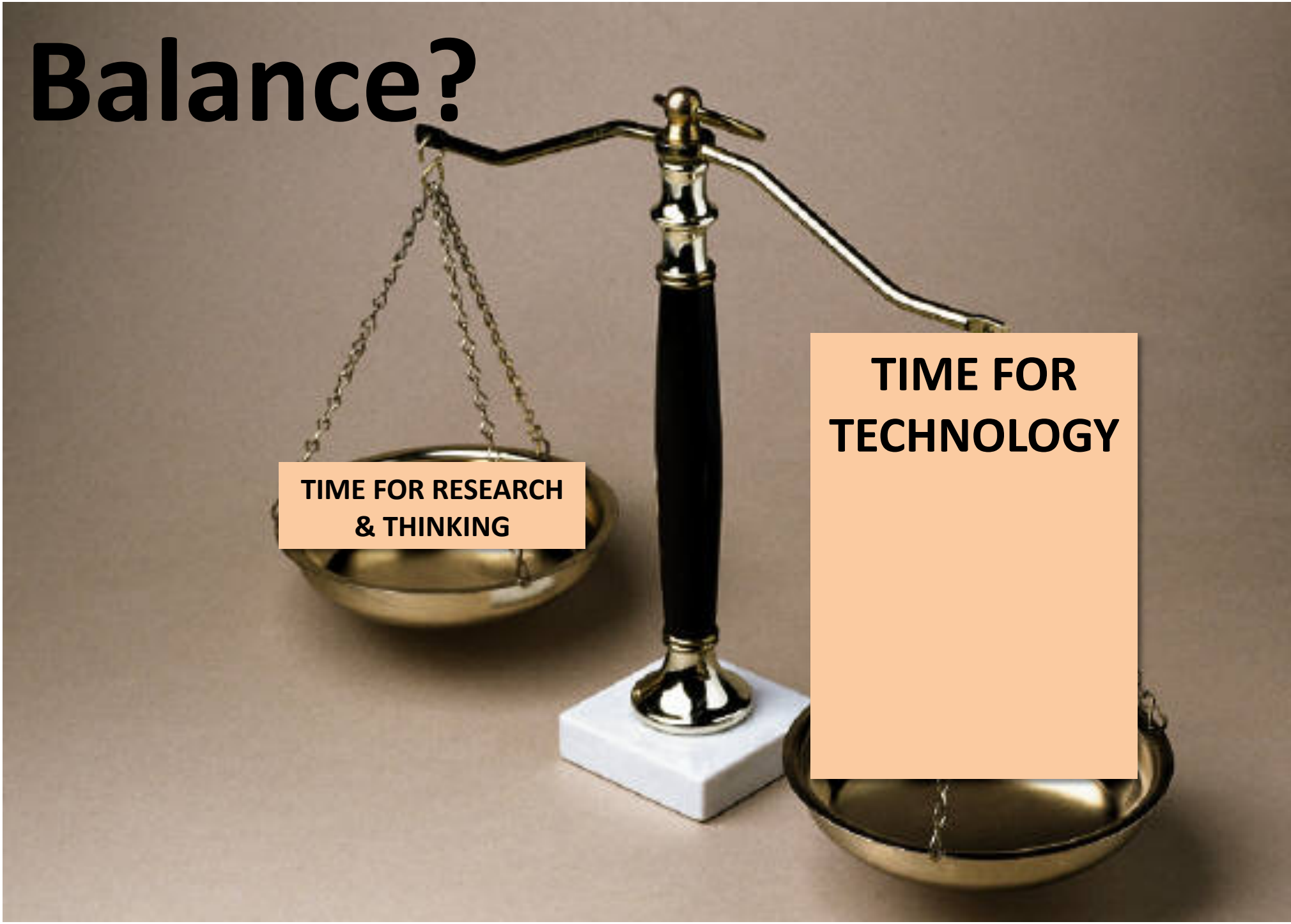
Turn and Talk:

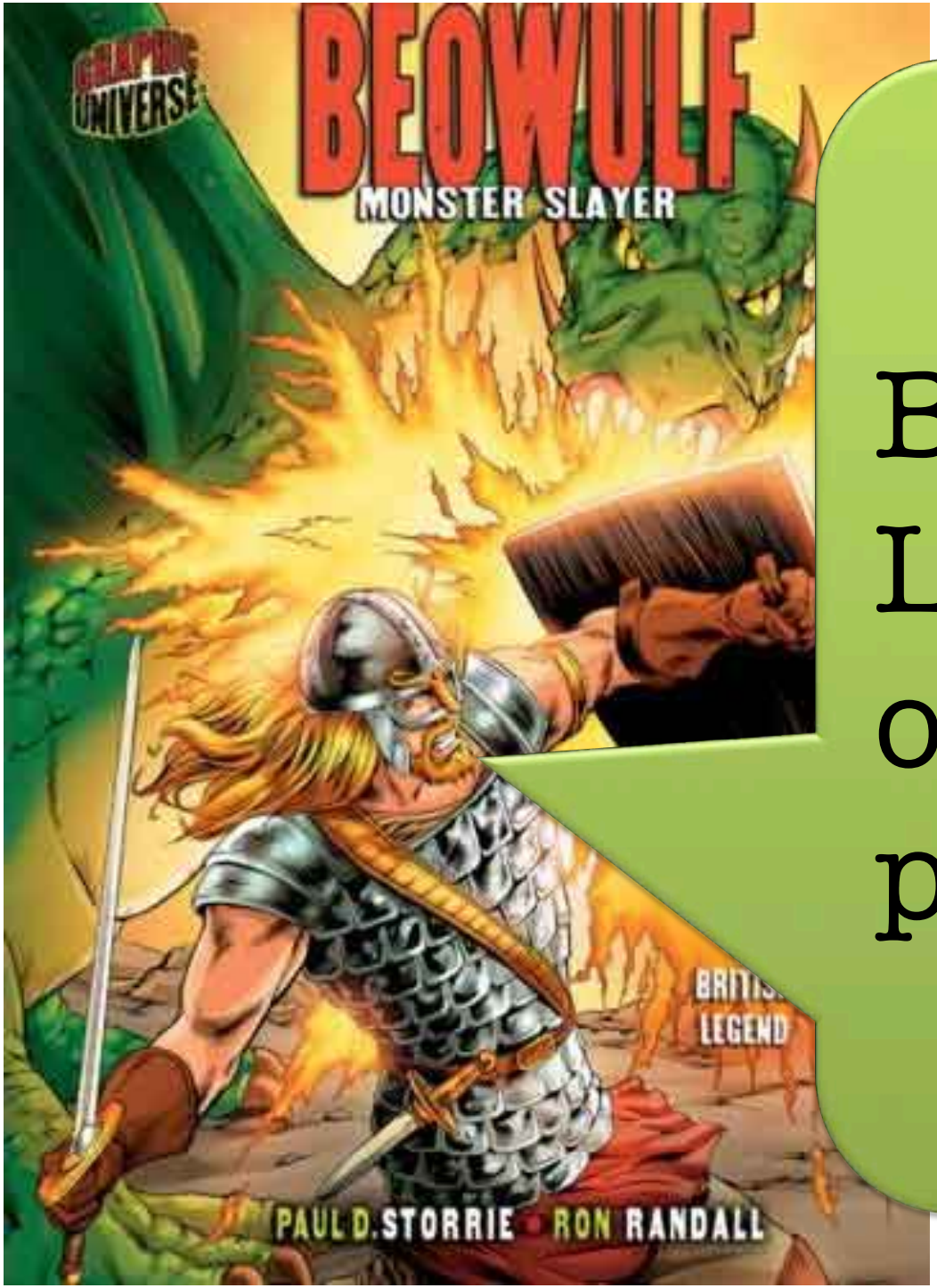
What letter grade would you give this assignment?

Why?

http://flickr.com/photos/kcls/2384986129/
Ride Away
Turn & Talk:
If I had turned in this assignment as a paper-and-pencil product, would you have been proud of me?

Is this ***creative, innovative*** work for **global success**?
Or, ummm, something else?
Image: 'Young Twins'
http://www.flickr.com/photos/61656851@N00/3043113109


Balance?
TIME FOR RESEARCH & THINKING
TIME FOR TECHNOLOGY



Big input, Little output, people.

My Mammal Report!!!!!!!

By Kristin Fontichiaro

Where's the Beef?*

How Do We Know ~~Rigor~~ Vigor** When We See It?

* Bernajean Porter; ** Joanne Yatvin

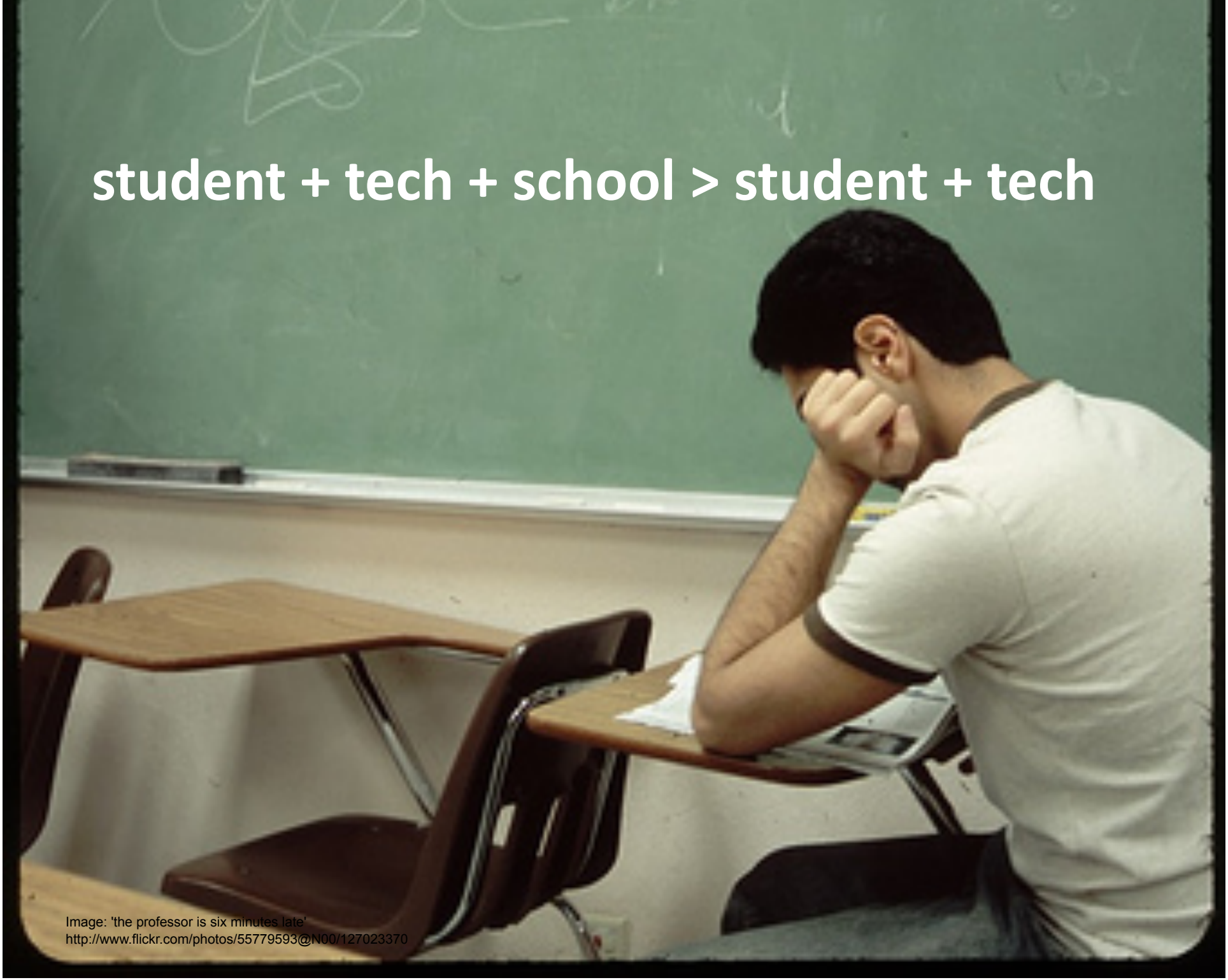


Image: 'the professor is six minutes late'
http://www.flickr.com/photos/55779593@N00/127023370

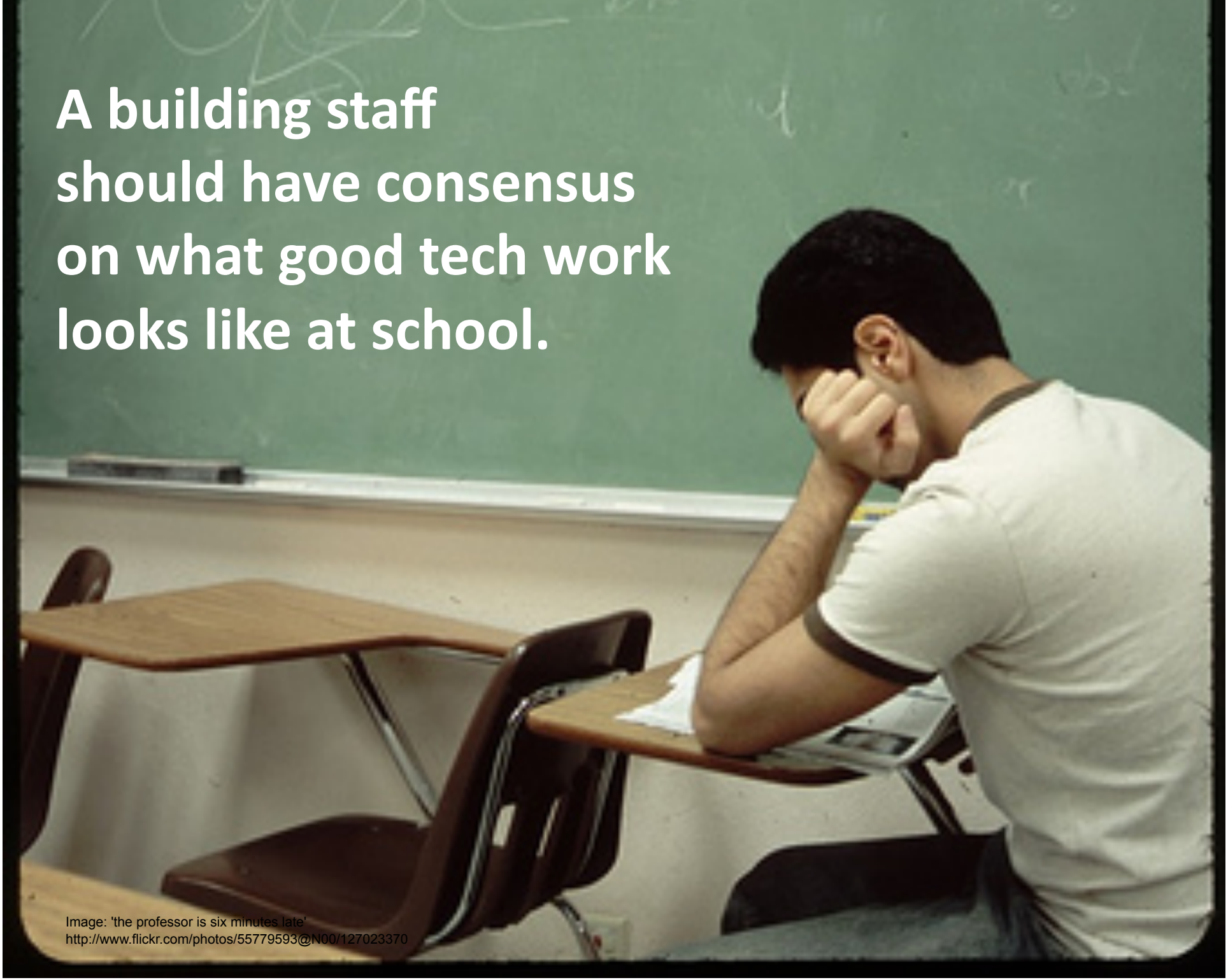
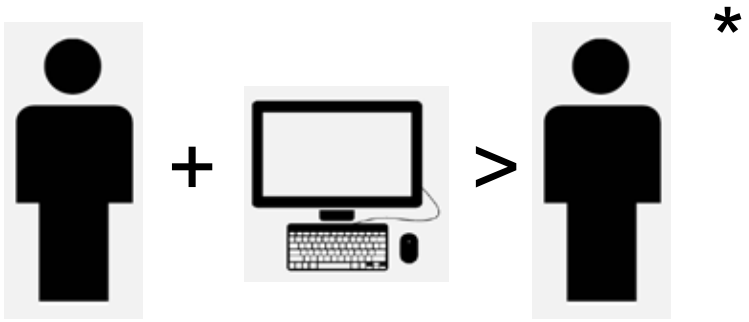


Image: 'the professor is six minutes late'
http://www.flickr.com/photos/55779593@N00/127023370

Rigorous Learning with Technology

(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

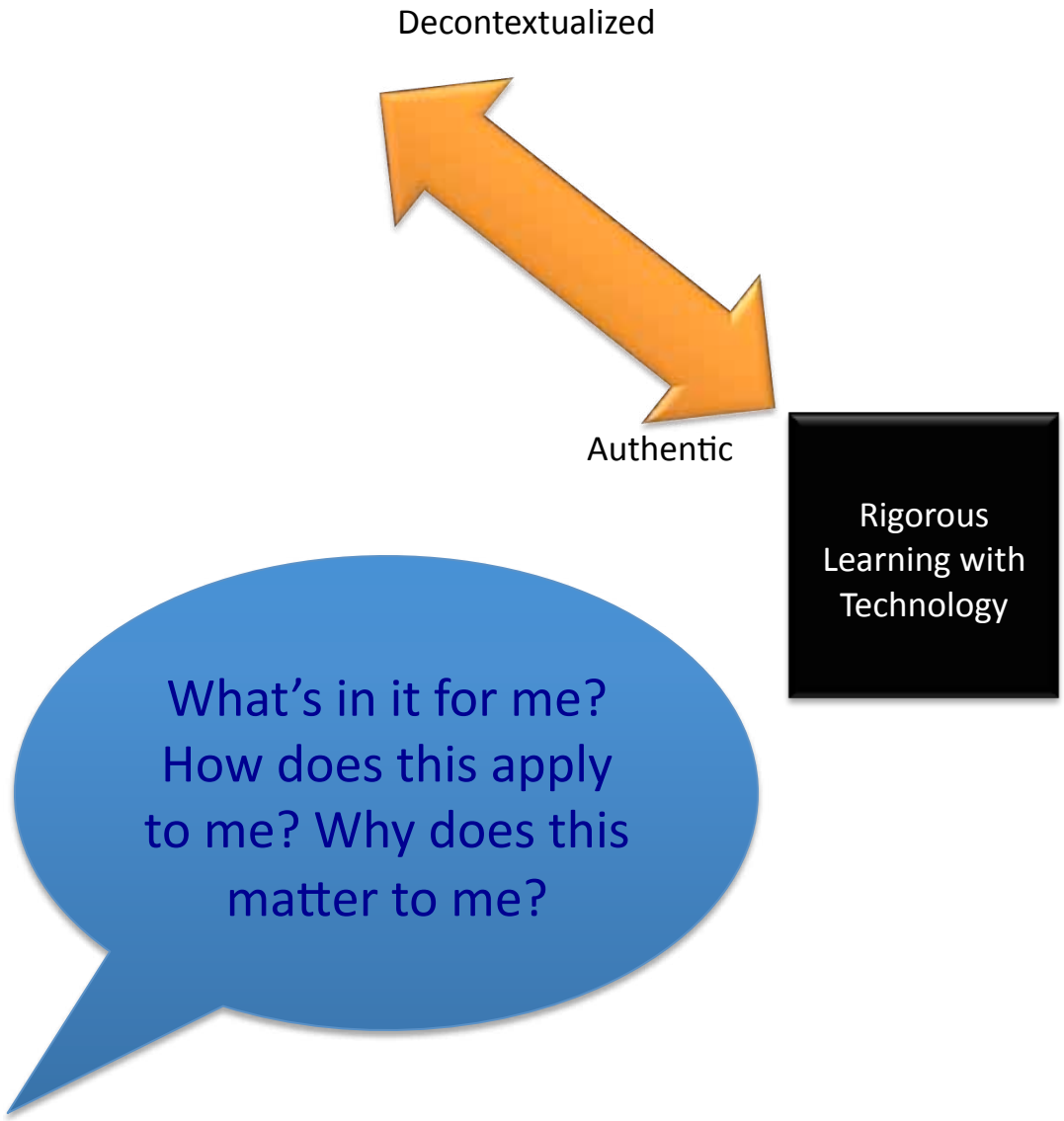


Rigorous Learning with Technology

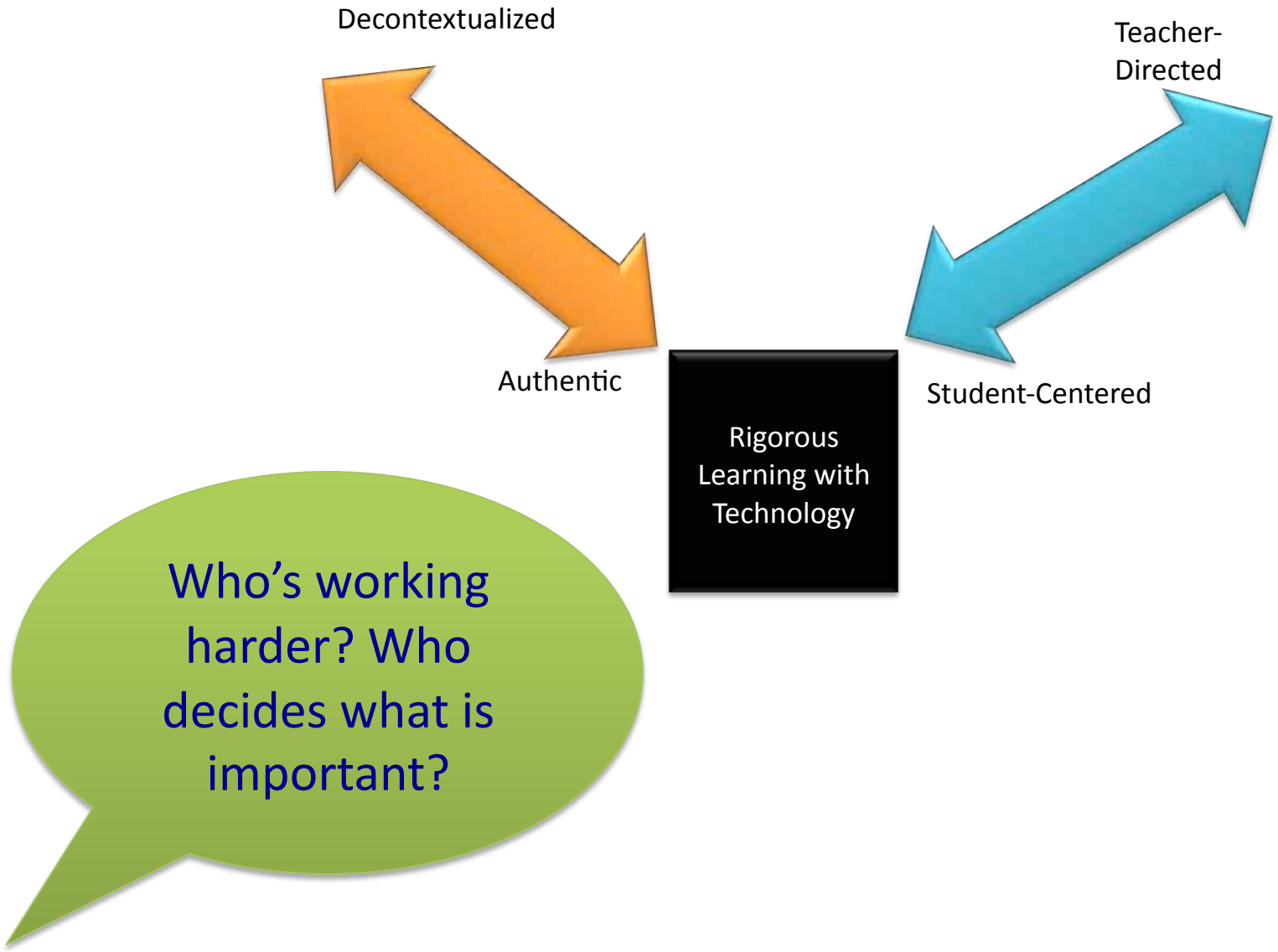
* Charles Friedman, definition of Informatics

"Man" by Michael McMillan and "Computer" by Alyssa Mahlberg from thenounproject.com collection.
Used under a Creative Commons CC-BY 3.0 license.

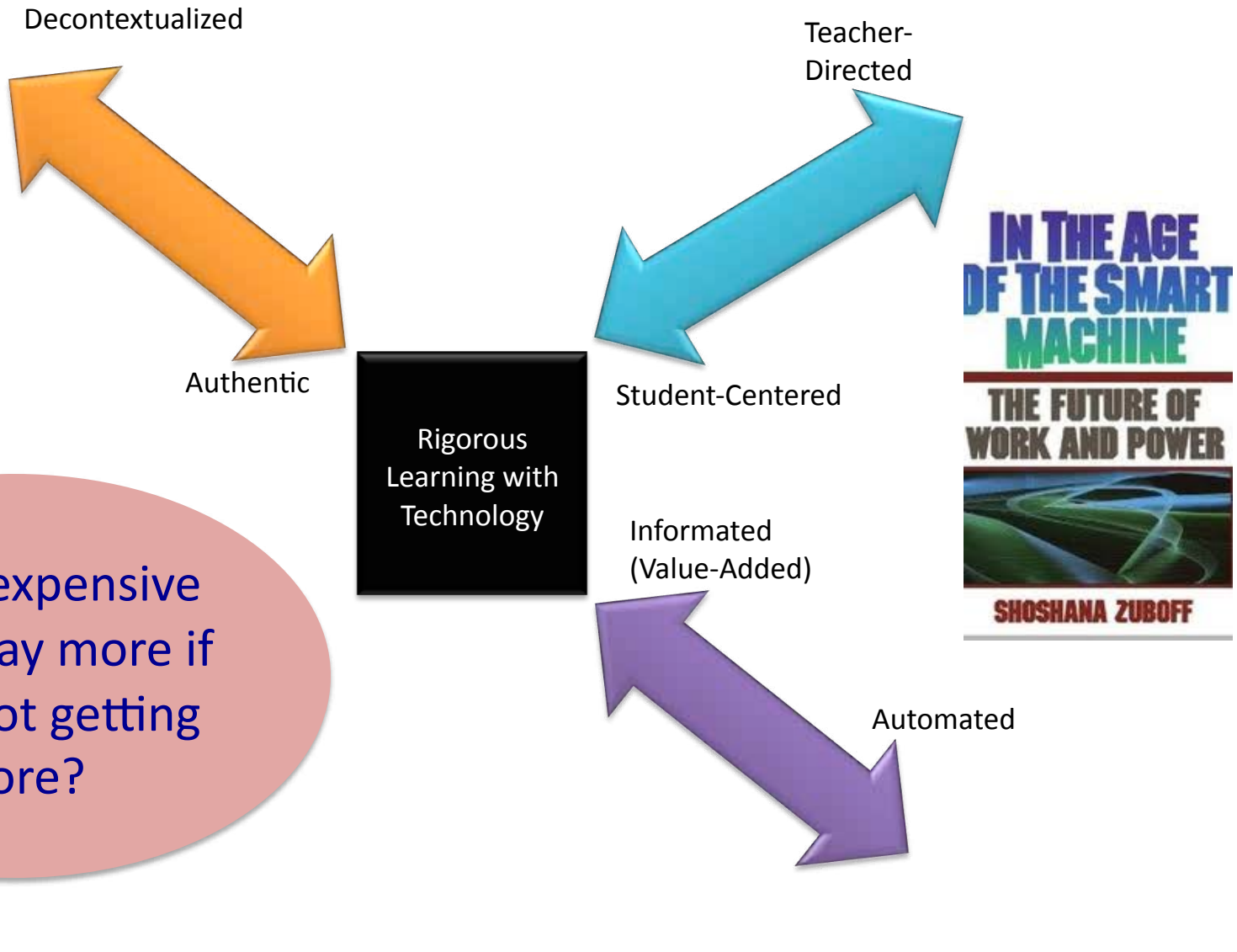
(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



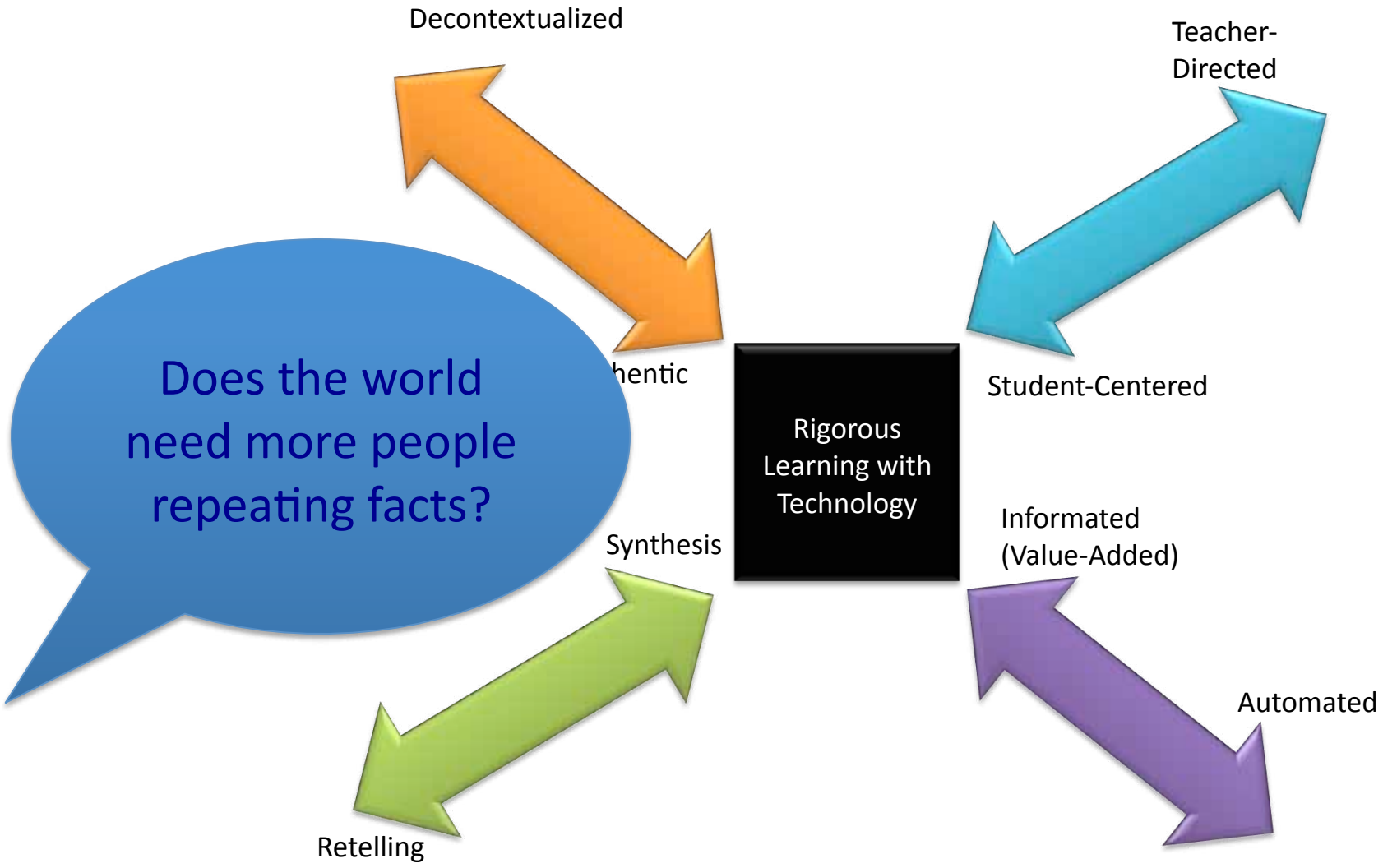
(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



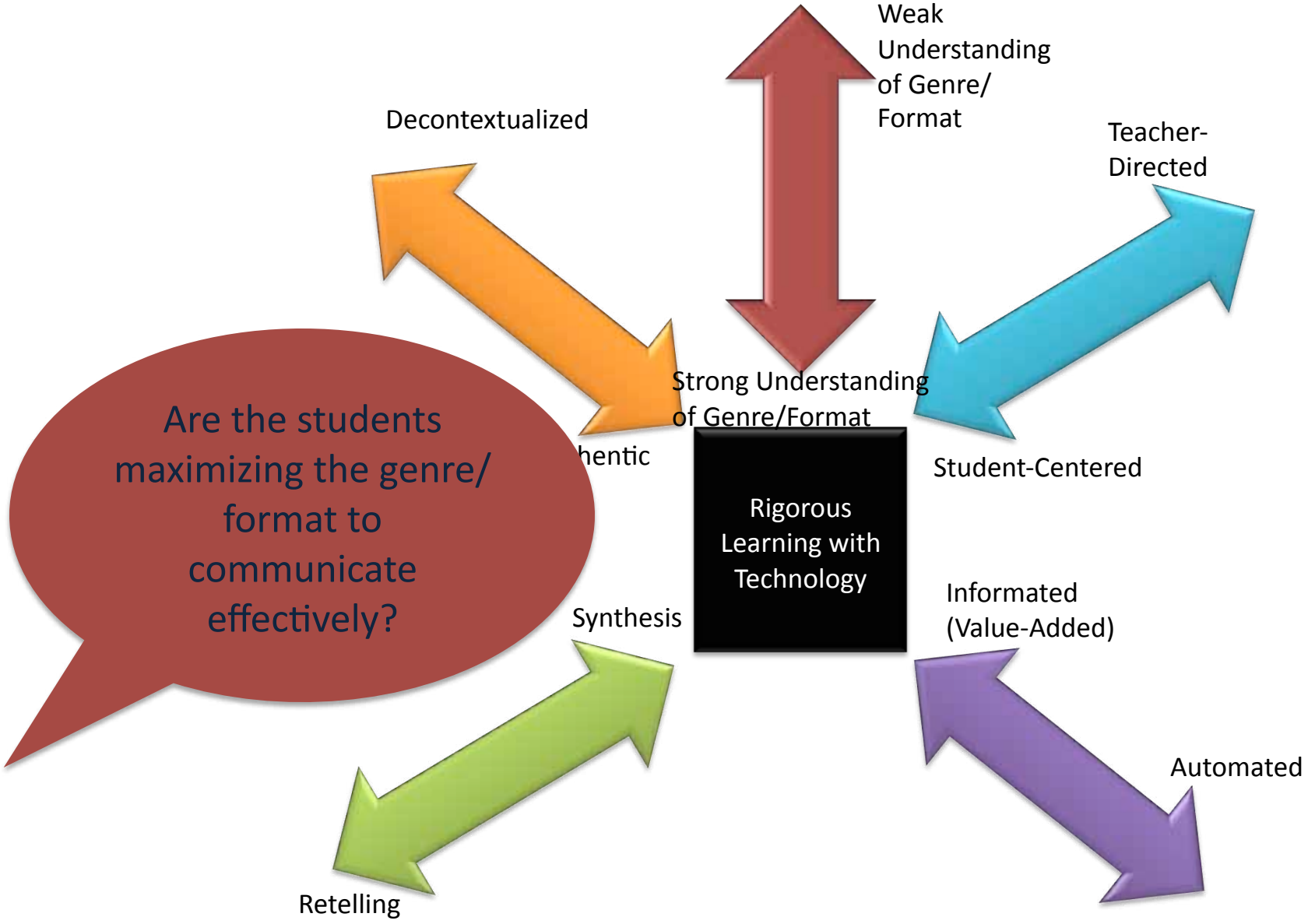
(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



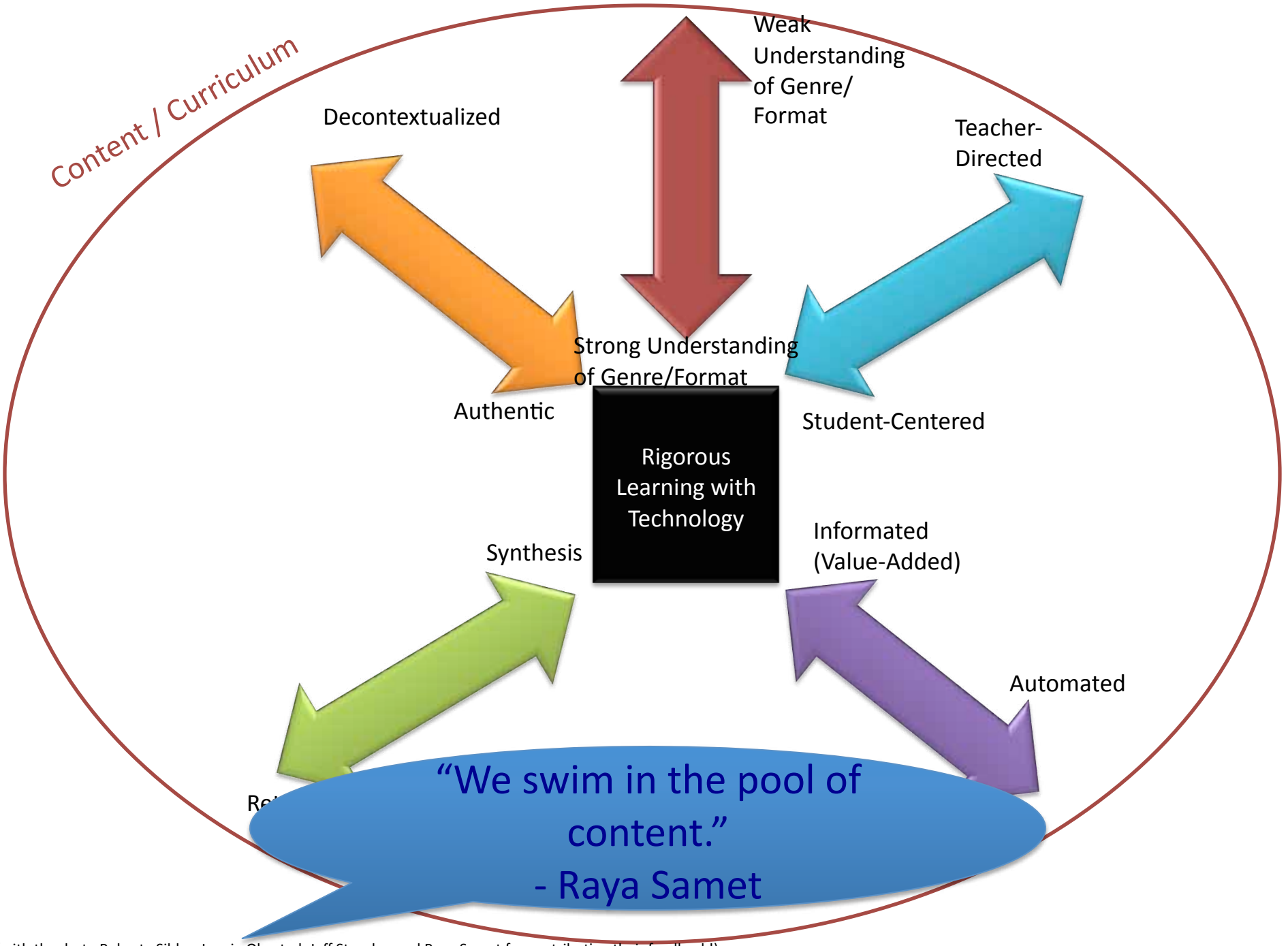
(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)



(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

The Silent Partners

Creativity
Motivation
Enthusiasm
Engagement
"Hands on keyboards"

Image: 'Talk Shows On Mute'
http://www.flickr.com/photos/44538772@N00/67865829

Testing Our Lens:

Student Work Samples

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

Social
Studies
http://bit.ly/
youtube-
pearlharbor

Pearl Harbor

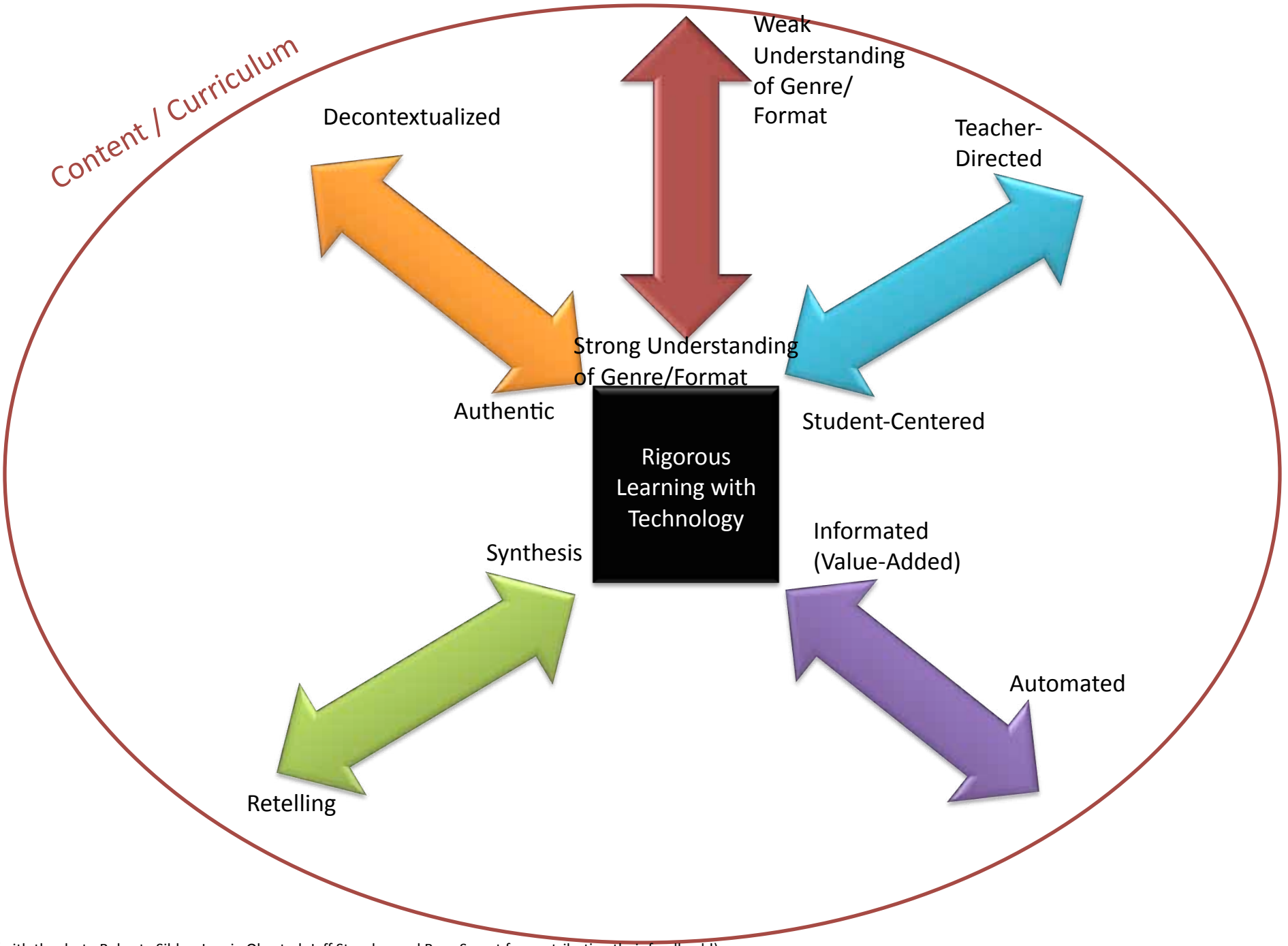
http://bit.ly/youtube-pearlharbor

“This was a school project for a social studies class. Its our re-enactment of Pearl Harbor.”

Facts About Spain

http://bit.ly/spainfacts

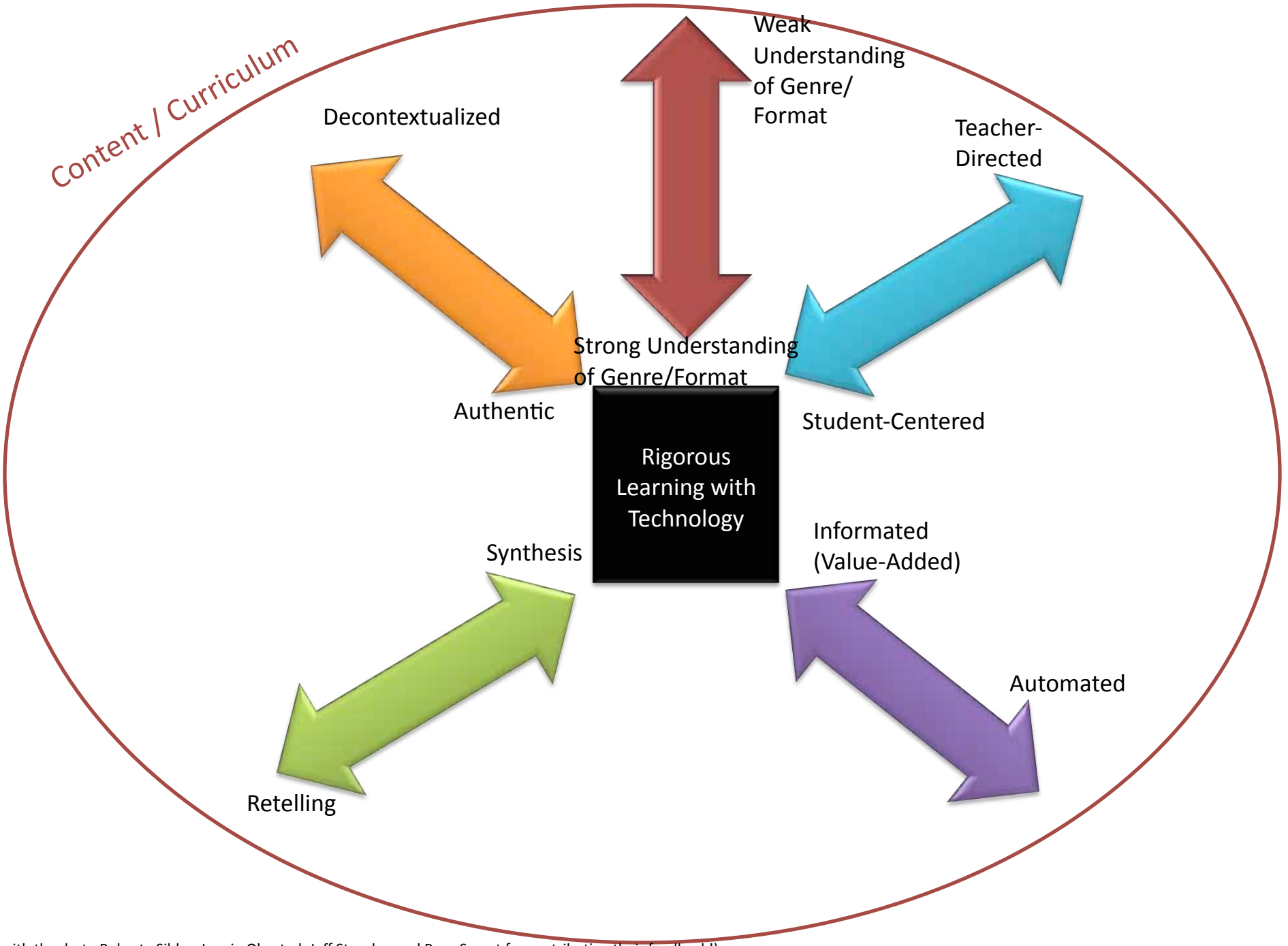
http://bit.ly/spainfacts



(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

Reflective Blogging

Fred's students are required to blog weekly for fifth grade social studies. They summarize what they have learned and then are asked to think about how what they are learning relates to their lives today. They are also required to comment productively on each others' blogs.

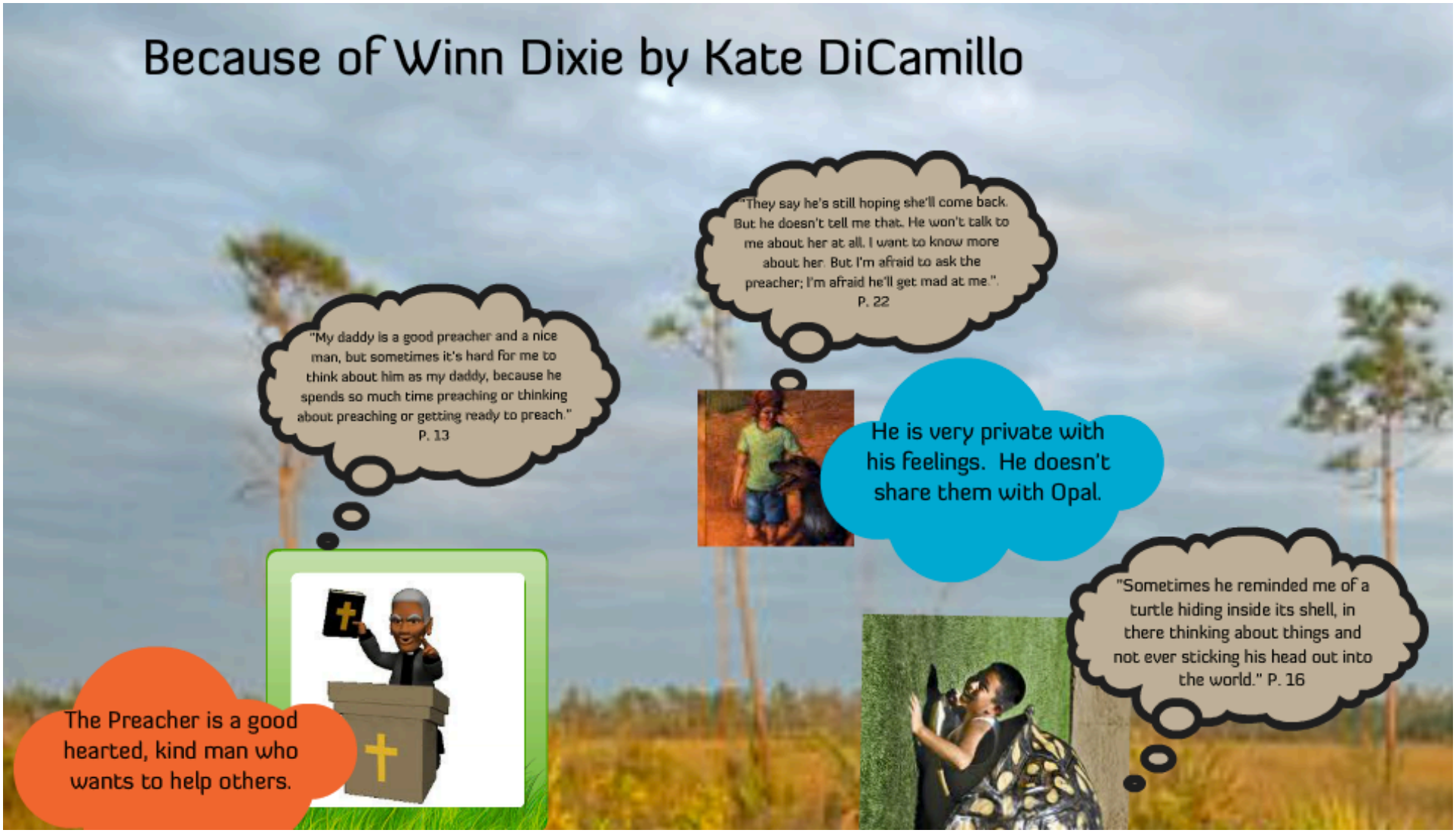


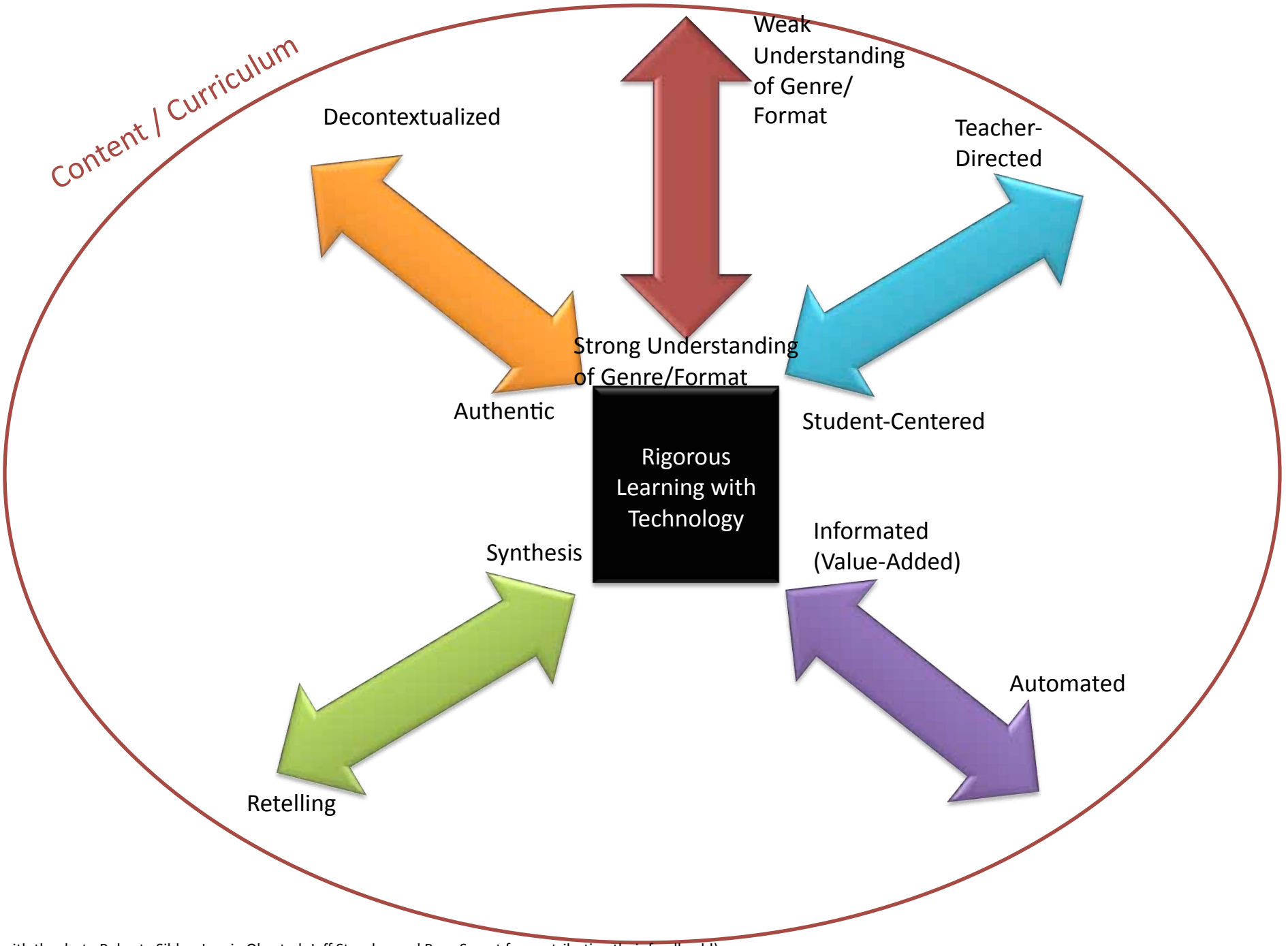
(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

Glogster

http://bit.ly/
winndixieglog

http://bit.ly/winndixieglog





(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

Social Studies

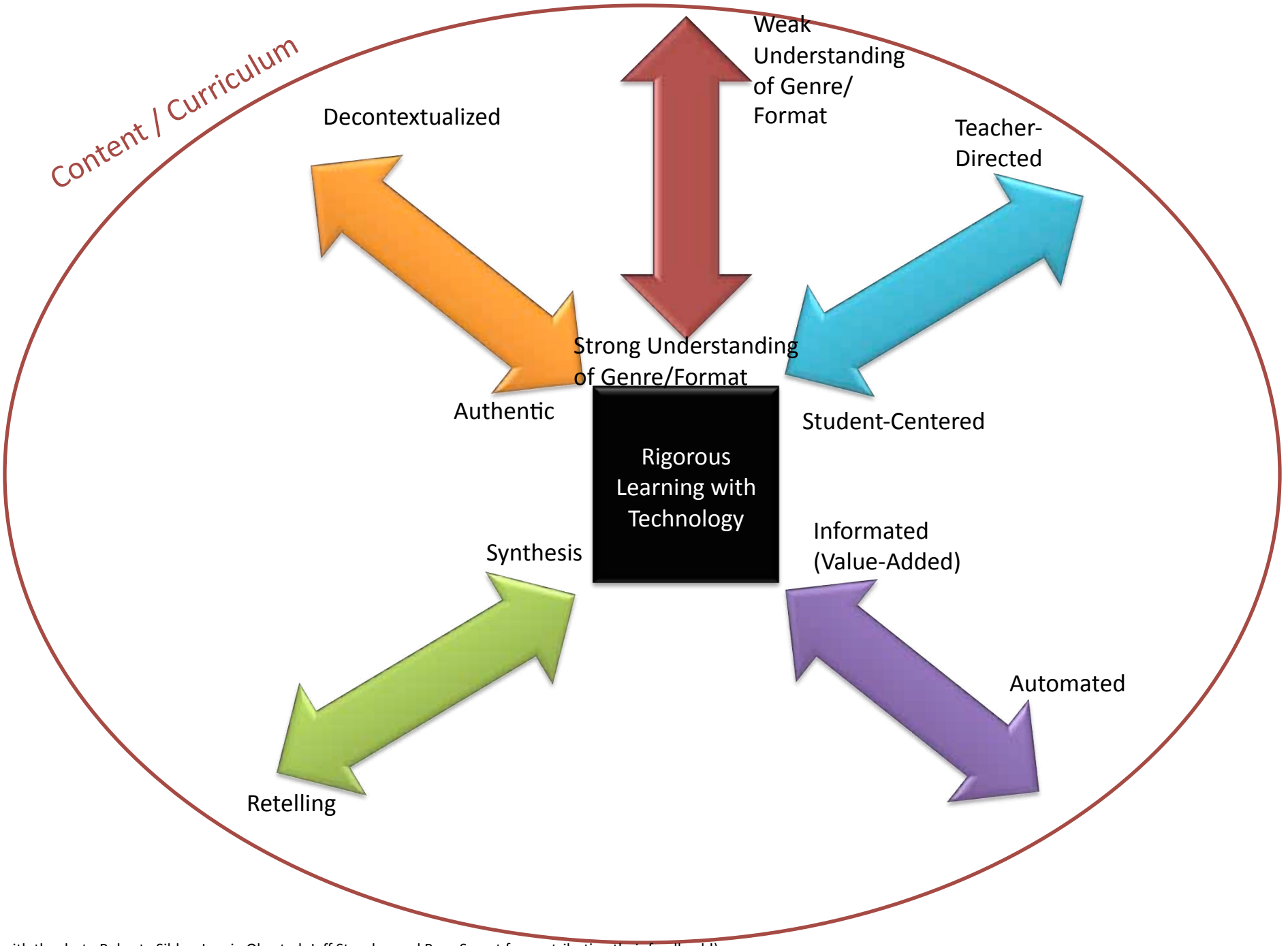
http://bit.ly/youtube-pearlharbor

Pearl Harbor

http://bit.ly/youtube-pearlharbor

click to play

“This was a school project for a social studies class. Its our re-enactment of Pearl Harbor.”

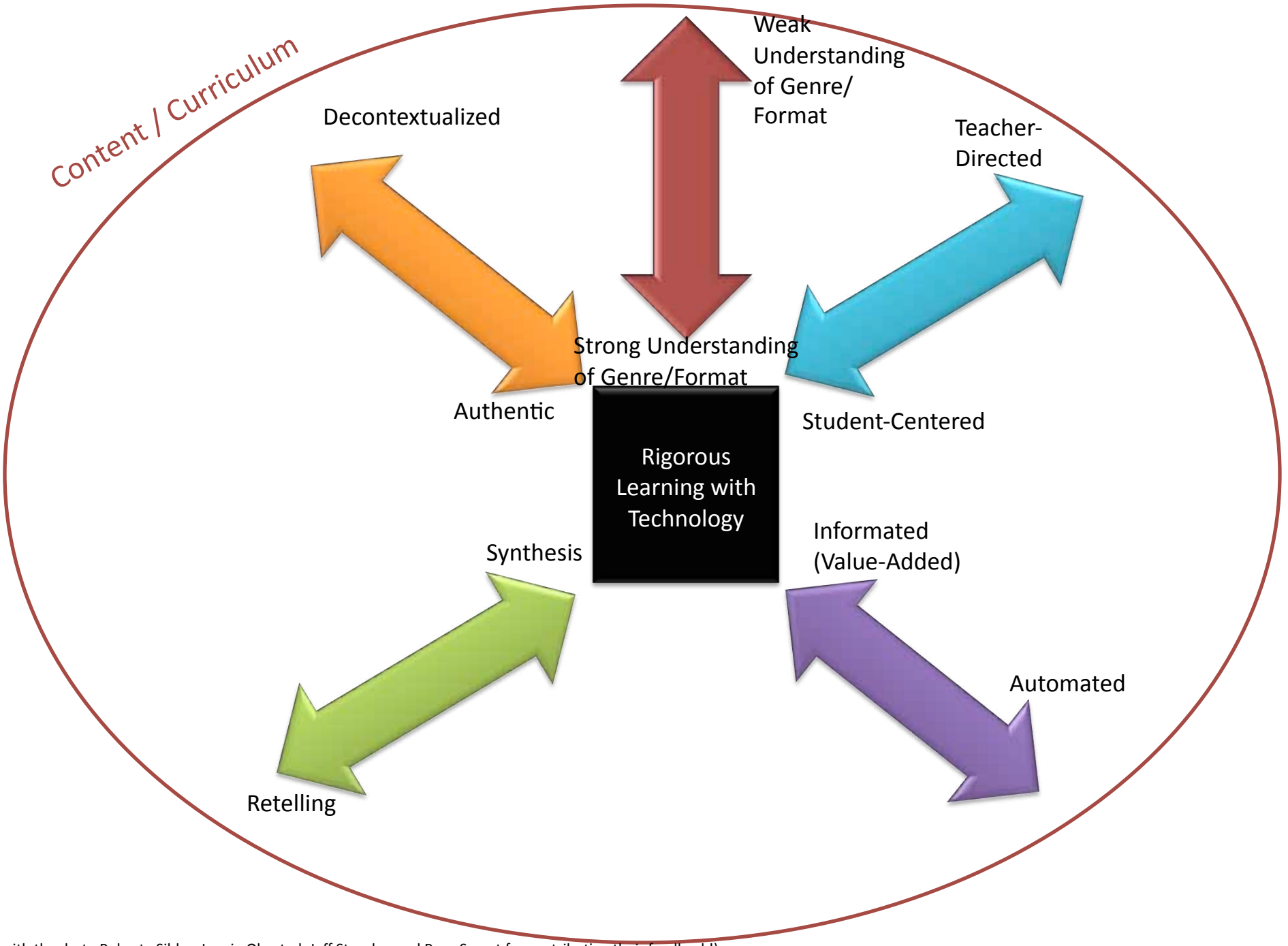


(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

http://bit.ly/
lizziebennet1

http://bit.ly/lizziebennet1

(click to play)



(with thanks to Roberta Sibley, Laurie Olmsted, Jeff Stanzler, and Raya Samet for contributing their feedback!)

PIZZA
PAPA JOHN'S
®
Better Ingredients.
Better Pi
LEARNING.

Questions?

font@umich.edu

@activelearning

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