Strategies for Personal Learning

Stephen Downes

April 25, 2016

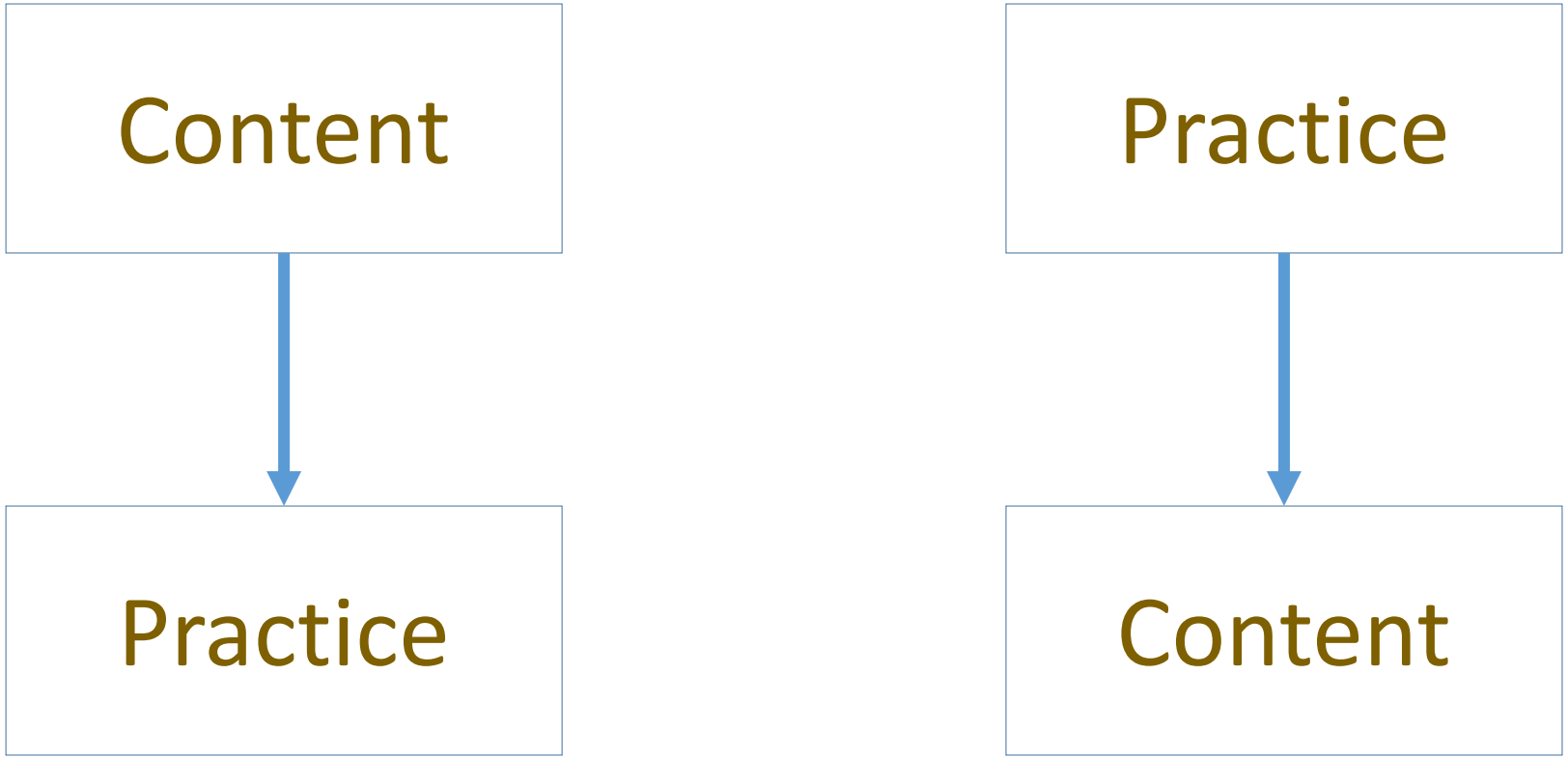
Personalization?

What is a personalized 21st century education

- personalized education plan (developed by teacher)
- adaptive learning via assessment
- grouping by proficiency, not age
- teacher = director of learning
- cf Kettering Foundation, Individually Guided Education

Personalizing 21st Century Education: A Framework for Student Success
Dan Domenech, Morton Sherman, John L. Brown
Jossey-Bass, a Wiley Brand. 2016

2. Two Approaches…



Two Approaches…

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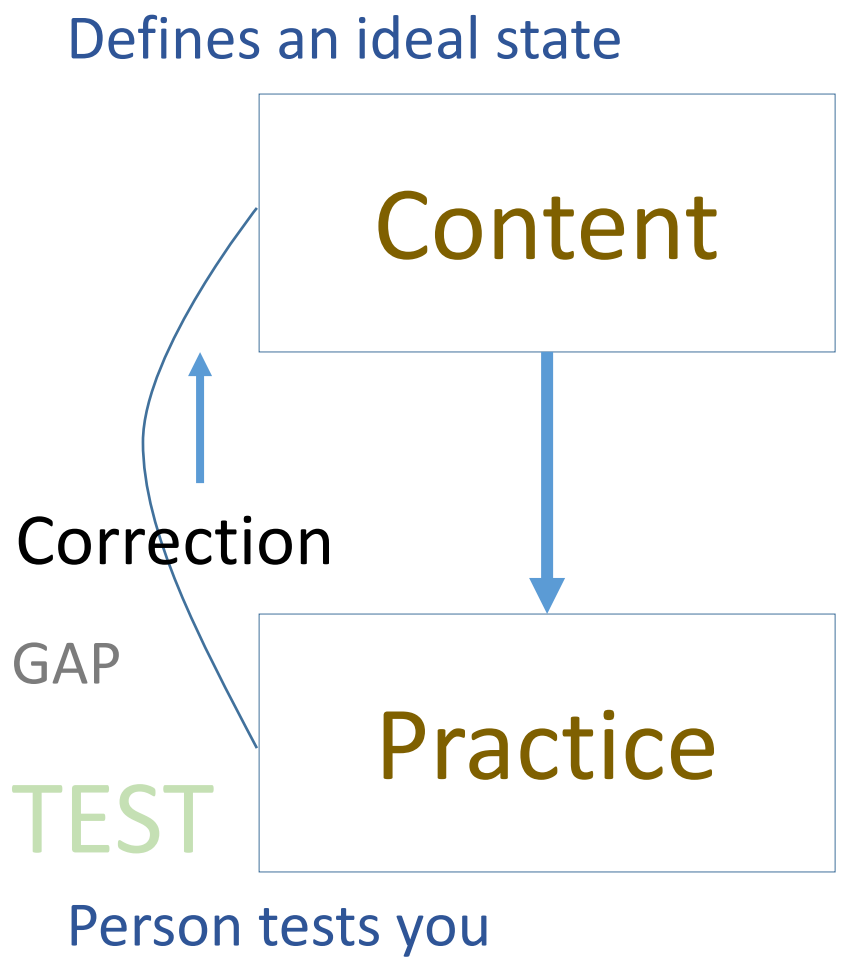
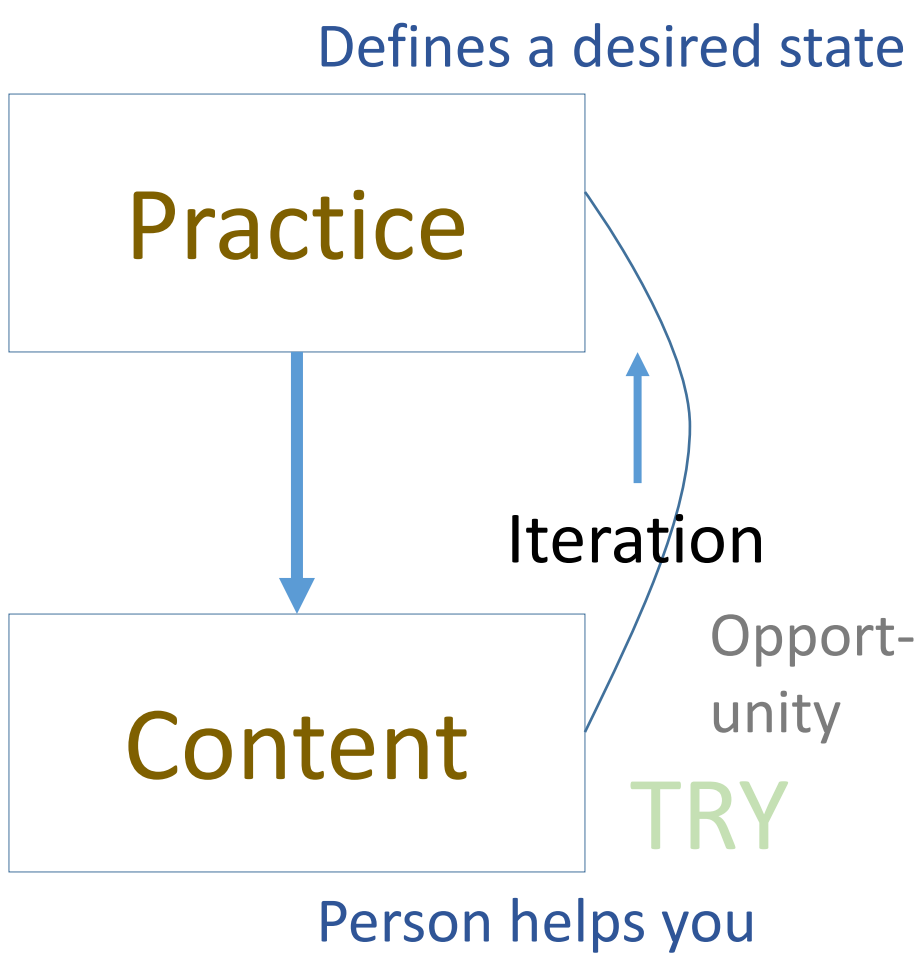
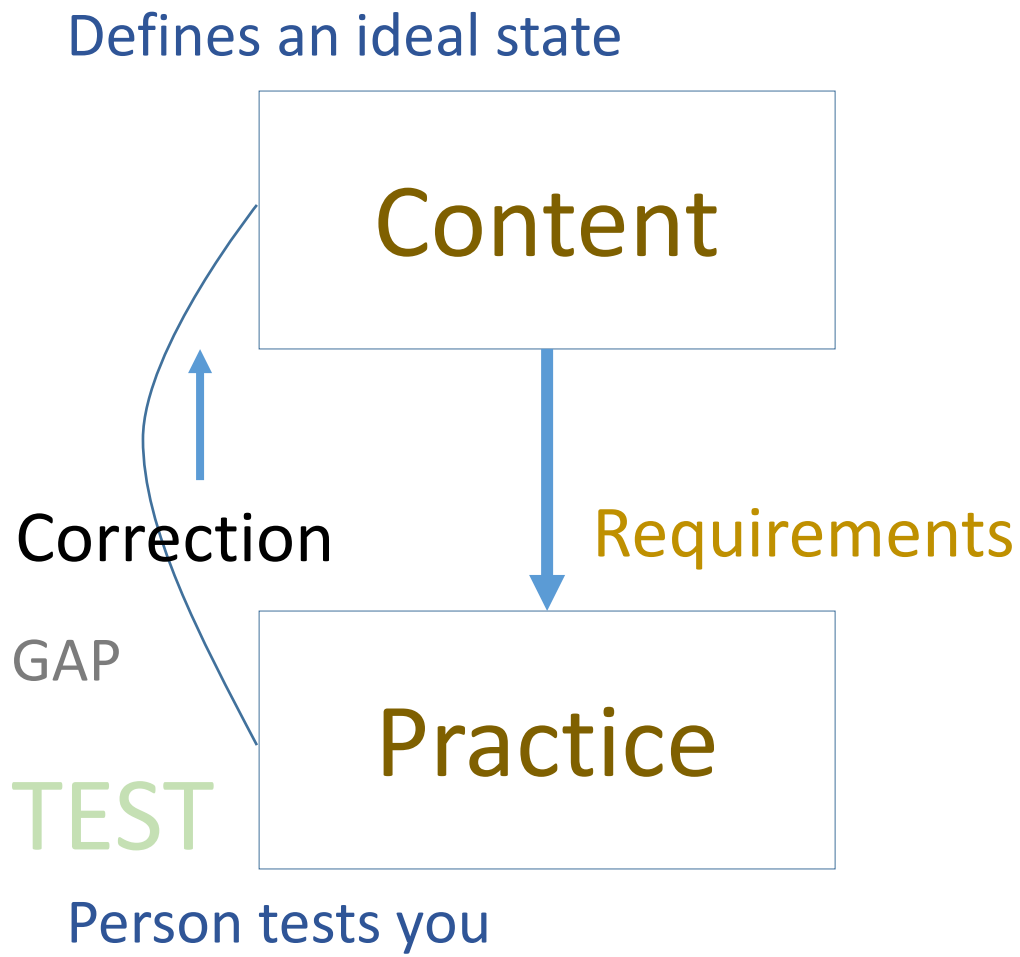
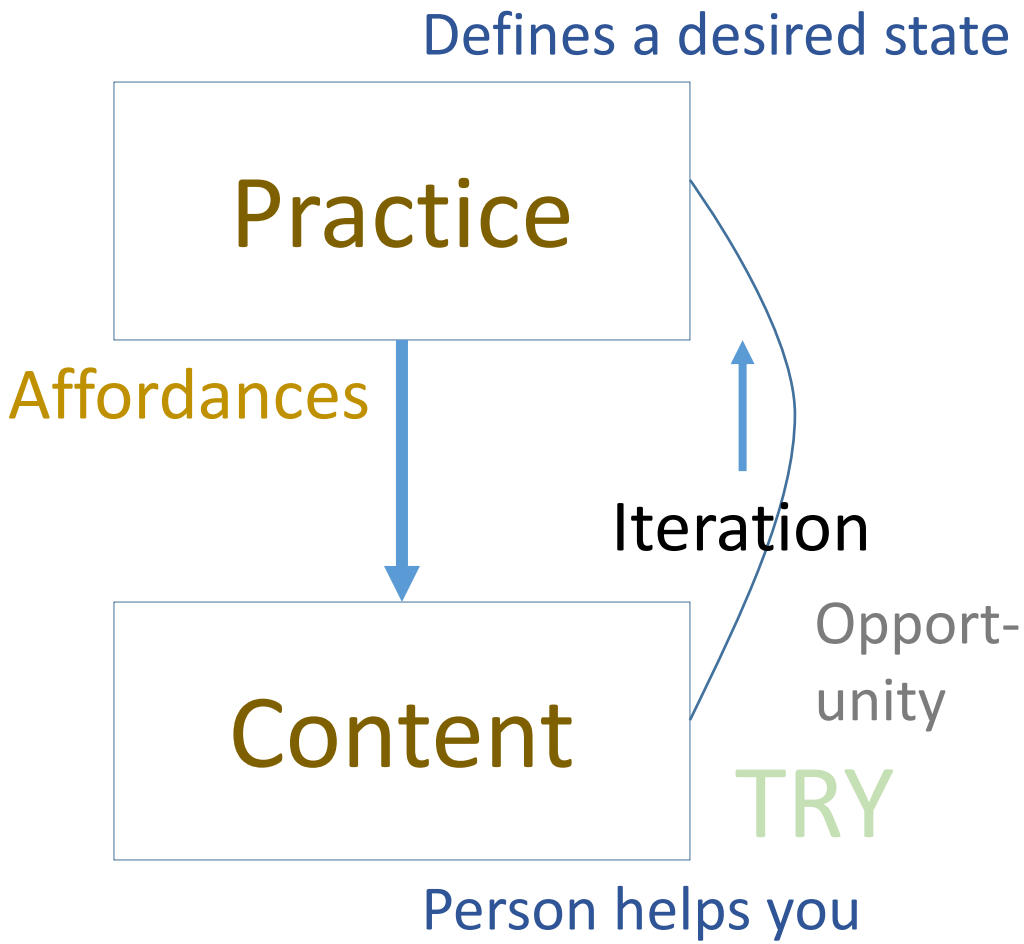




Library

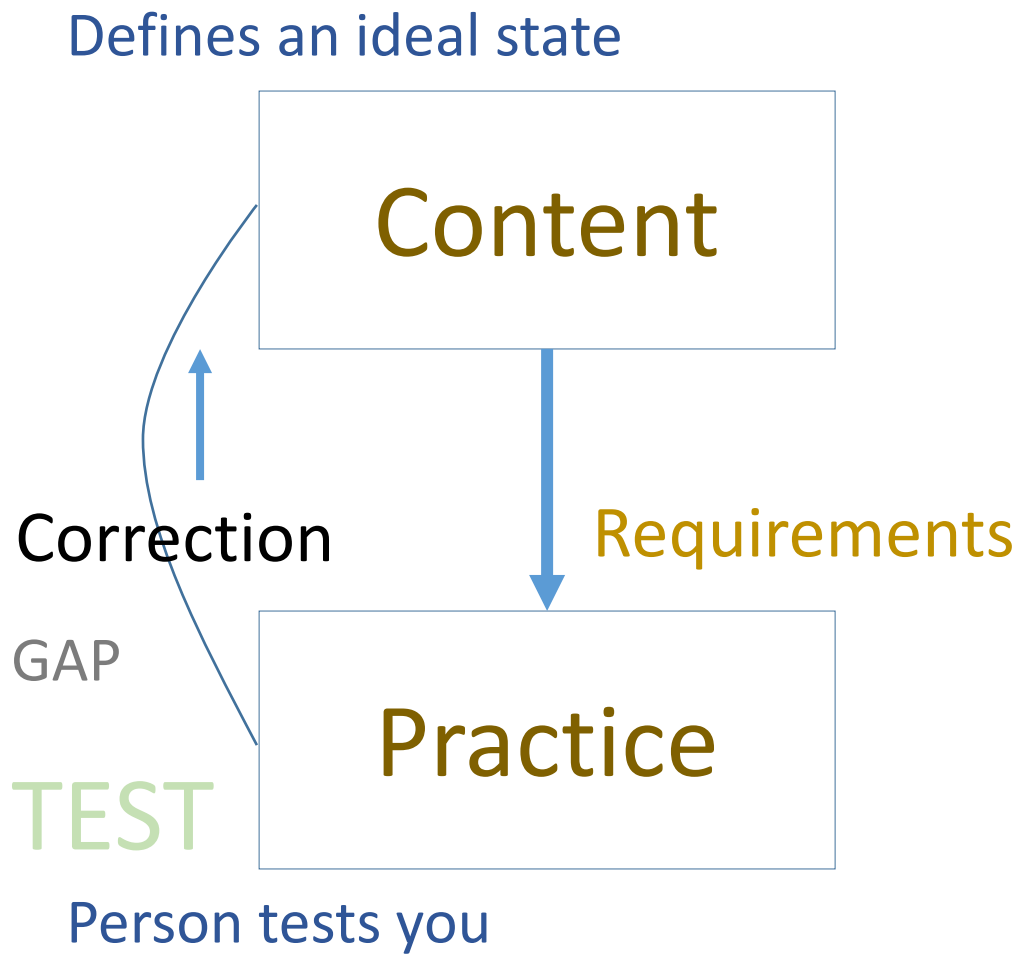


Environment



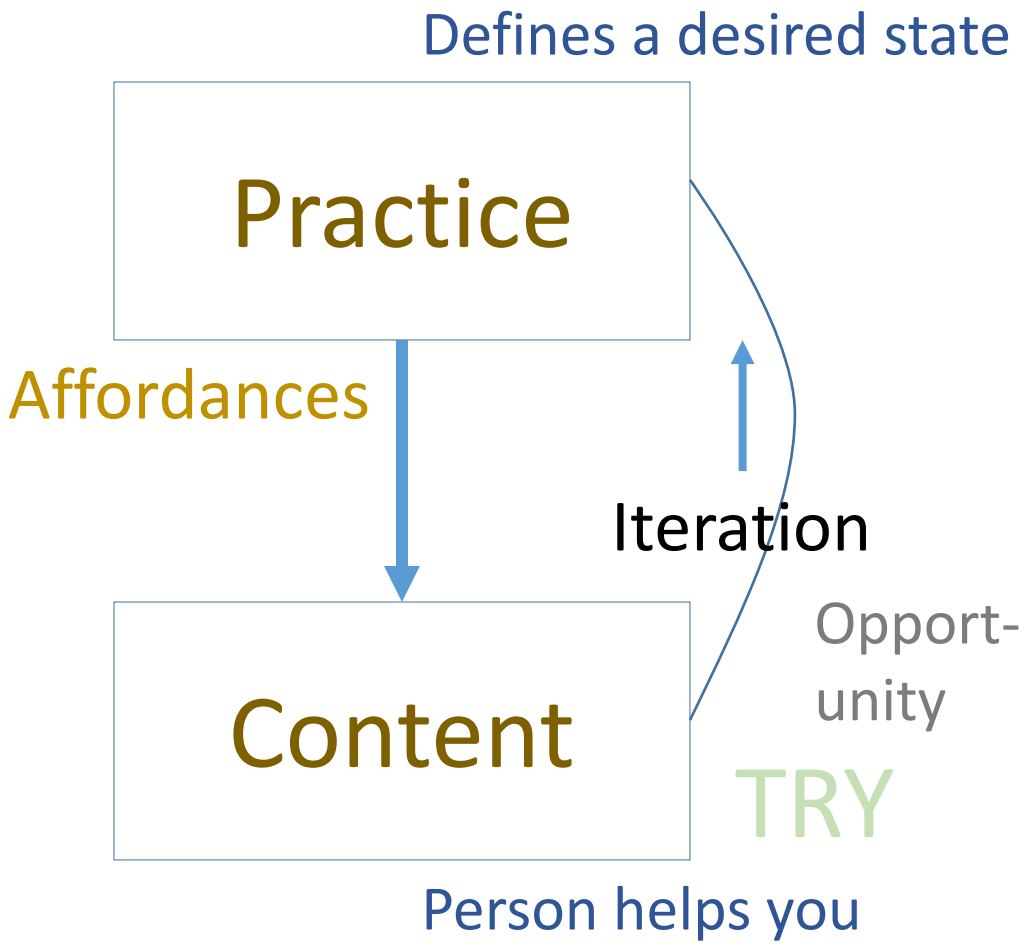
Personalized

We do for you



Personal

You do for yourself

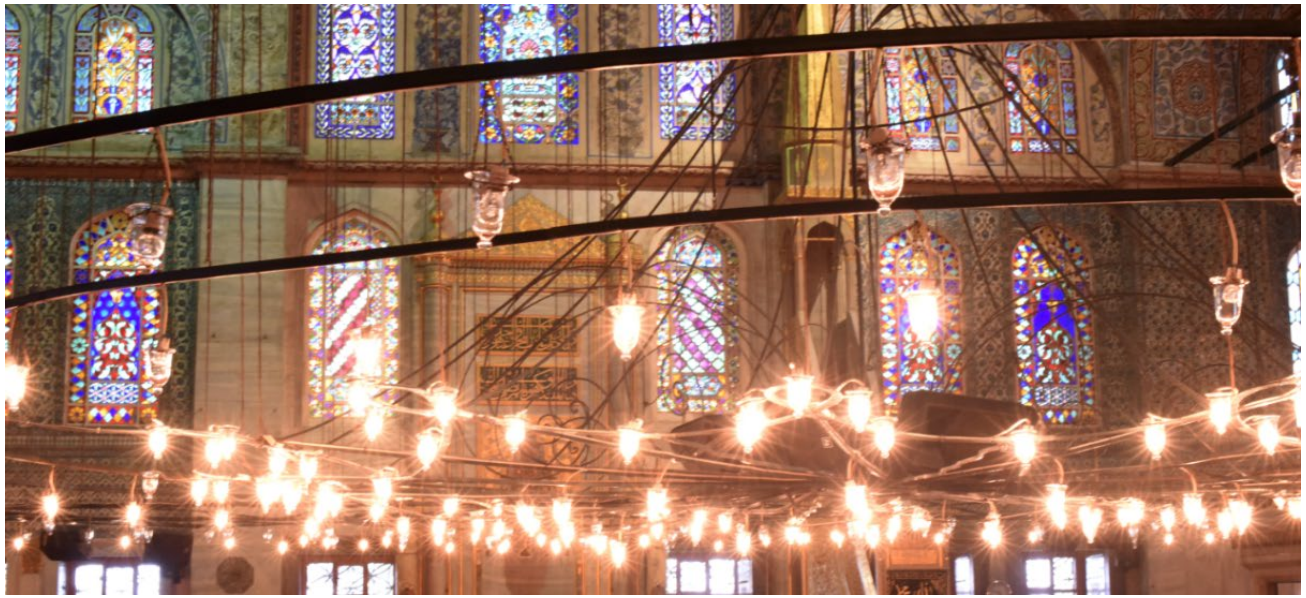


Personal vs. Personalized

- Compare between:
  - Personalized health care (something the National Health Service or Health Management Organization provides)
  - Personal health care (something you do for yourself)
- Personal goals versus institutional goals
- Practice versus content

The Inflexible Law of Learning

It's when we do stuff that we learn, not when stuff does something for us.



The New Model of Work and Learning

- Sharing - create linked documents, data, and objects within a distributed network
- Contributing - employ social networking applications of the Web to facilitate group communication
- Co-creating - work through networks that facilitate cooperative group work toward common goals

(Dutton, p. 12)

Sharing

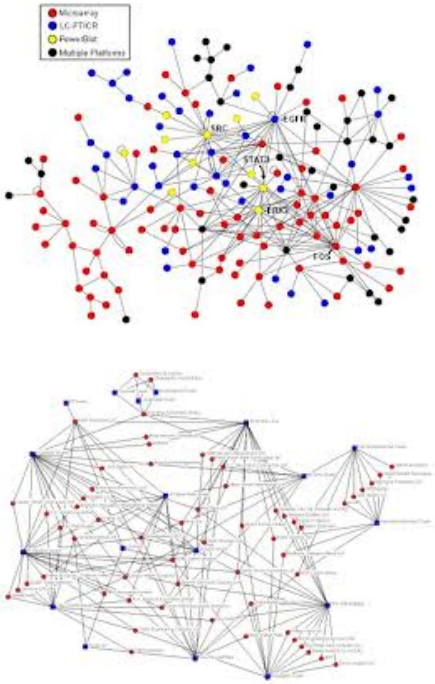
xLearning vs cLearning

contents ⟷ engagement ⟷ networks

COMMON CORE
STATE STANDARDS INITIATIVE
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

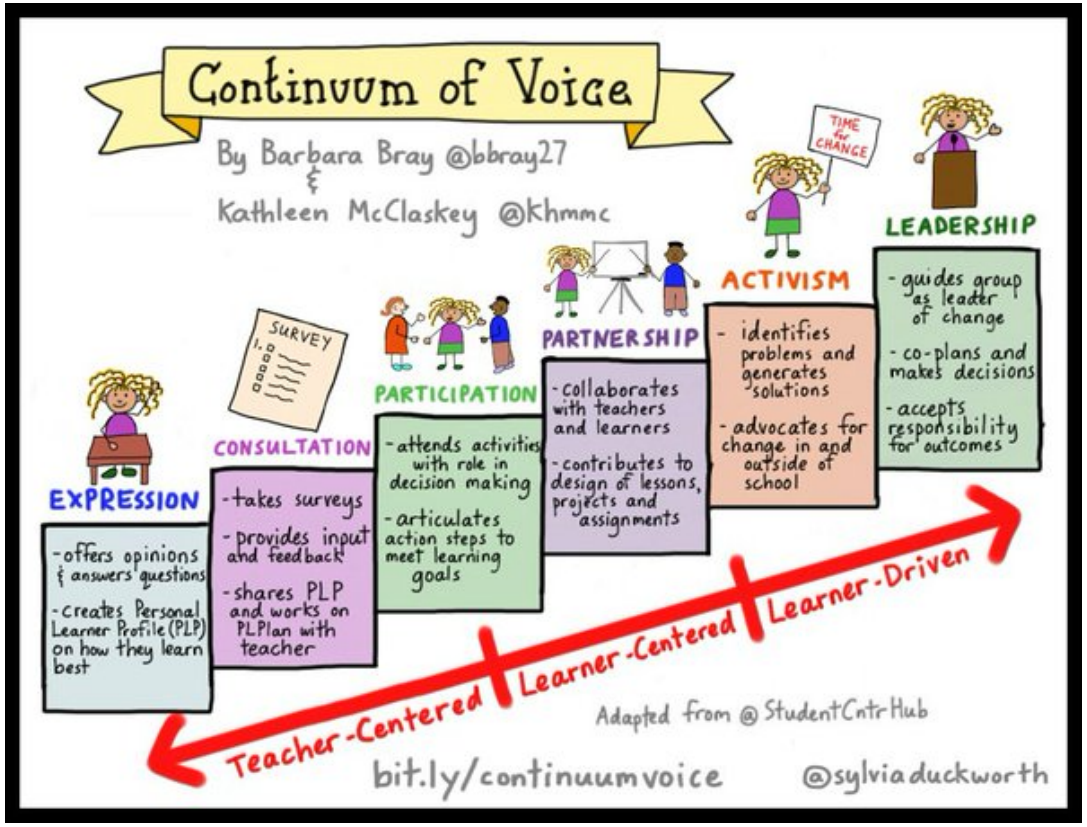
http://www.corestandards.org/

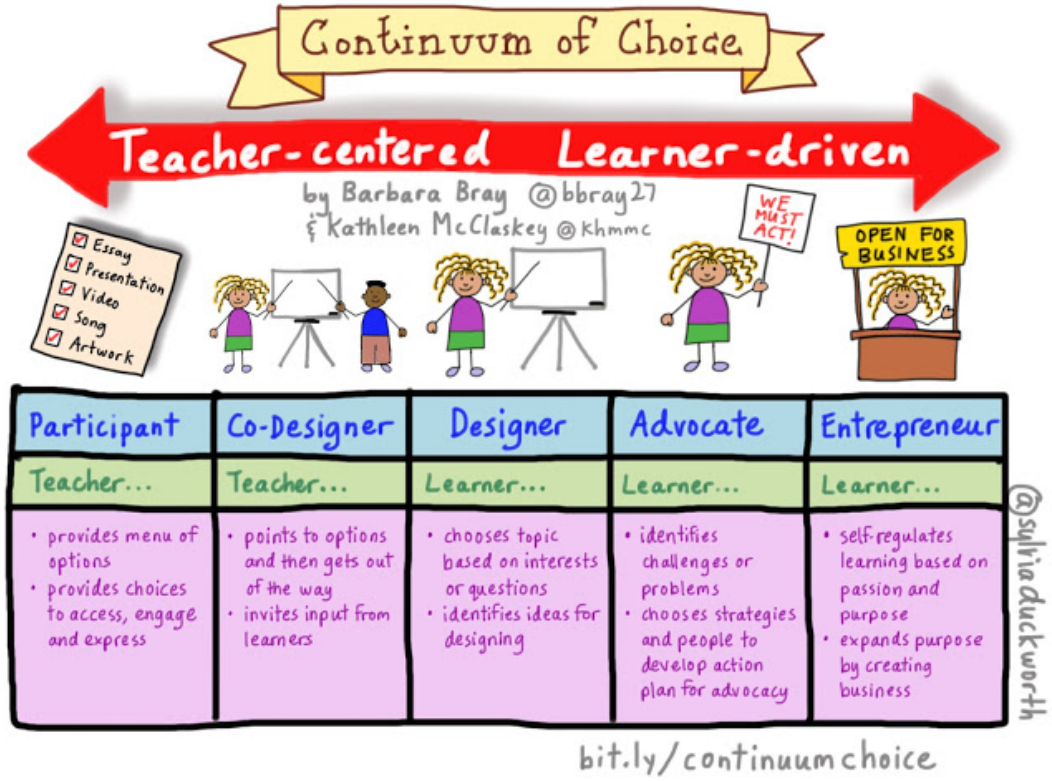
http://www.magnet.edu/



http://lisahistory.net/wordpress/2012/08/three-kinds-of-moocs/

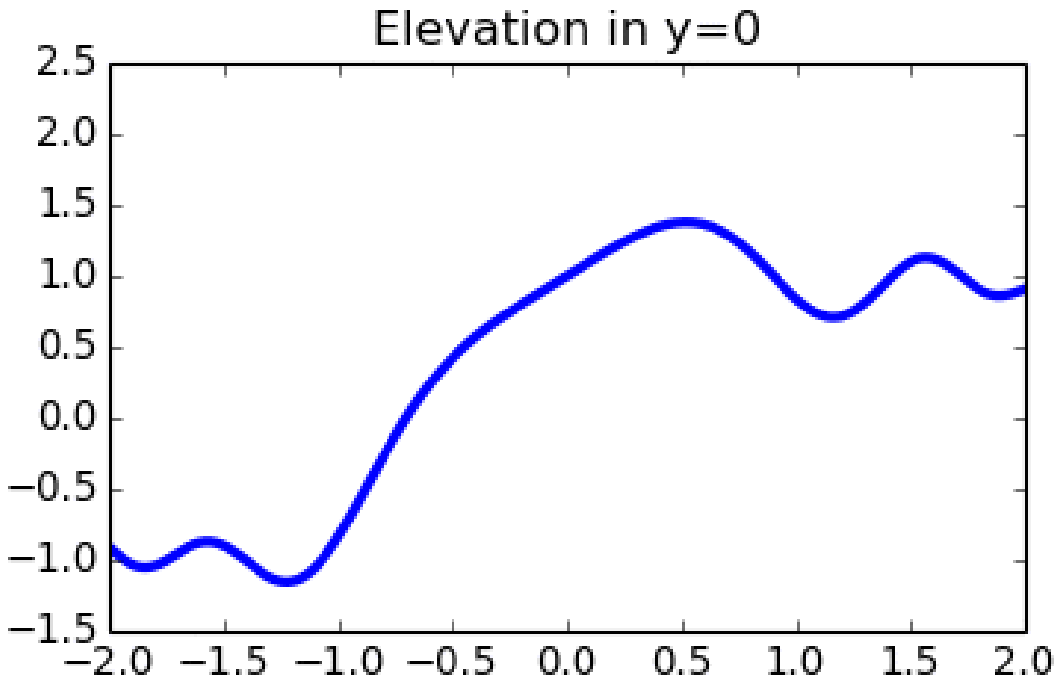
Voice and Choice

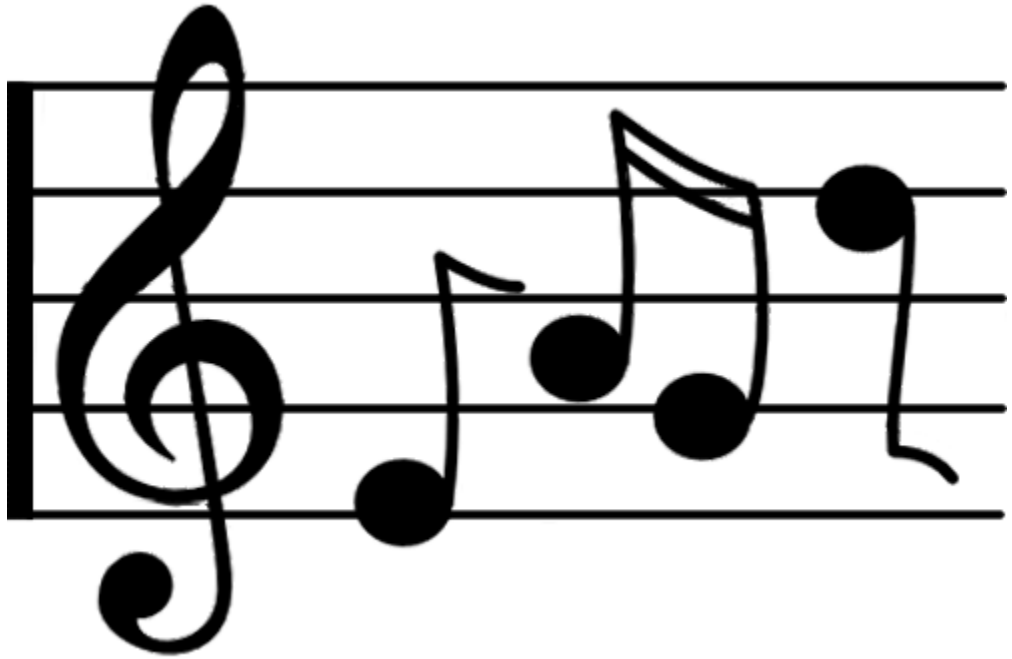




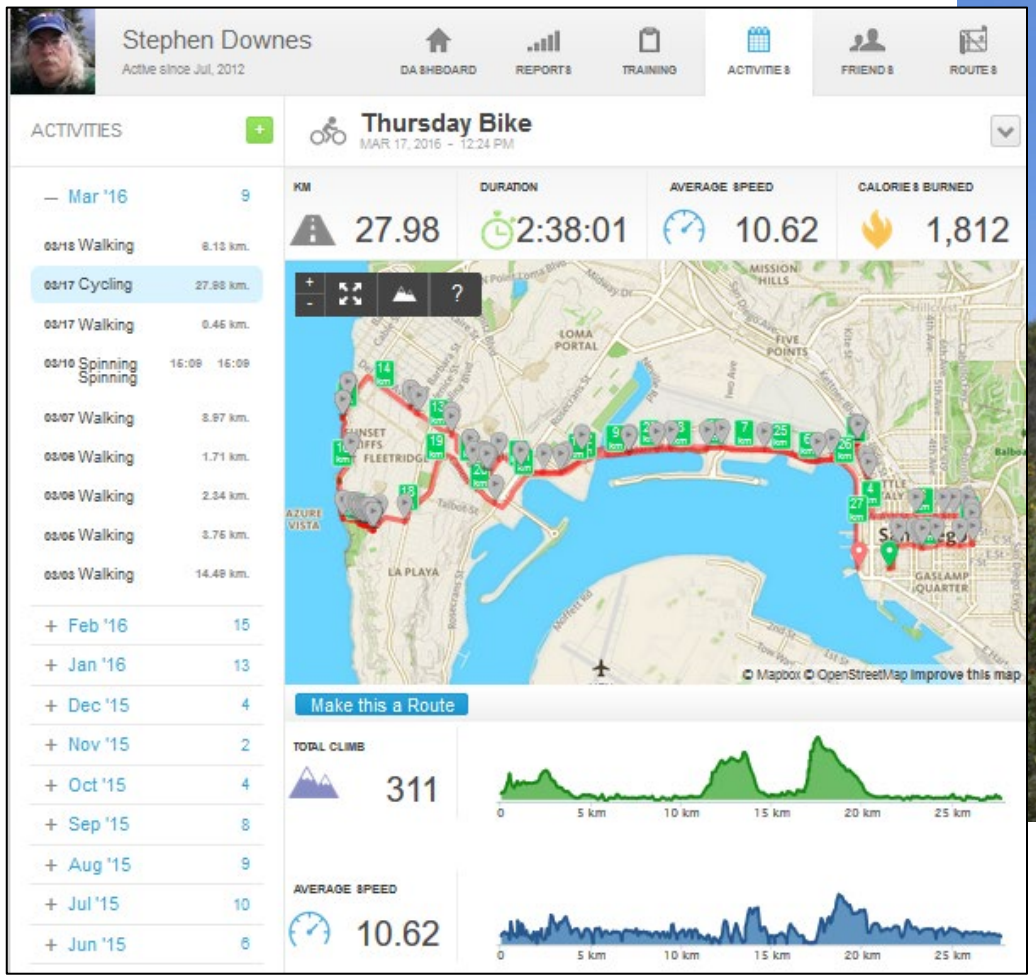
Barbara Bray and Kathleen McClaskey
Shared by Denisha Read

3. Learning Through Practice

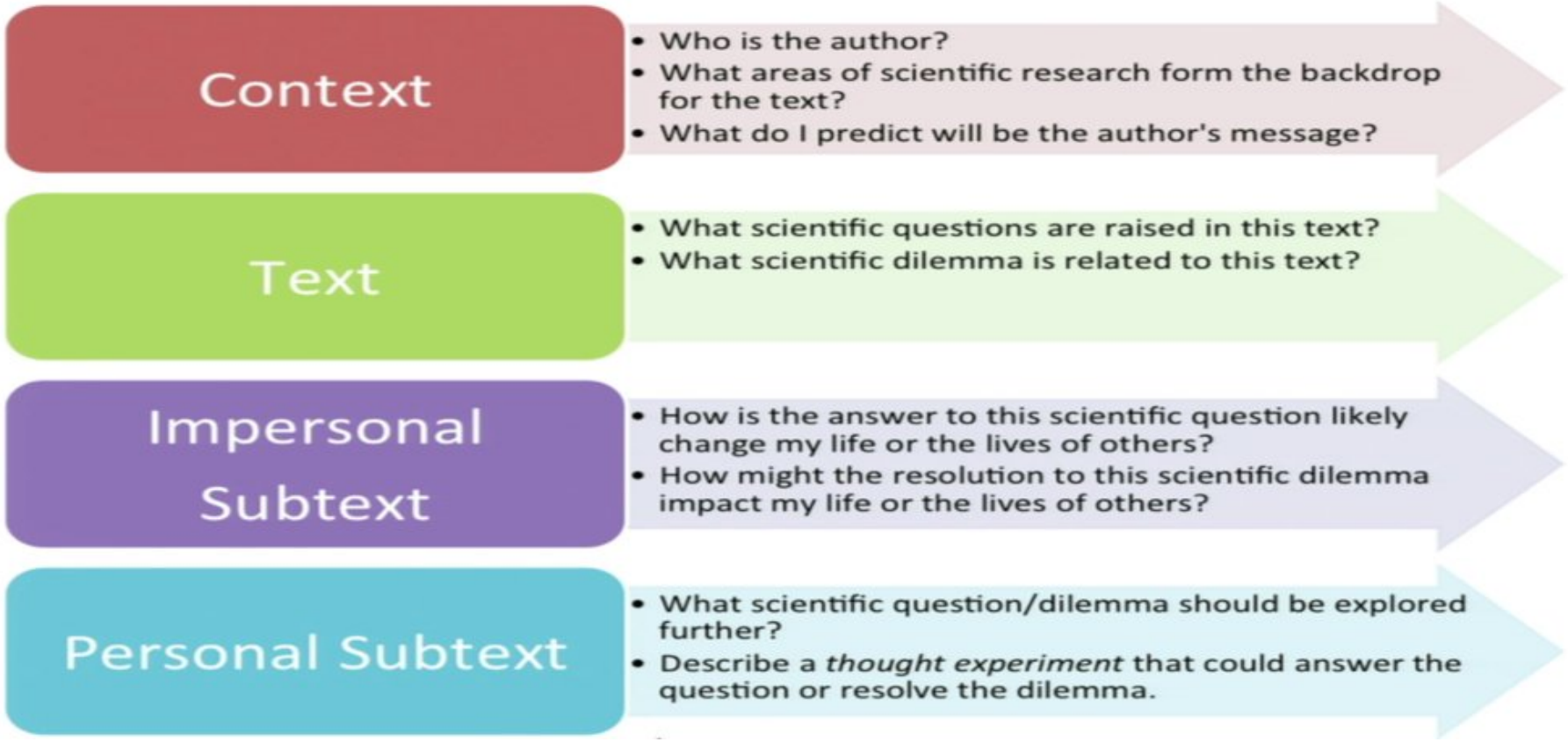




Exploring, not Following



Reading Like a Scientist



Cf Cindy Moss.

Contributing

Learning Communities - the cMOOC

Aggregation

Each person creates their own perspective on the material by selecting what seems important to them.

Image: http://melindarsmith.com/most-merciless-muse

Remixing

What we are encouraging here especially is a mixing of diverse cultures.

Image: http://alodj.com/viet-remix-hay-khoc-di-em-remix-2013-s195.html

Adaptation

Learning is not simply a process of reception and filtering.

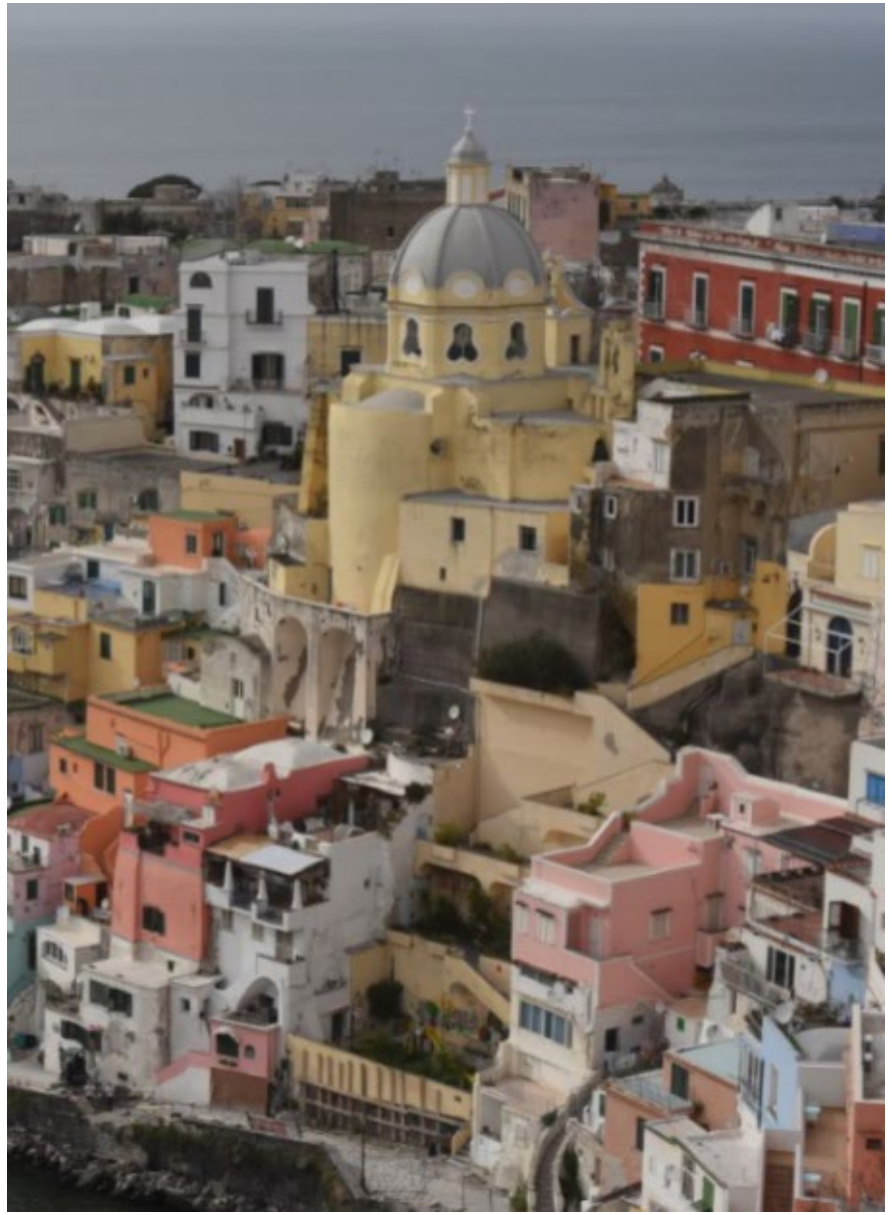
Image: http://lifeinauthoring.tumblr.com/post/50495928196/why-does-my-editor-joke-about-on-twitter-with-his-other

Feeding Forward

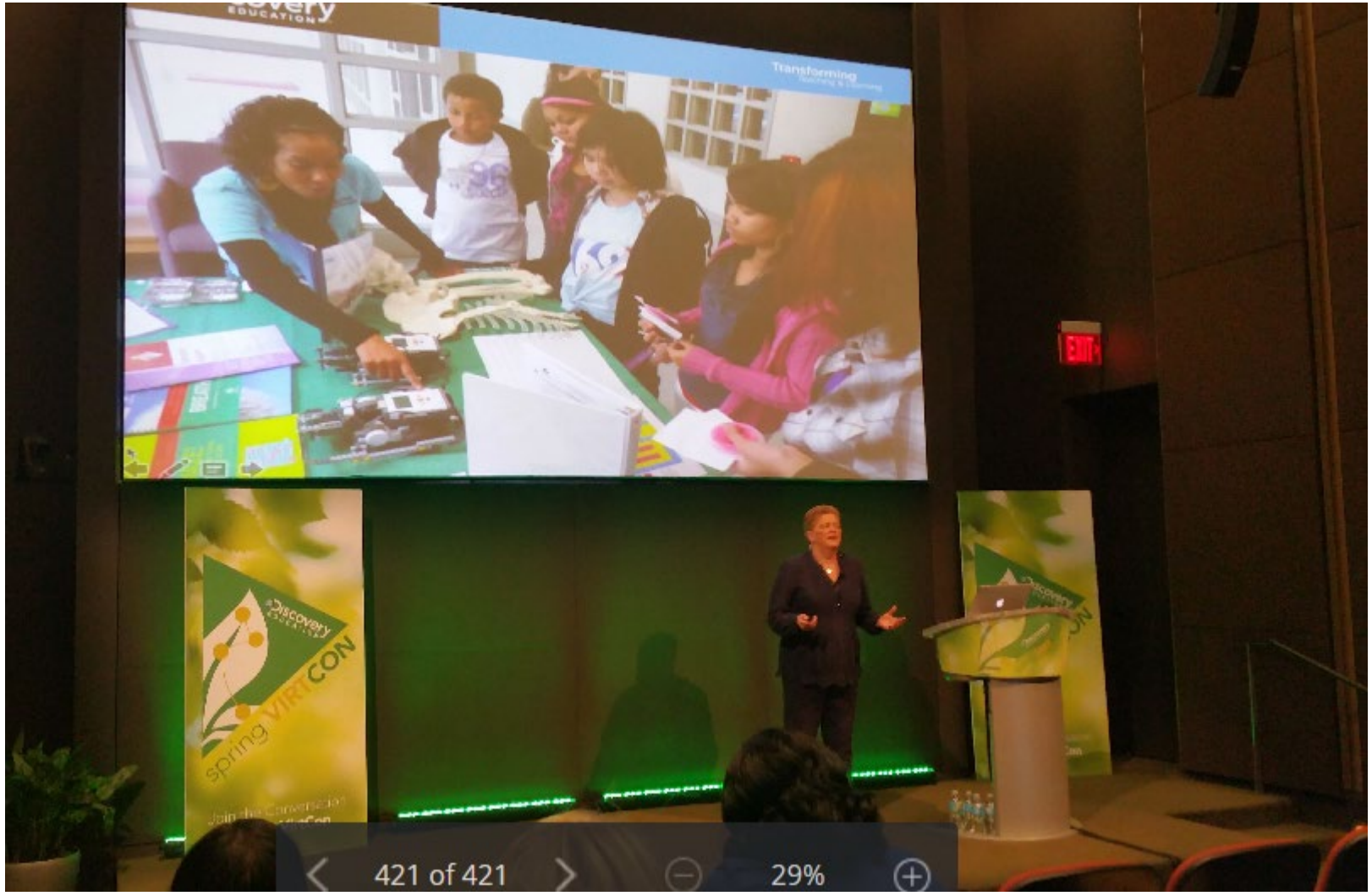
Sharing in public is harder.
But it's better.

Image: http://im9.eu/animation/publish-how-the-net-works

Co-Creating



Cindy Moss: STEM is a Culture



Learning is a form of recognition

- It’s what we do naturally, as humans, from the day we are born
- And it’s something that grows and evolves into a complex set of basic literacies, including pattern recognition, critical thinking, action and behaviour, awareness of context, inference and imagination, and change (the ‘critical literacies’)

http://halfanhour.blogspot.de/2014/11/knowledge-as-recognition.html

4. Learning Communities - the cMOOC

The Hackathon…

http://www.hackathon.io/events

The EduCamp

http://pertinenciaeducativa09.blogspot.ca/2009/10/educamp-colombia-aprendizaje-en-un.html

http://www.flickriver.com/photos/qadmon/3106848811/

http://www.irrodl.org/index.php/irrodl/article/view/884/1677

STEM Camp

Via Cindy Moss

http://www.discoveryeducation.com/STEM/connect-the-dots.cfm

It is essential to immerse oneself in the day-to-day activities and culture of the people who speak it.

Image: http://www.tumblr.com/tagged/tumblr%20language

Stephen Downes

http://www.downes.ca