Minnesota eLearning Summit

Minnesota eLearning Summit 2015

Jul 30th, 8:15 AM - 9:15 AM

Teaching in the Clouds with Your Feet on the Ground

Laurie L. Burruss
laurie.burruss@gmail.com

Follow this and additional works at: http://pubs.lib.umn.edu/minnesota-elearning-summit

Laurie L. Burruss, "Teaching in the Clouds with Your Feet on the Ground" (July 30, 2015). *Minnesota eLearning Summit.* Paper 63.
http://pubs.lib.umn.edu/minnesota-elearning-summit/2015/program/63

This work is licensed under a Creative Commons Attribution-Noncommercial 4.0 License

The Minnesota eLearning Summit conference proceedings are produced by the University of Minnesota Libraries Publishing. Authors retain ownership of their presentation materials. These materials are protected under copyright and should not be used without permission unless otherwise noted.

Teaching in the Clouds with Your Feet on the Ground

With increasing availability of Internet learning solutions and resources, teacher and learner live somewhere between the cloud and the classroom. Explore creating aggregated learning “playlists” and identifying strategies for implementing “cloud” applications and tools that create “personalized” curriculum, programs, and projects for self-learning, hybrid or flipped classrooms, and online courses.

Tools/Resources:

- Evernote – the Personalized Student Digital Notebook
- Learni.st – Annotated URLs and learning documents
- Online libraries such as lynda.com: eLearning, Mobile Solutions, Shared Playlists & Folders
- Wikispaces.org – the FREE LMS
- MOOCs – Archived National Treasures in Education
- Strategy: The 5-Finger Rule for Picking Your Online Tools

laurie@lynda.com - Laurie Burruss Education Innovation Leader

Laurie Burruss is. . .

- ALWAYS: A storyteller, recently a digital storyteller
- NOW: Sr. Director of Education at lynda.com Online Training Library©
  http://www.lynda.com laurie@lynda.com
- THEN: 22 years @Professor in Design at Pasadena City College teaching Interactive Multimedia Design
- AND ALSO: 11 years as Director of the Pasadena City Colleg Center serving the state of California as a regional resource for collaboration beween education, industry, and the community.

Pre-K 4 yrs old

Teaching in the Clouds with Your Feet on the Ground

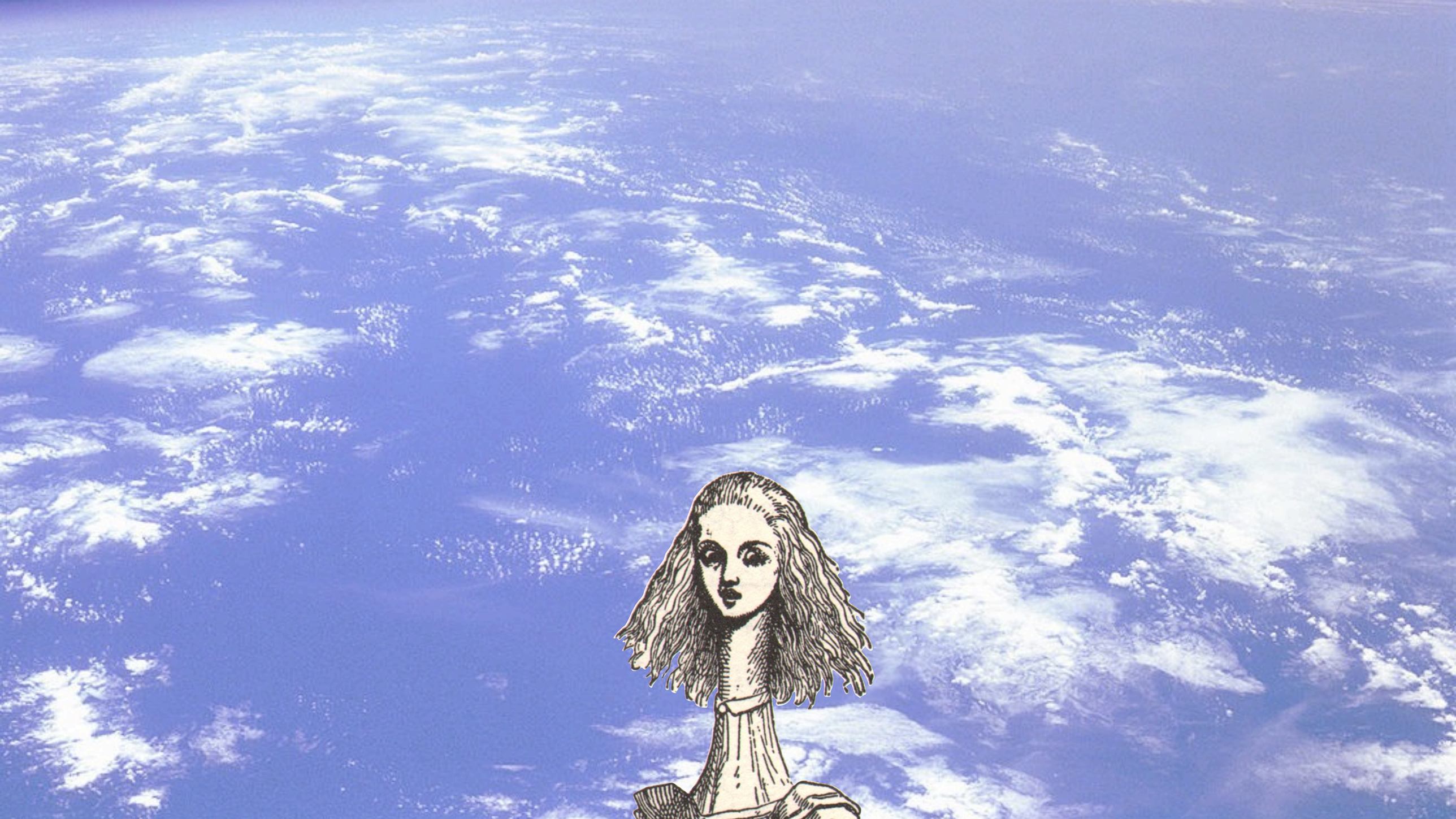
Laurie Burruss, laurie@lynda.com

MN Learnning Summit 2015 07.30.15

KEEP YOUR FEET ON THE GROUND WHEN YOUR HEAD'S IN THE CLOUDS

Paramore: ***Brick by Boring Brick***, by Williams, Hayley Nichole/Farro, Joshua Neil - *https://www.youtube.com/watch?v=A63VwWz1ij0&feature=kp*

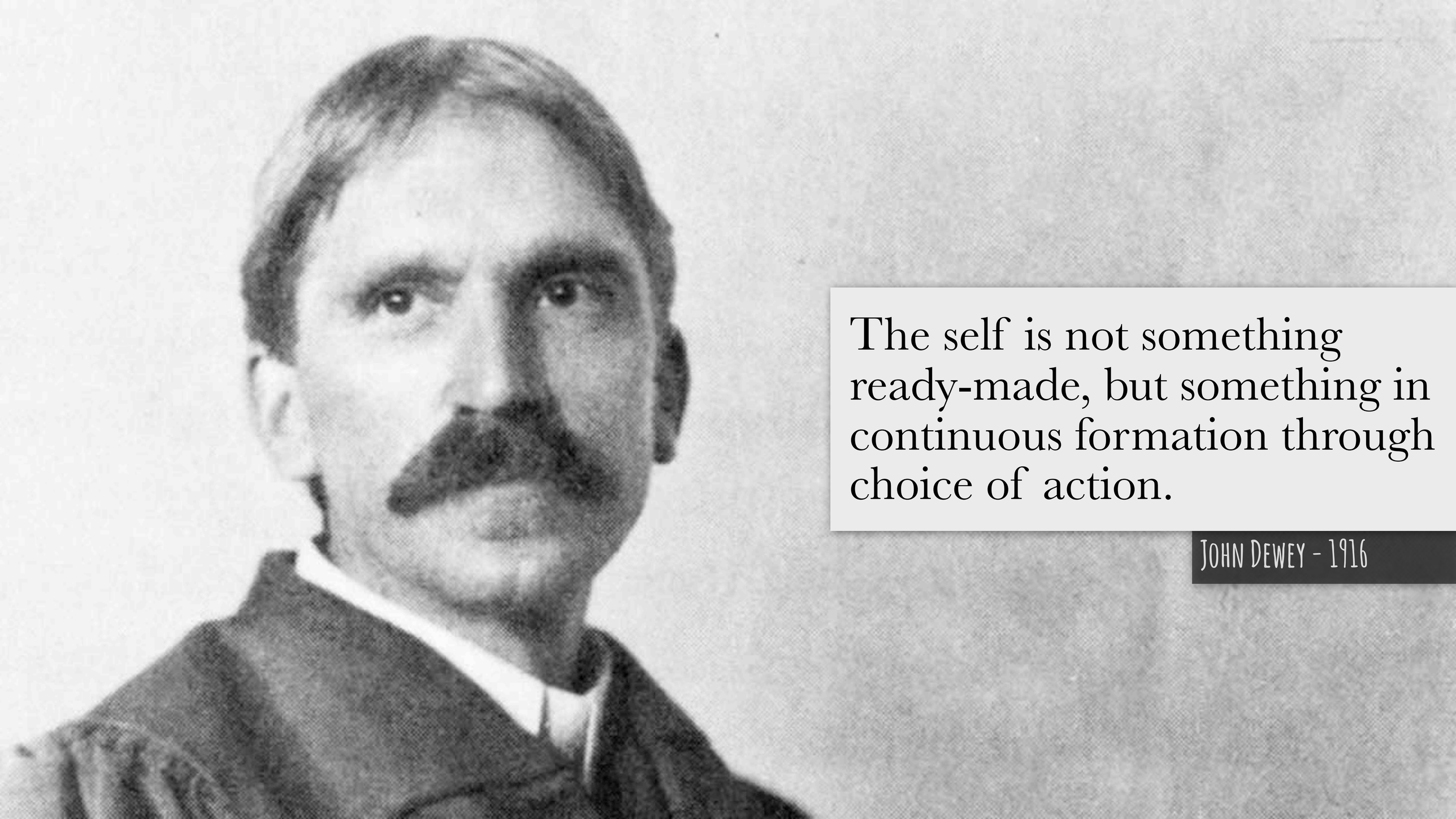
GROUNDED



http://upload.wikimedia.org/wikipedia/commons/thumb/1/1e/EVAtion_-_GPN-2000-001087.jpg/1024px-EVAtion_-_GPN-2000-001087.jpg

http://upload.wikimedia.org/wikipedia/commons/thumb/1/1e/EVAtion_-_GPN-2000-001087.jpg/1024px-EVAtion_-_GPN-2000-001087.jpg

The self is not something ready-made, but something in continuous formation through choice of action.



The self is not something ready-made, but something in continuous formation through choice of action.

John Dewey - 1916

CLOUD COMPUTING

5 Essential Characteristics of Cloud Computing

Ref: The NIST Definition of Cloud Computing
http://csrc.nist.gov/publications/nistpubs/800-145/SP800-145.pdf

On-demand self-service

Ubiquitous network access

Location transparent resource pooling

Rapid elasticity

Measured service with pay per use

Source: http://aka.ms/532

http://3.bp.blogspot.com/-7cBVWa5elts/UPuRclL09XI/AAAAAAAAAXg/Gn4AB6J5-L4/s640/five+essential.png

Perfection

Reality

Save
Save
Save

In any new endeavor or change. . .

unfamiliarity
overwhelm
uncertainty
confusion
self-doubt
fragmentation

tim o'reilly

rethink experiences

http://ecorner.stanford.edu/authorMaterialInfo.html?mid=3105

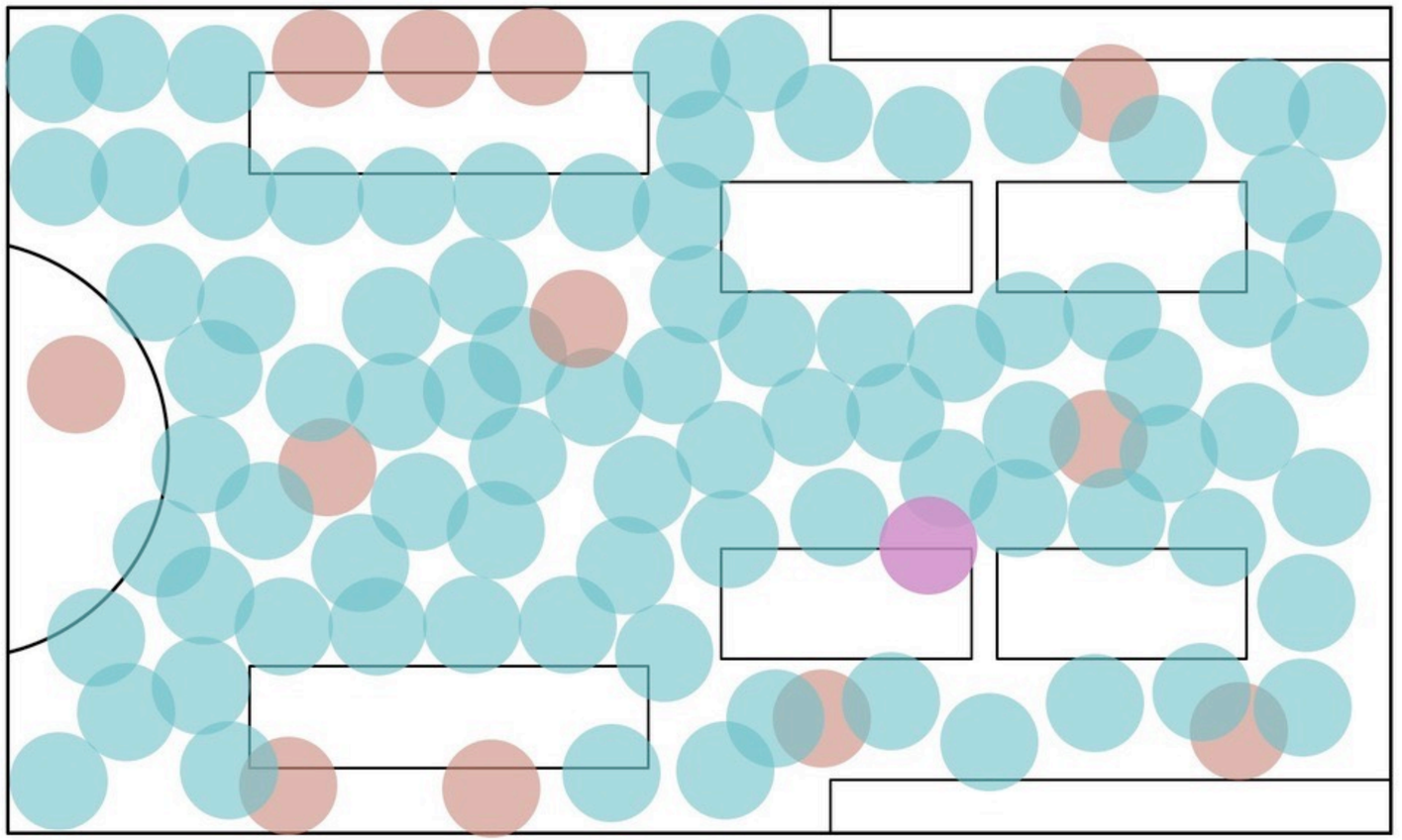
http://beyondthe.biz/wp-content/uploads/2011/03/20110311timoreilly.png

http://verrytechnical.com/wp-content/uploads/2010/12/CheckoutLines.jpg

http://verrytechnical.com/wp-content/uploads/2010/12/CheckoutLines.jpg

http://www.technobuffalo.com/wp-content/uploads/2012/04/Apple-Store-Sales.jpg

Every Apple Store I go to (floor plan):



Customers

Employees (busy)

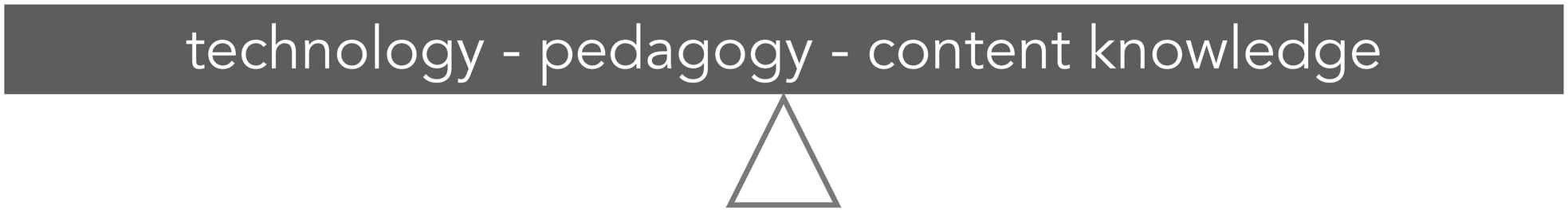
Employees (free)

Me, scheduling the next available Genius Bar appointment (six months ahead), so I can sell it on eBay.

DOGHOUSEDIARIES

http://rack.3.mshcdn.com/media/ZgkyMDEzLzA1LzI5LzIxL01hc2hhYmxlQXBwLjA2NDUyLmpwZwpwCXRodW1iCTEyMDB4OTYwMD4/d60cf5ca/662/Mashable-Apple-Stores-copy.jpg

rethink balance

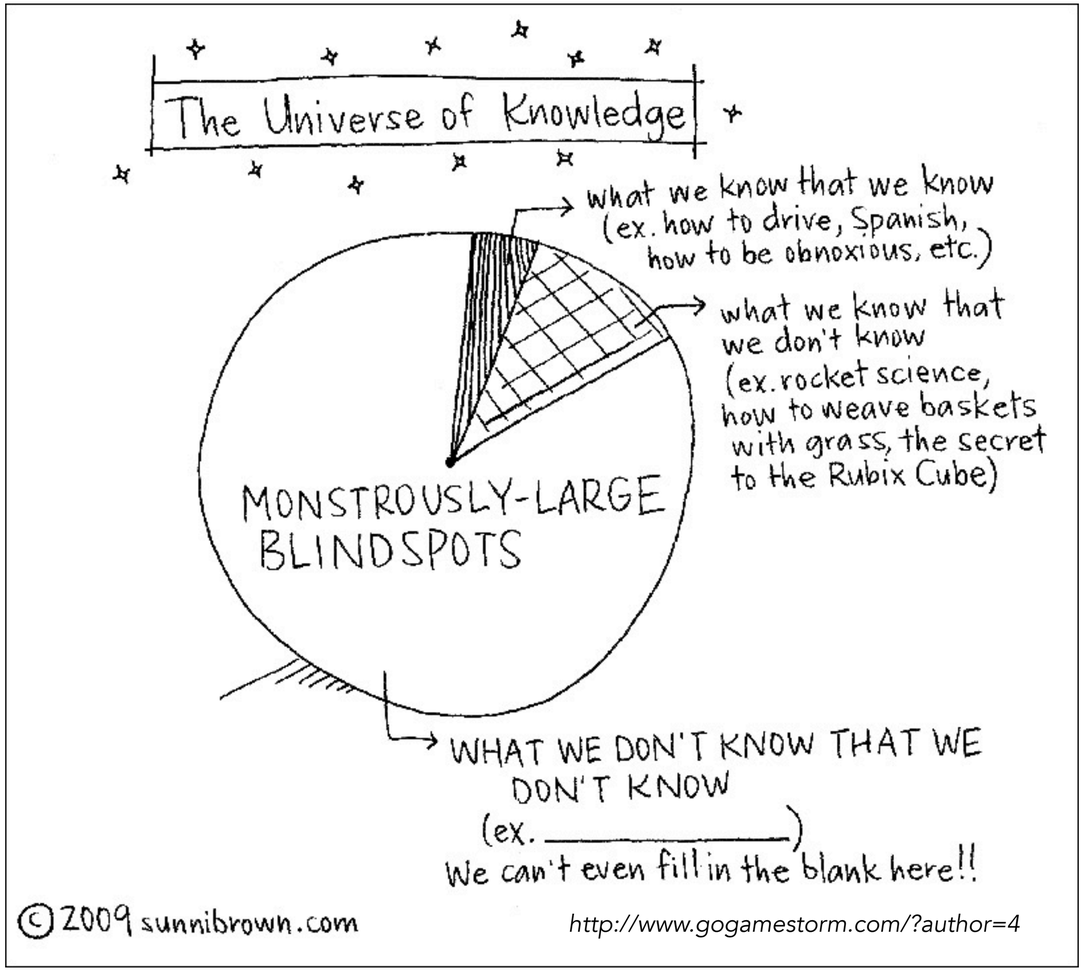


rethink environment

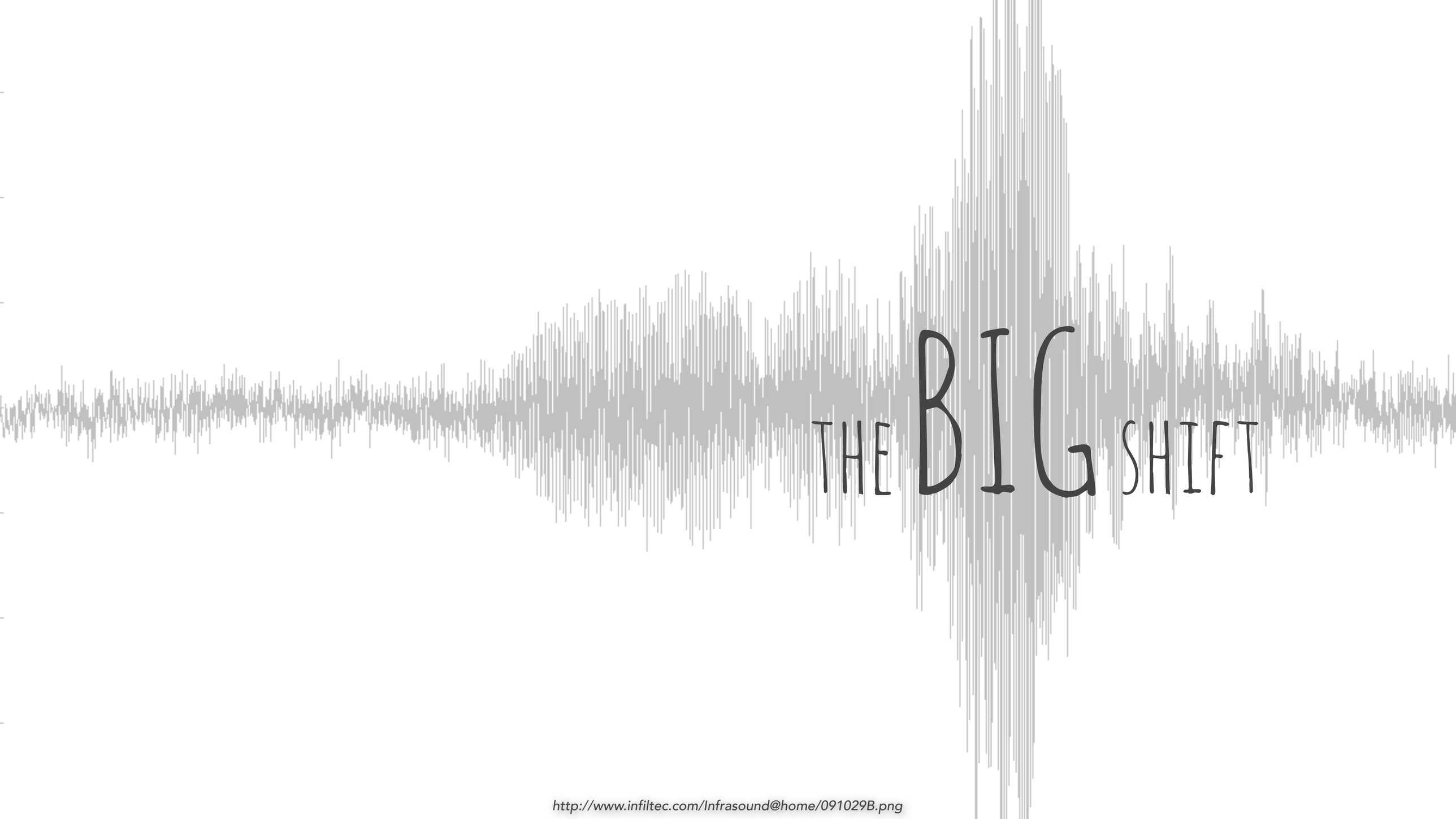
rethink experiences

we don’t know what we don’t know

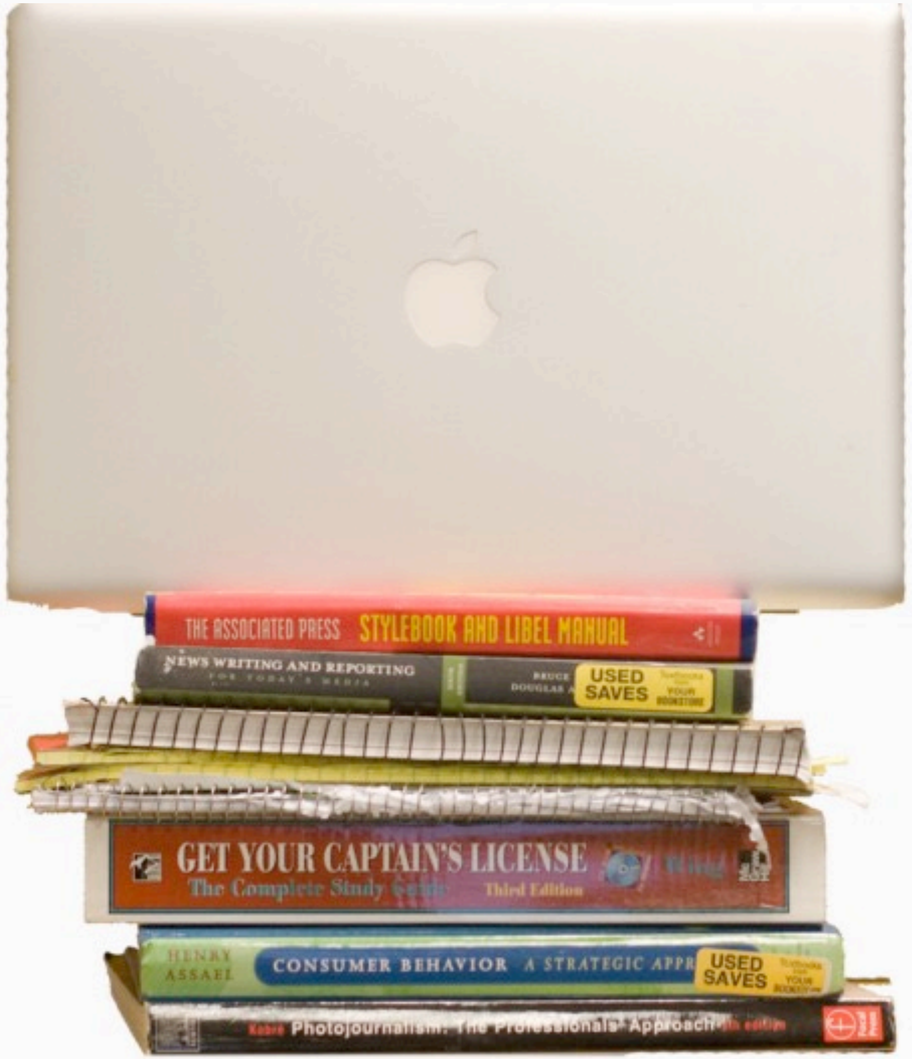
we don’t know what we don’t know



and there’s a lot we don’t know



http://www.infiltec.com/Infrasound@home/091029B.png

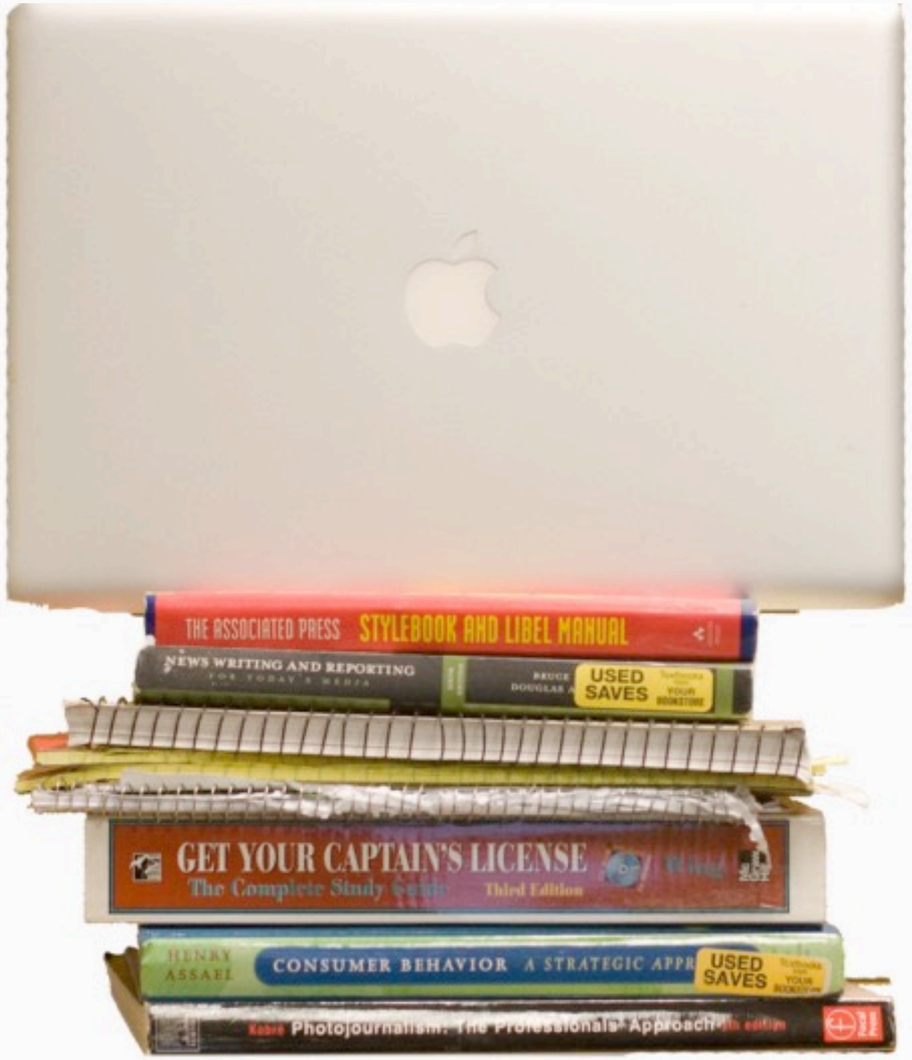


VS

Old School

New Age

http://mastersofmedia.hum.uva.nl/wp-content/uploads/2012/10/iPadPhotoIllustration1-1024x614.jpg



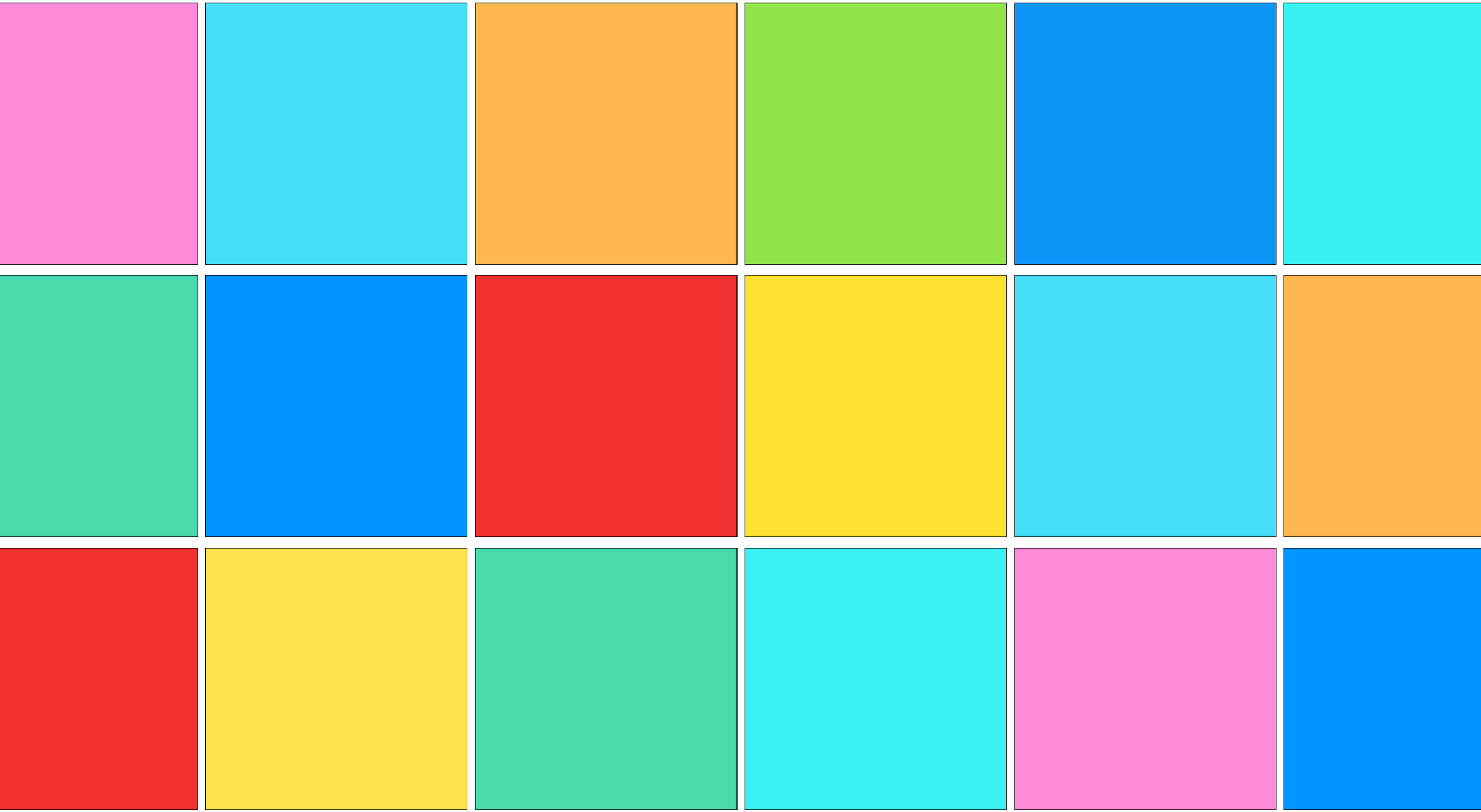
+

Old School

New Age

http://mastersofmedia.hum.uva.nl/wp-content/uploads/2012/10/iPadPhotoIllustration1-1024x614.jpg

Connectors vs Connected



TurningPoint
www.turningtechnologies.com
1/A
2/B
3/C
4/D
5/E
6/F
7/G
8/H
9/I
Login
0/J
ResponseCard RF

0.2 mi: Sawyer Road
65
3:06 pm
Menu

SIMPLE - EASY - IMMEDIATE

tethered

tethered

tethered

tethered

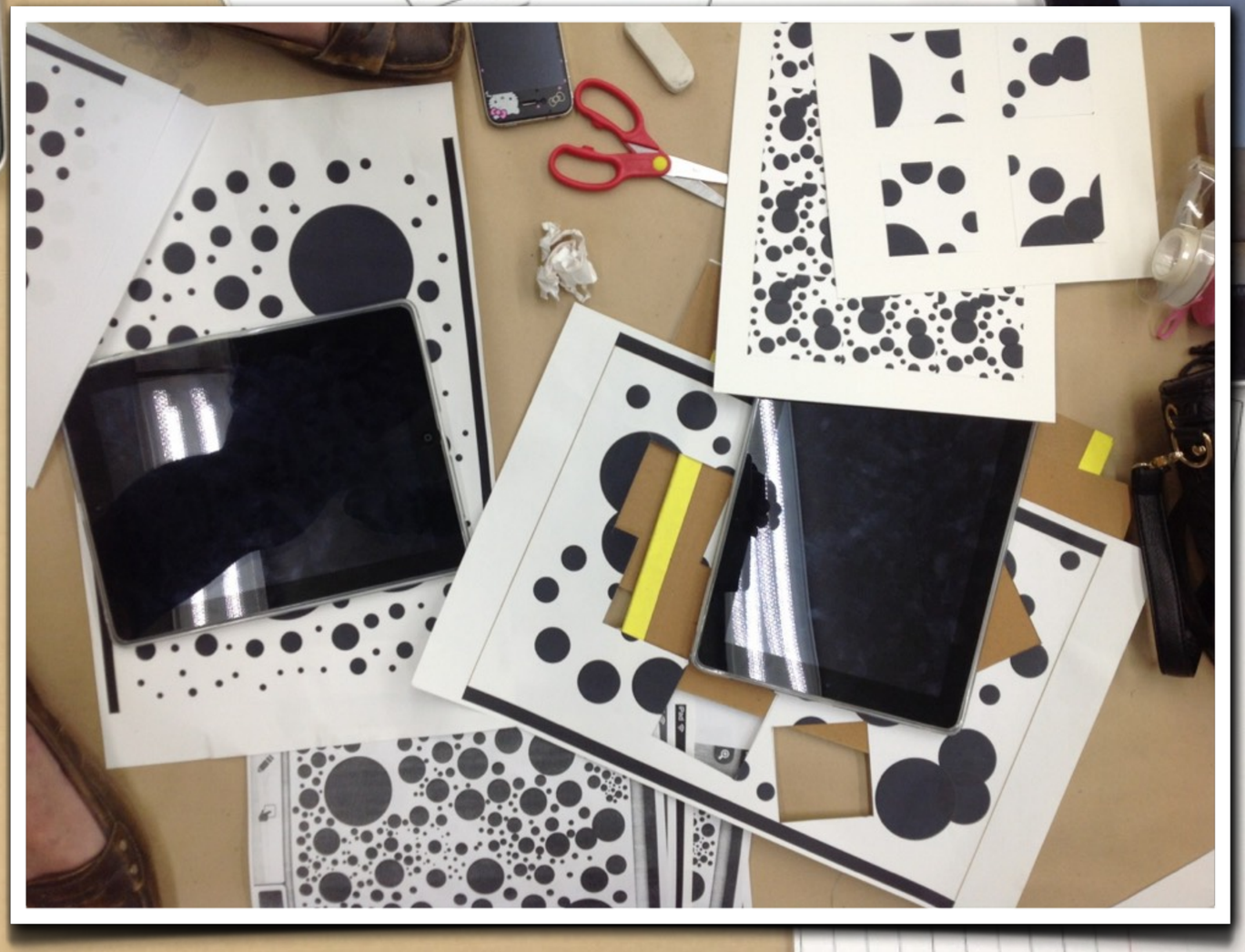
untethered

iPad
9:41 AM
Messages
FaceTime
Photos
Camera
Maps
Clock
Photo Booth
Tuesday
23
Calendar
Contacts
Notes
Reminders
Newsstand
iTunes
App Store
Game Center
Settings
Safari
Mail
Videos
Music

untethered

untethered

untethered



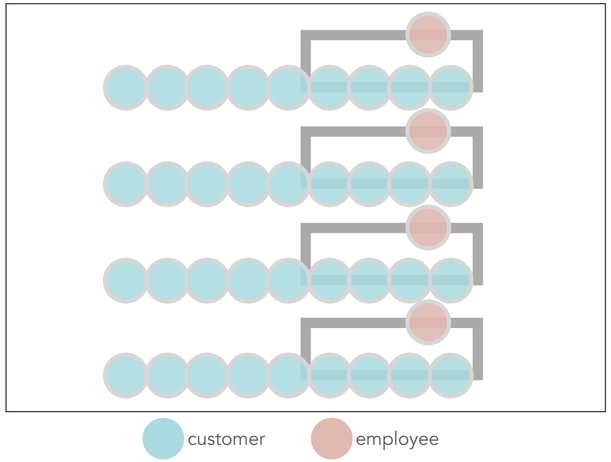
untethered

untethered

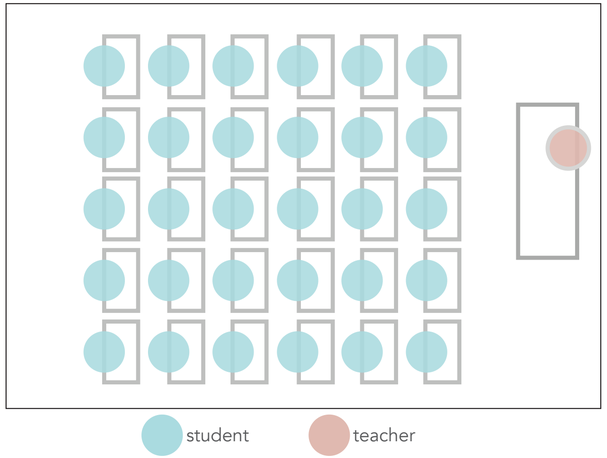
Adjective

Your Turn: Exercise 1 - redesign the classroom

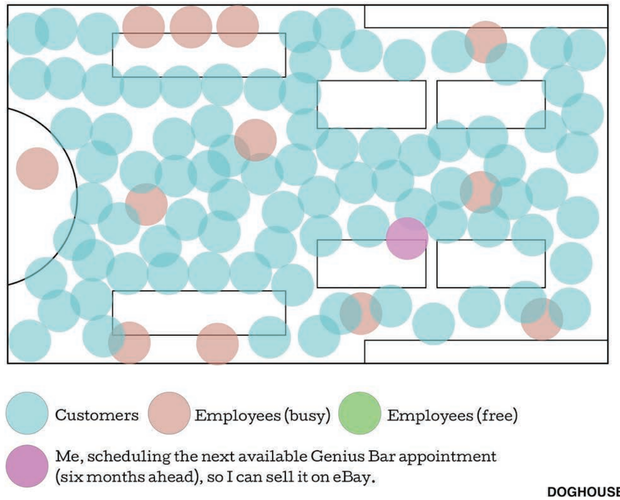
Typical retail floor plan:



Typical classroom floor plan:



Every Apple Store I go to (floor plan):



The un-tethered classroom that I want to teach/learn in (floor plan):

Create a floor plan for the untethered classroom!

You have the following:

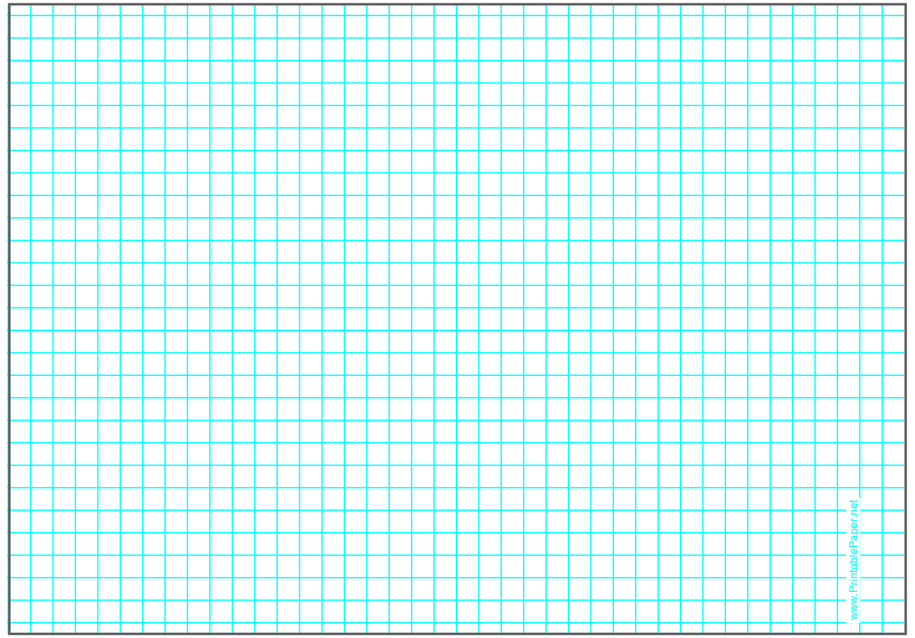
- —a projection screen/projector (long sticker)
- —white board(s) (long sticker)
- —1:1 mobile devices (tablets) for each student (for example, an iPad cart)
- —a printer/scanner if necessary
- —Minimum 25 students (GREEN dots)
- —1 teacher (RED dot)

What furniture would you want? - tables, chairs, etc?

Design for flow, dialog, small team work, anyone, anywhere in the room can project his/her screen. (no sage on the stage here) **Keep the student experience in mind!**

TIME LIMIT: 5 MIN

01: The un-tethered classroom that I want to teach/learn in (floor plan):



NOTES:

Teacher **Student** **White Board - Projection Screen**

Pen - Pencil - Markers - Straight Edge

Point-of-view: Students

5 minutes

Why go to the clouds?
Benefits. . .

teacher & learner back in CONTROL

Why go to the clouds? Benefits. . .

CUSTOMIZATION
(The Personal Learning Studio - no 2 alike)

Why go to the clouds? Benefits. . .

MULTI-SENSORY EXPERIENCES (experience not memorization)

Why go to the clouds?
Benefits. . .

CONTEXTUAL LEARNING
learn what you want
as you need it

Why go to the clouds?
Benefits. . .

ACCESS
(portability)

Why go to the clouds?
Benefits. . .

PERSONALIZATION
for individual learning
styles & needs

Why go to the clouds?
Benefits. . .

ENGAGEMENT
increased participation
focus on content creation

Why go to the clouds?
Benefits. . .

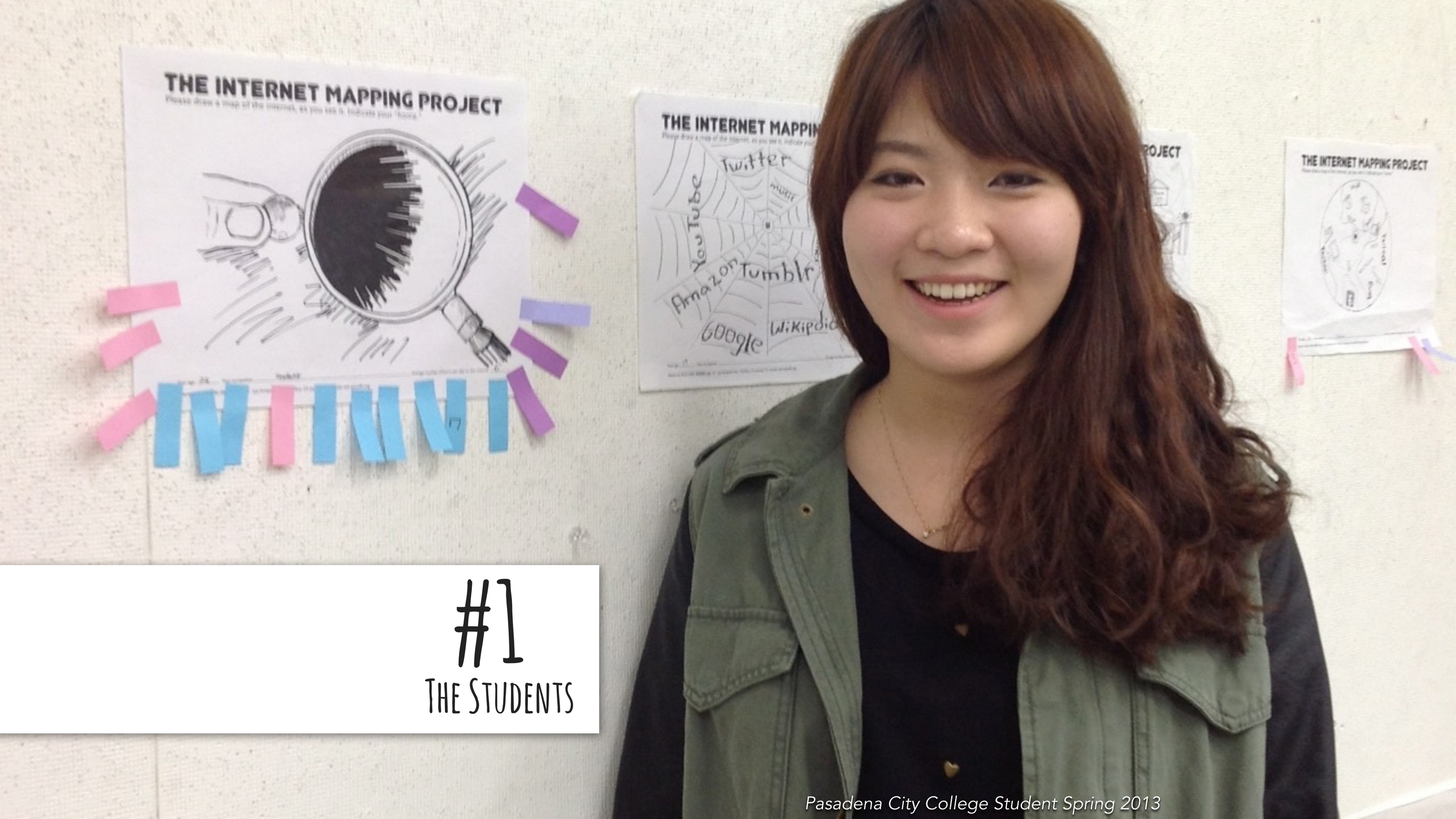
CONNECTIVITY
wifi enables internet
+printers + projection

Why go to the clouds?
Benefits. . .

MANAGEMENT
with choices

Why go to the clouds?
Benefits. . .

ACCESSBILITY
special needs



#1
The Students

Pasadena City College Student Spring 2013

THE PLAN

THE PERSONAL STRATEGY

5

Finger Strategy

Turn those 5 questions into a plan - a project brief/proposal.

The Checklist

The Checklist

✓ Purpose

What is the purpose of the program? Does the device/tool fit the program's purpose?

✓ Pedagogy

How does my approach to teaching change? What can I do that I couldn't before?
What are some ideas that I would like to try?

✓ Management

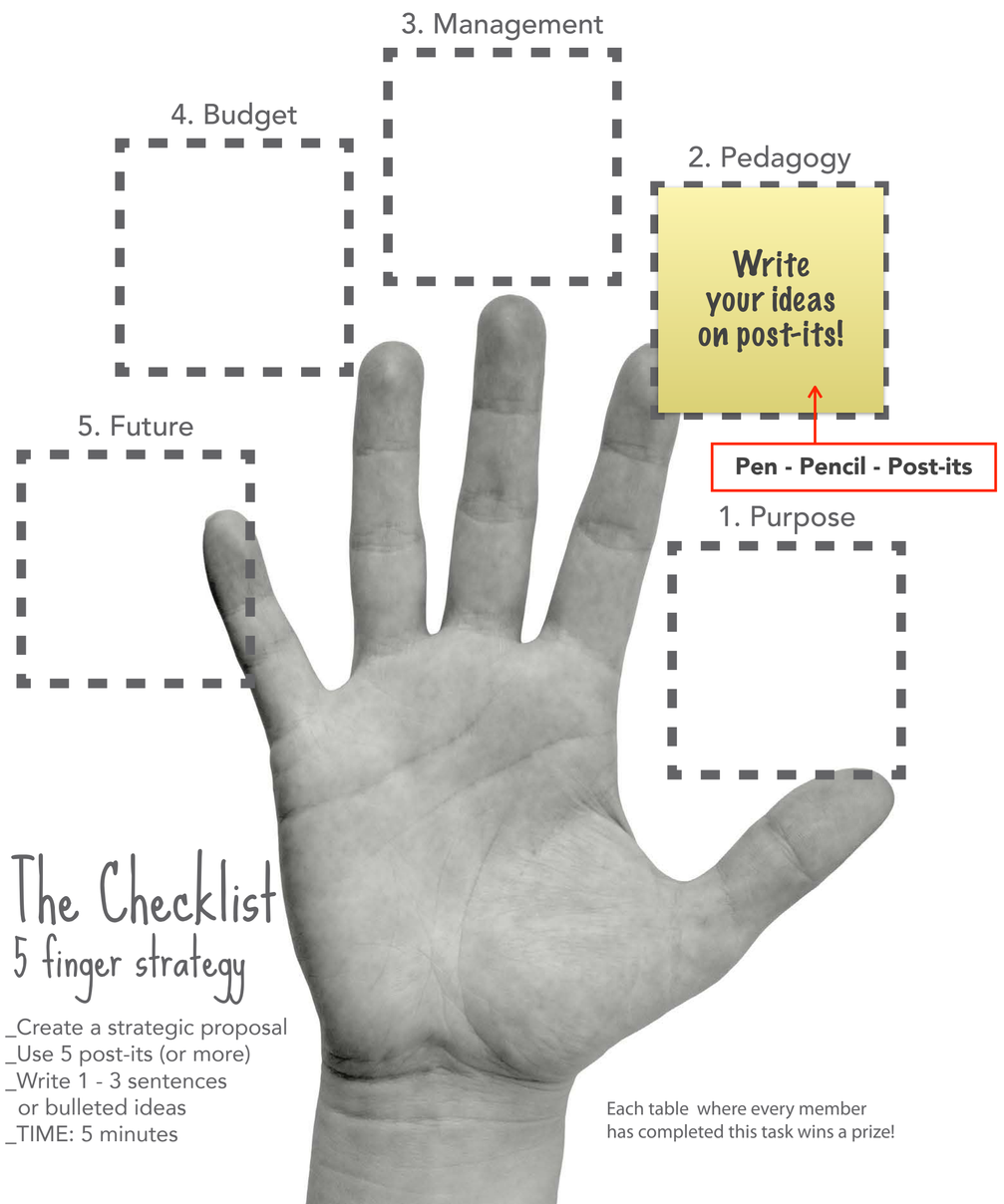
How are we going to mange the devices?
Define procedures. Support the staff. Offer Professional Development. Target the audience.

✓ Budget

Number-crunching, IT & staff support, room & infrastructure costs (wifi, data projector, etc)

✓ Future: Sustainability & Growth

Your Turn: Exercise 2 - create a strategy



The Checklist
5 finger strategy

_Create a strategic proposal
_Use 5 post-its (or more)
_Write 1 - 3 sentences
or bulleted ideas
_TIME: 5 minutes

Each table where every member has completed this task wins a prize!

Prompts on back

The Checklist

Purpose
What is the purpose of the program? Does the device/tool fit the program's purpose?

Pedagogy
How does my approach to teaching change? What can I do that I couldn't before? What are some ideas that I would like to try?

Management
How are we going to mange the devices? Define procedures. Support the staff. Offer Professional Development. Target the audience.

Budget
Number-crunching, IT & staff support, room & infrastructure costs (wifi, data projector, etc)

Future
Sustainability & Growth; Institutionalization timeframe.

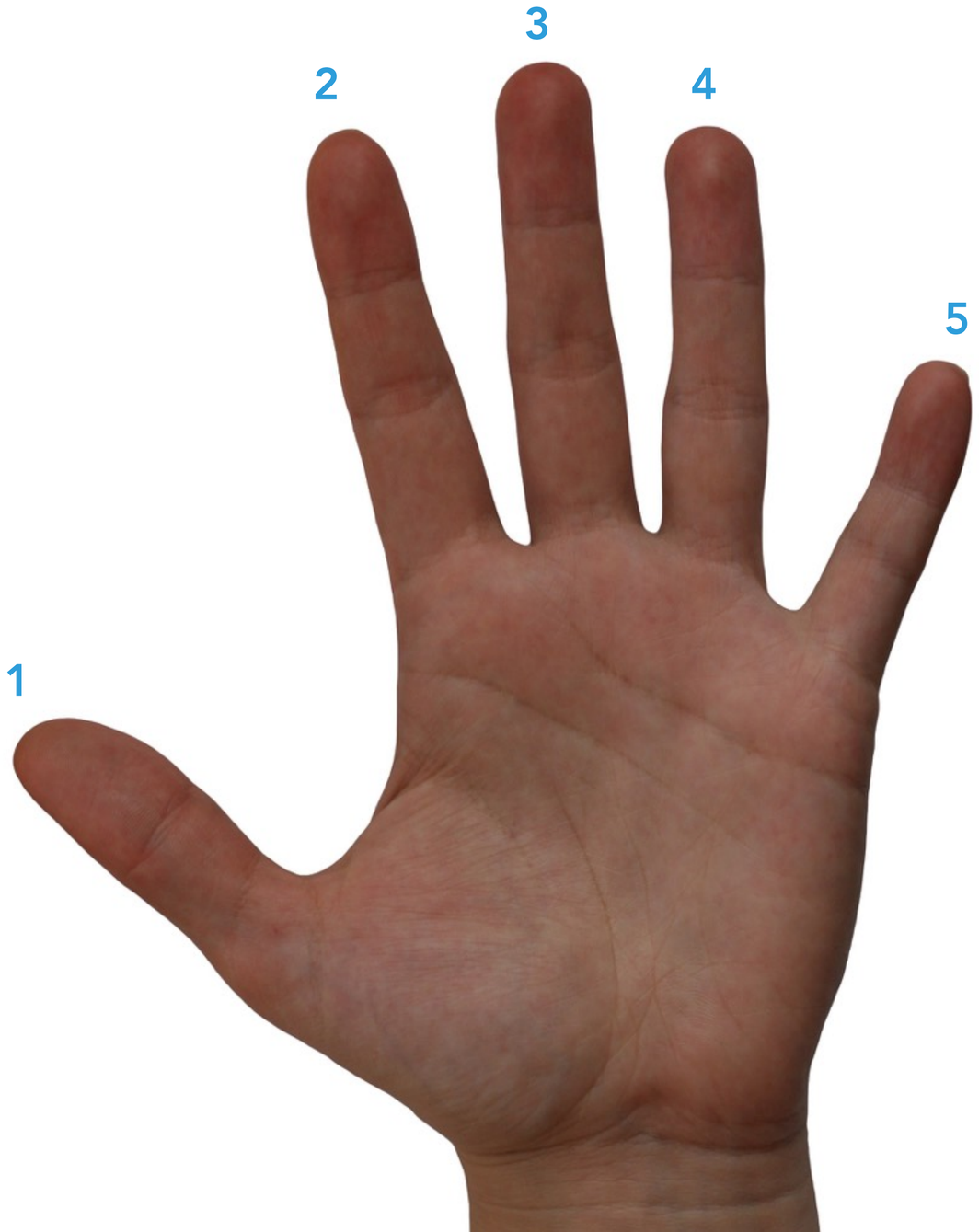
Point-of-view: Administrator

5 minutes

5

Finger Strategy

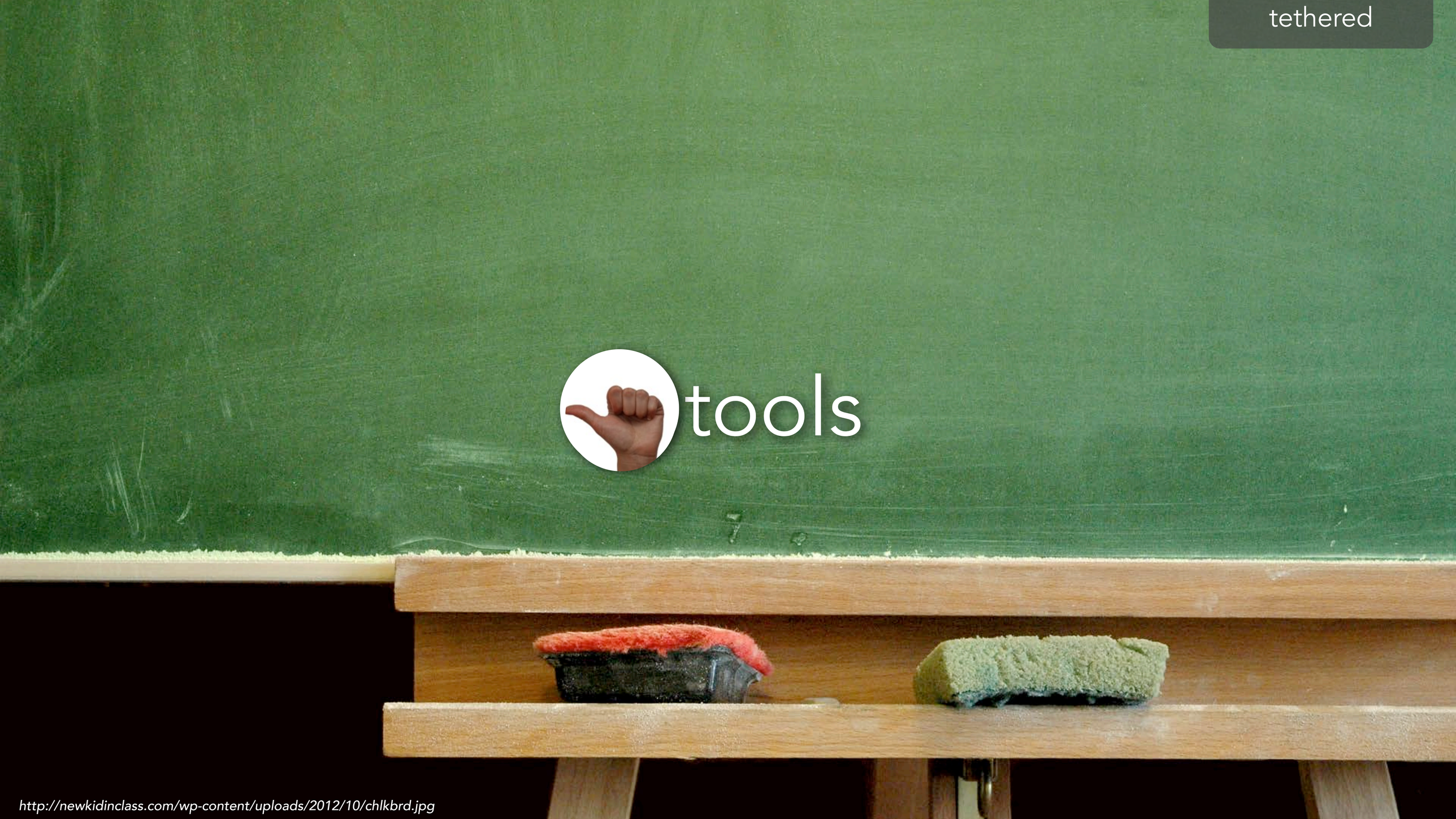
tethered > untethered



teaching style
teacher to student interaction
convenience
student to student interaction
tasks projects challenges
overall experience

teaching style
teacher to student interaction
convenience
student to student interaction
tasks projects challenges
overall experience

tethered



http://newkidinclass.com/wp-content/uploads/2012/10/chlkbrd.jpg

TOOLS

computer station to iPad

in > < out

+ sync to ALL devices

Evernote

Dropbox

Airplay

RESULT: new class config

EVERNOTE

PRODUCTS | BLOGS | THE TRUNK

- Web Sign In
- Create Account
- Go Premium

untethered

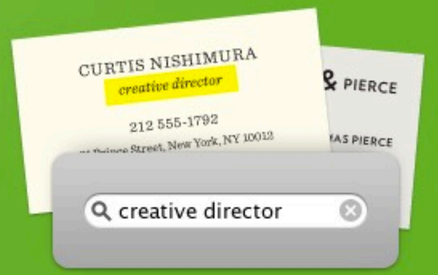
Remember everything.

Capture anything.

Save your ideas, things you like, things you hear, and things you see.

Access anywhere.

Evernote works with nearly every computer, phone and mobile device out there.



Find things fast.

Search by keyword, tag or even printed and handwritten text inside images.

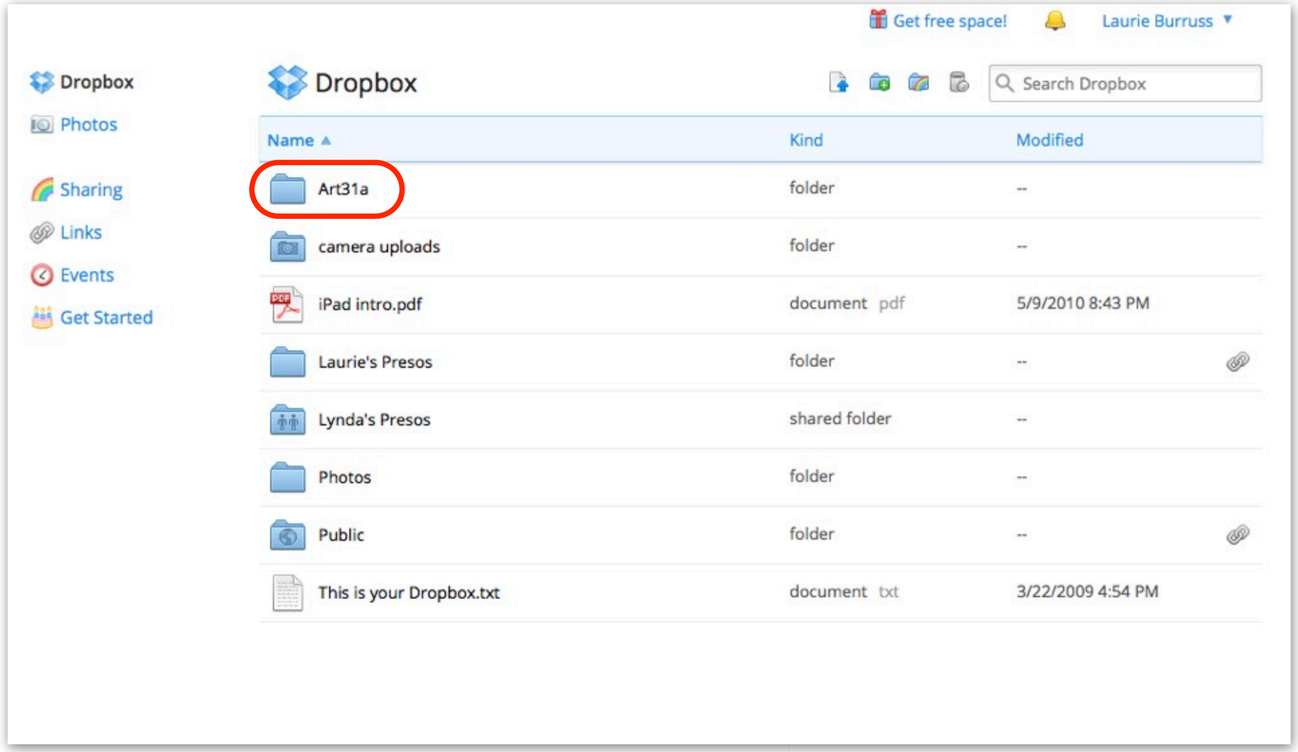
Get Evernote — It's Free

the digital notebook+

Your stuff, anywhere

Sign up

or Sign in



the digital locker+

Dropbox

http://www.dropbox.com

TATE
Open Systems
Books on artists featured in this exhibition
GERHARD RICHTER EIGHT GRAY
display copy
OUT OF ORDER, OUT OF SIGHT
display copy
display copy
display copy
MAGNUM
Patrick Caulfield
EVA HESSE
ANDY WARHOL

textbooks

personalized aggregator

textbook to playlist
iBooks (traditional metaphor)
learni.st
grok

RESULT: teacher & student collaboratively build living, digital course materials

Learnist ≡ Add + Find Friends

Laurie Burruss

Interactive Design Professor at Pasadena City College as well as Education Consultant for lynda.com; speaker and evangelist for teaching, learning, and technology.

Activity | Boards (2) | Likes (3) | Following (0) | Progress (0)

↕ Reorder

Following 3
Followers 25

Invite Facebook Friends
Invite Via Gmail

Areas of Expertise

Other Learnist users can endorse you for your expertise. Mouse over a topic to hide it from your public profile.

color
color theory
graphic design
interaction design
interactivity
javascript
jquery
projects
tutorials

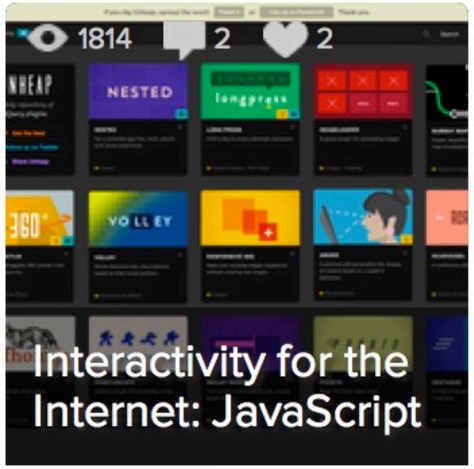
Interests

education
ipad

By **Laurie Burruss**

Related articles, URLs, and posts on Color and its Theory.

http://learni.st/users/laurie.burruss/boards/4250-color-theory



By **Laurie Burruss**

An aggregation of sites/tutorials to support learning interaction design and JavaScript libraries for Laurie Burruss' course Art 158 at Pasadena City College (Spring 2013).

5343 VIEWS

Color Theory

by Laurie Burruss

Category: Art & Design | 5343 views | Created: 09/04/12

Related articles, URLs, and posts on Color and its Theory.

+ add to this board

more

Follow 141 Like 54

141 followers

54 likes

color | color theory | graphic design

Save

5 Comments

Lisa Lawson
7 months ago | Reply | Like
Thanks, Laurie for posting this color info. I always look for options when teaching color theory!

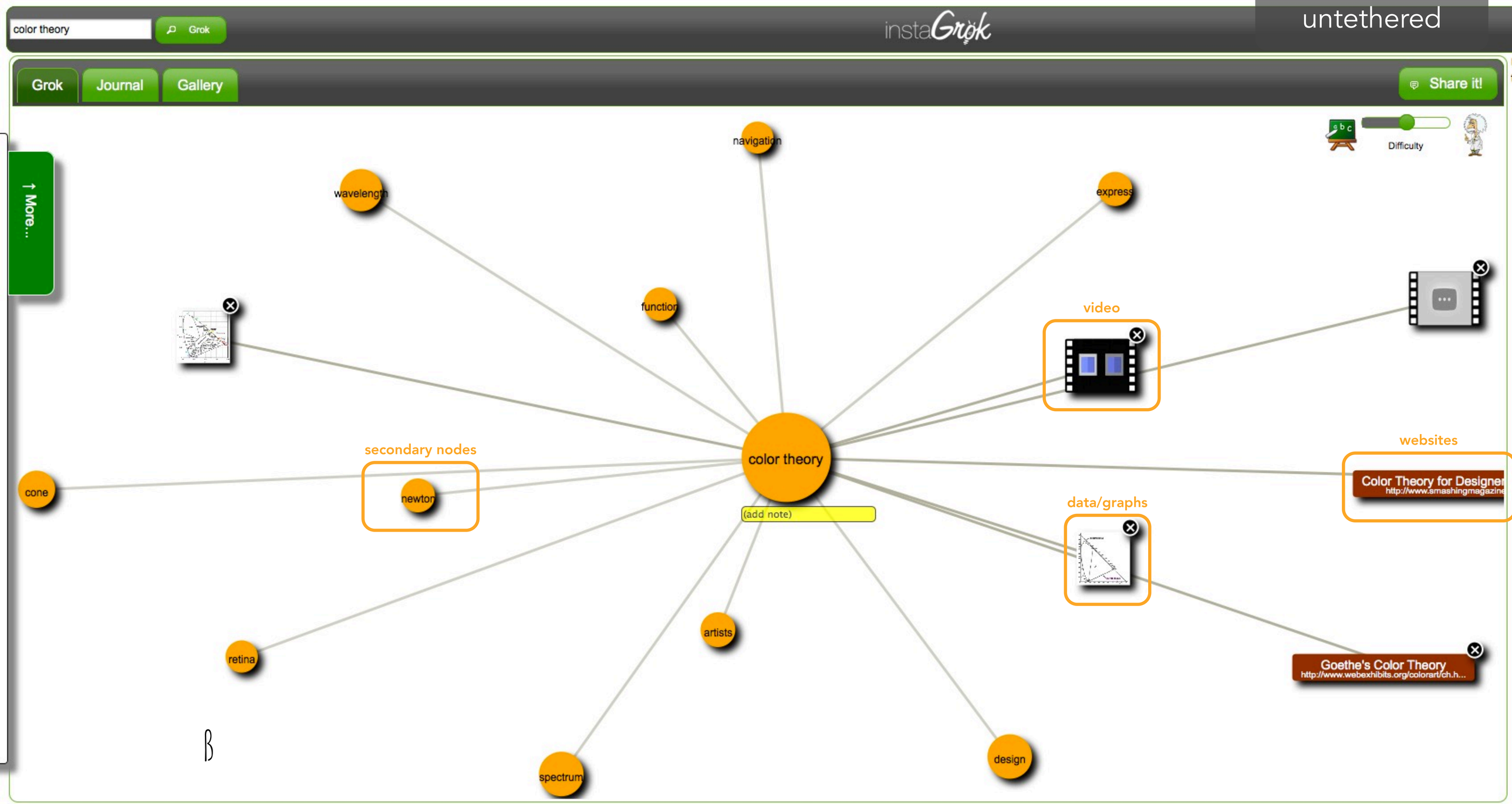
http://learni.st/users/laurie.burruss/boards/4250-color-theory

http://learni.st/category/featured

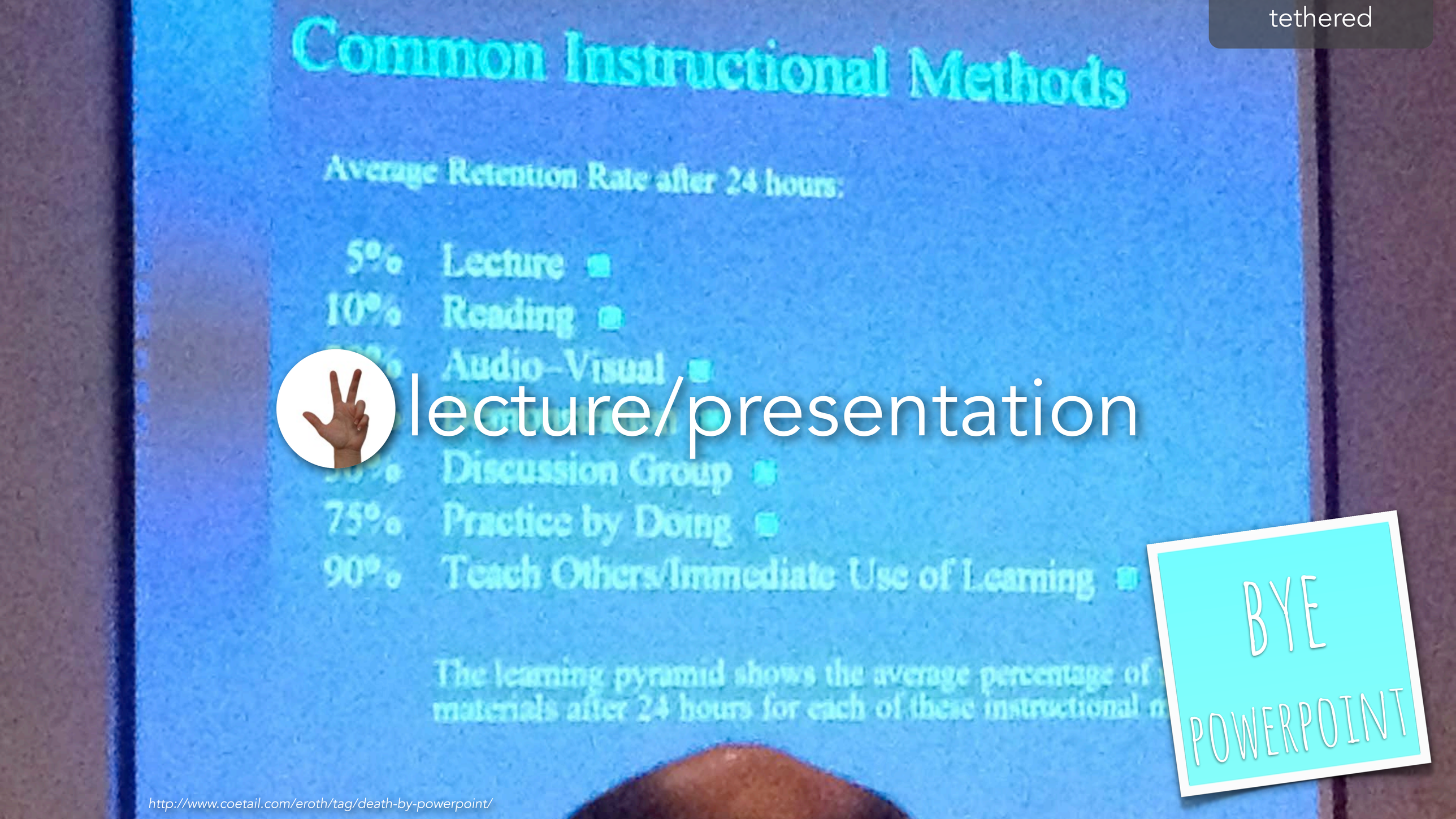
color theory Grok

instaGrok

Grok Journal Gallery Share it!



tethered



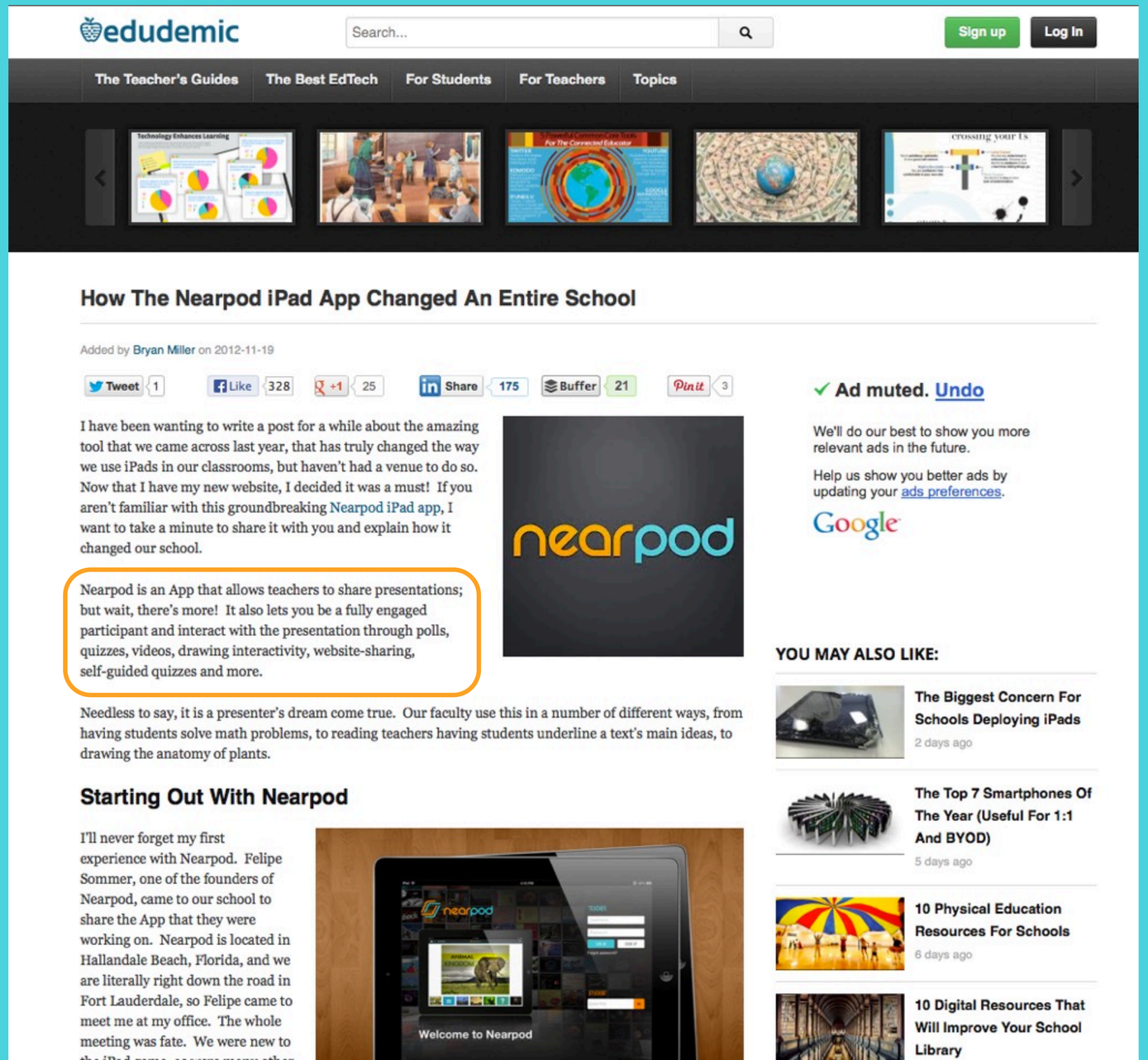
http://www.coetail.com/eroth/tag/death-by-powerpoint/

syncrhonous/asynchronous interactive presentation

teacher control
variety of engaged activities
individual learning styles
shared content creation
data report - multimedia & numbers

RESULT: teacher & student collaboratively & separately learn, research present, & engage

http://www.edudemic.com/2012/11/nearpod-ipad-app/

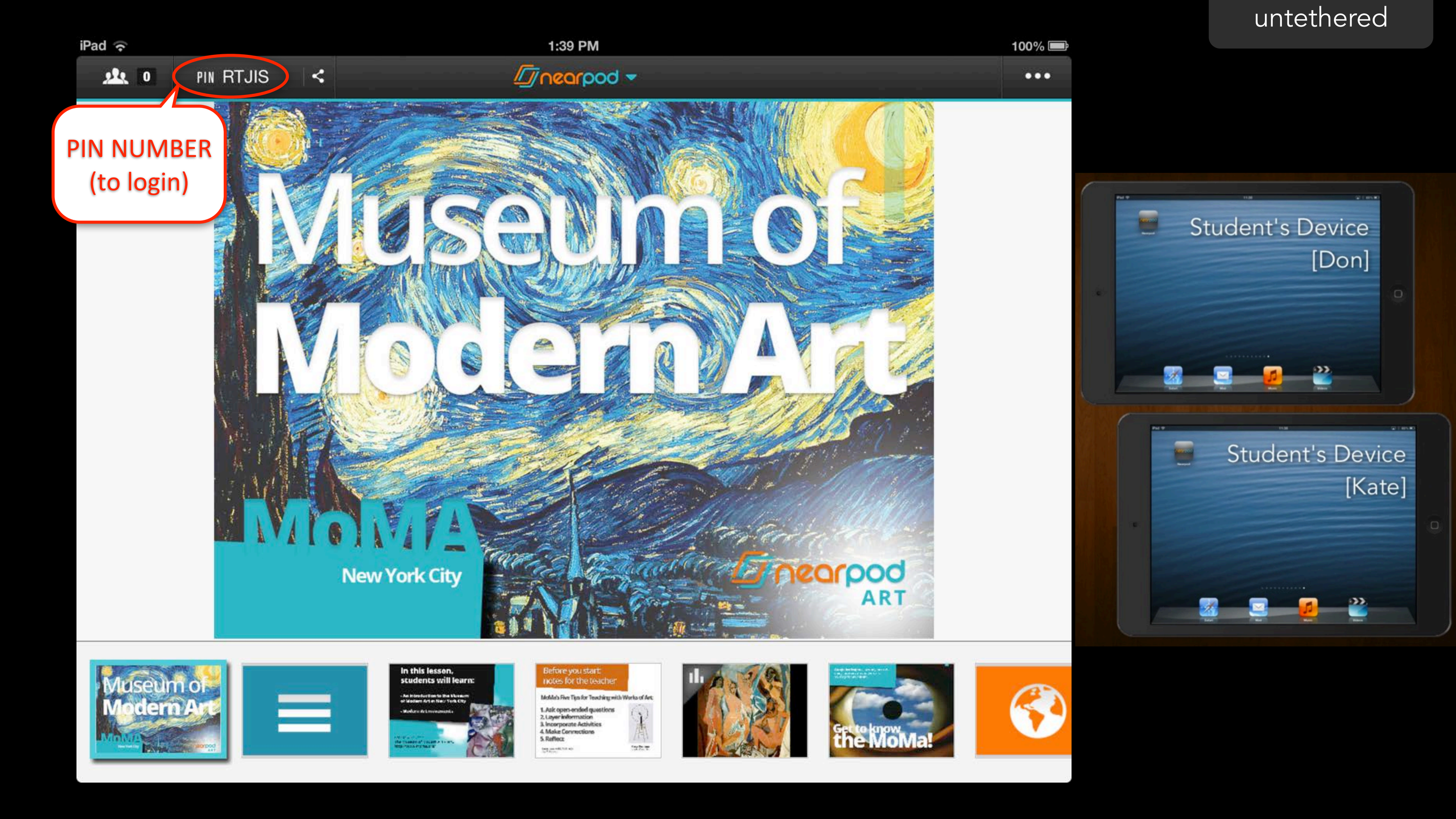


Step 1:
Content Tool

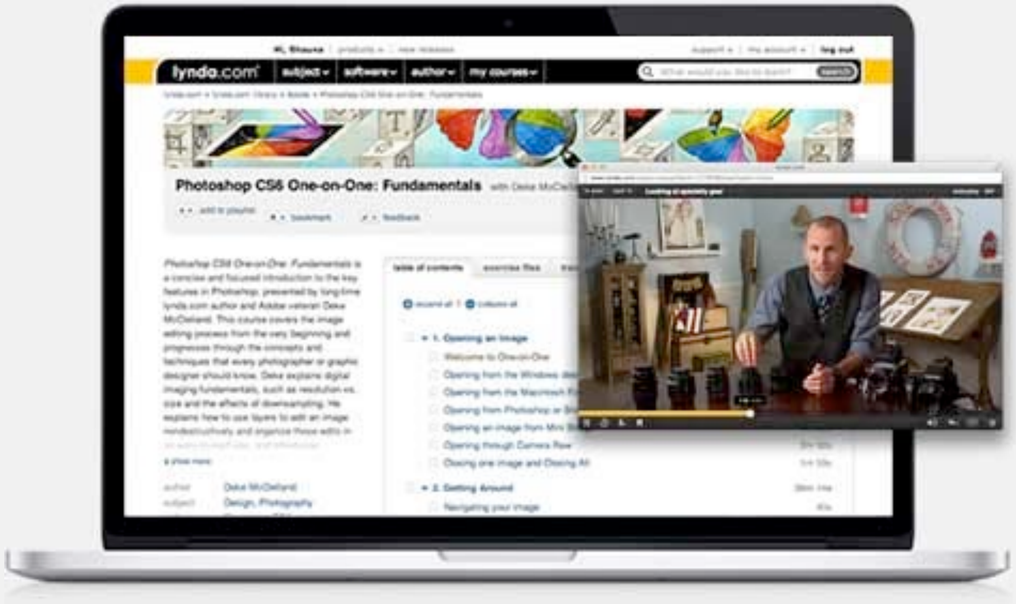
Step 2:
Nearpod Teacher

Step 3:
Nearpod Student

Step 4:
Reporting Tool


untethered
iPad
1:39 PM
100%
0
PIN RTJIS
nearpod
PIN NUMBER
(to login)
Museum of
Modern Art
MoMA
New York City
nearpod
ART
Student's Device
[Don]
Student's Device
[Kate]
Museum of
Modern Art
MoMA
In this lesson,
students will learn:
Before you start:
notes for the teacher
MoMA's Five Tips for Teaching with Works of Art:
1. Ask open-ended questions
2. Layer information
3. Incorporate Activities
4. Make Connections
5. Reflect
Get to know
the MoMa!

libraries/resources
lynda.com photo

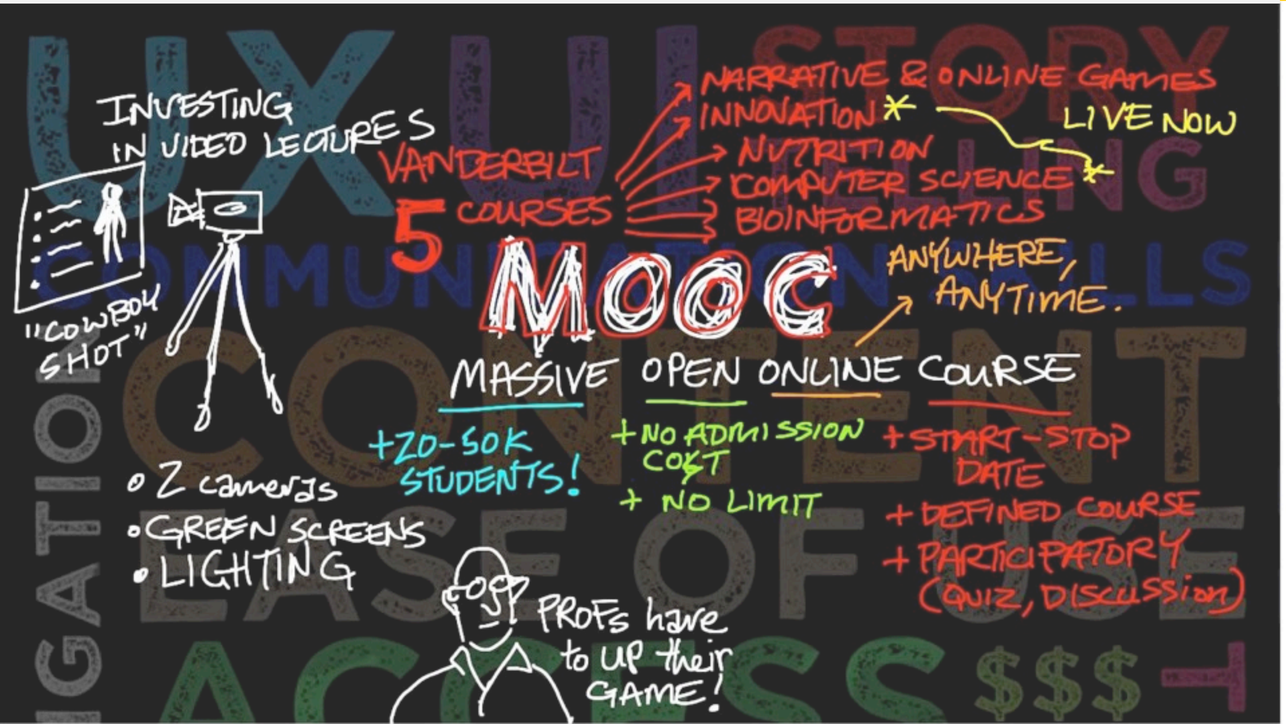


lynda.com

libraries go digital
accessible online resources

anytime, anywhere
no shame, no blame
short, bite-sized content
searchable
watch again & again

RESULT:
another "expert" voice in the classroom
students seek out many points-of-view
teacher free to do engage more in-class
time management
flipped classroom model



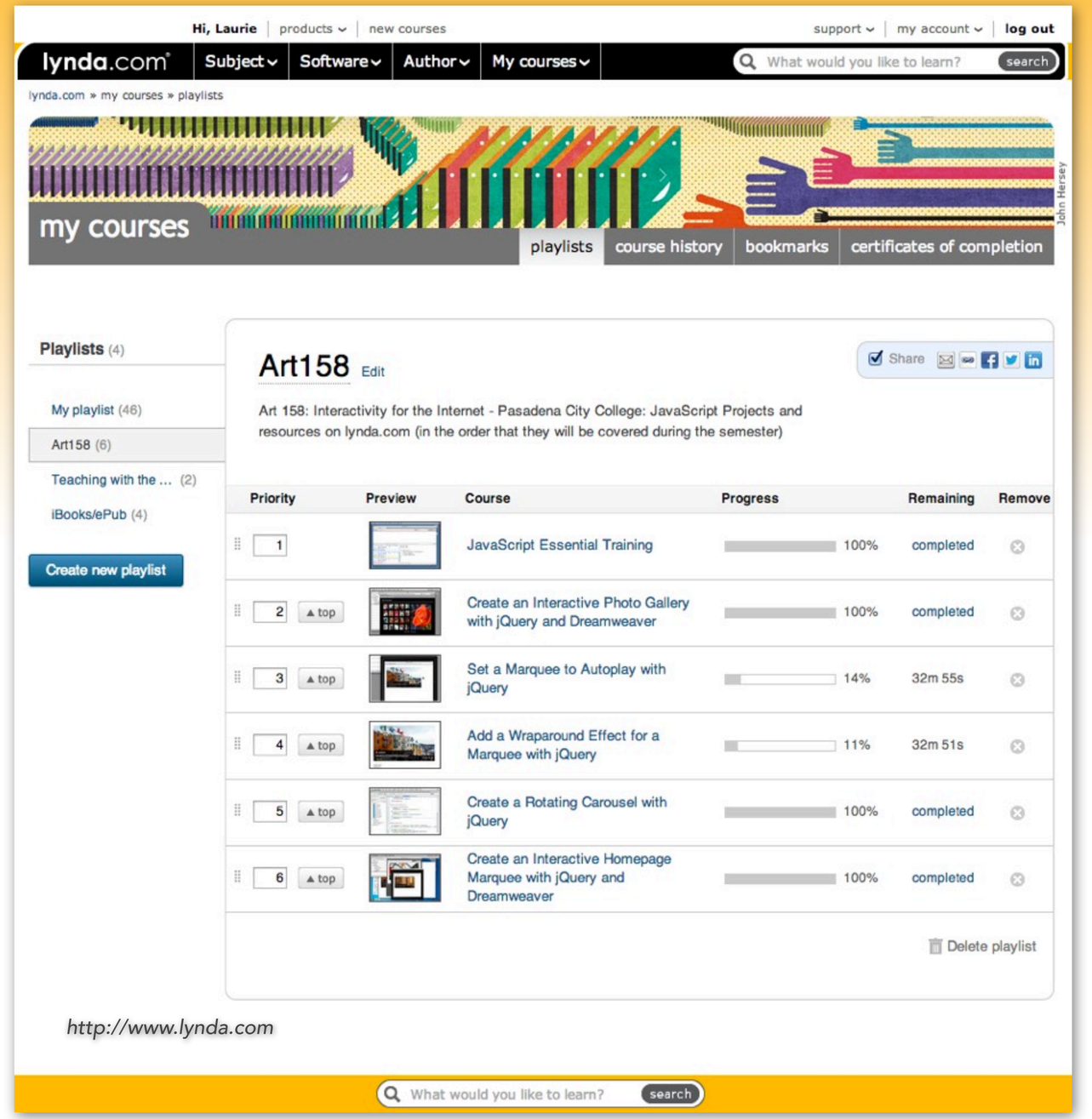
coursera

UDACITY

UDACITY

edX

TED



http://www.lynda.com

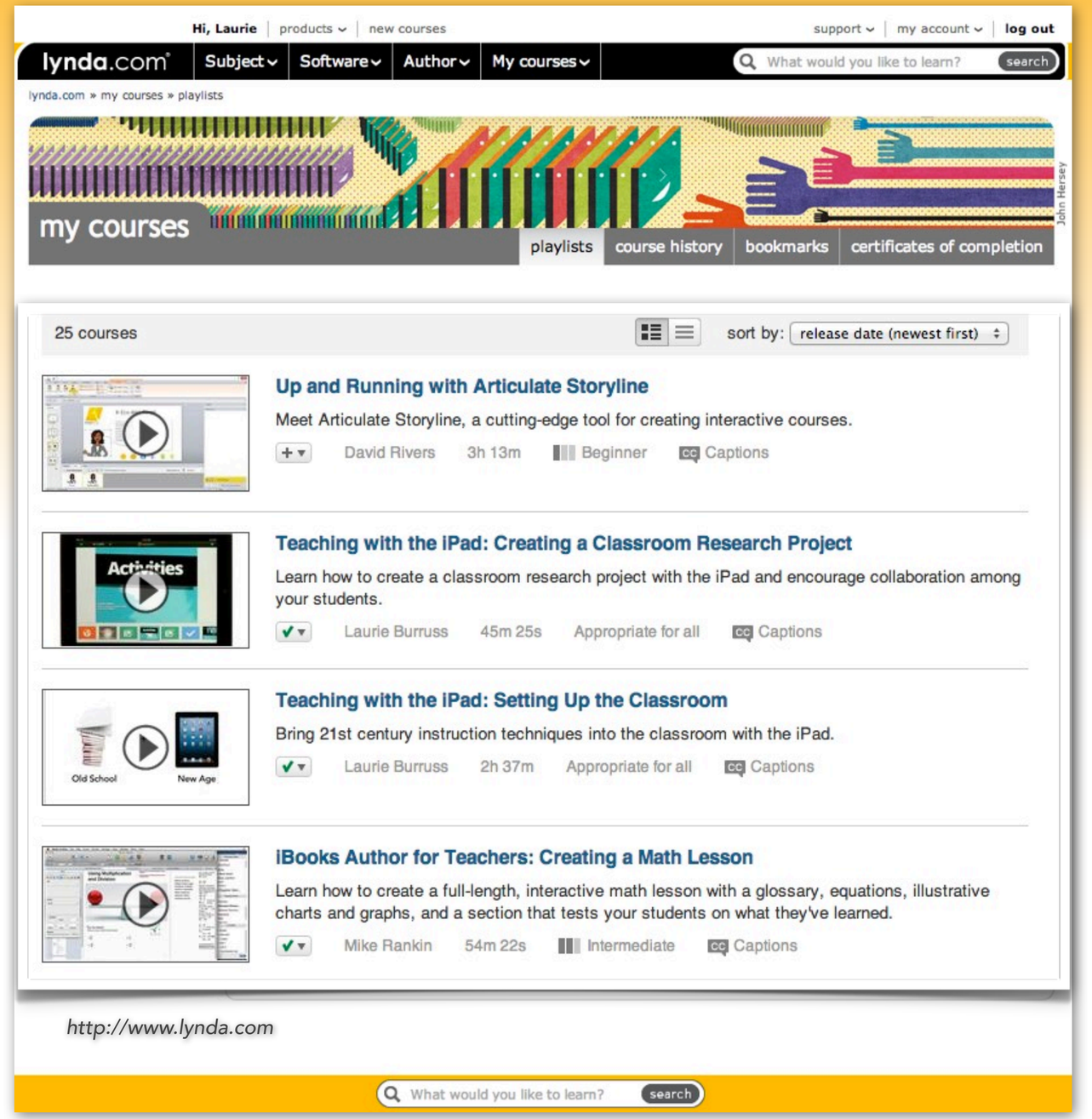
Teaching with the iPad

SETTING UP THE CLASSROOM
CREATING A CLASSROOM RESEARCH PROJECT

with Laurie Burruss

PLAYLISTS are here! The NEW digital bookshelf.
Create a new playlist.
Share a new playlist.
Send to URL link, email, facebook, twitter, linked in.

elearning courses are here!



http://www.lynda.com

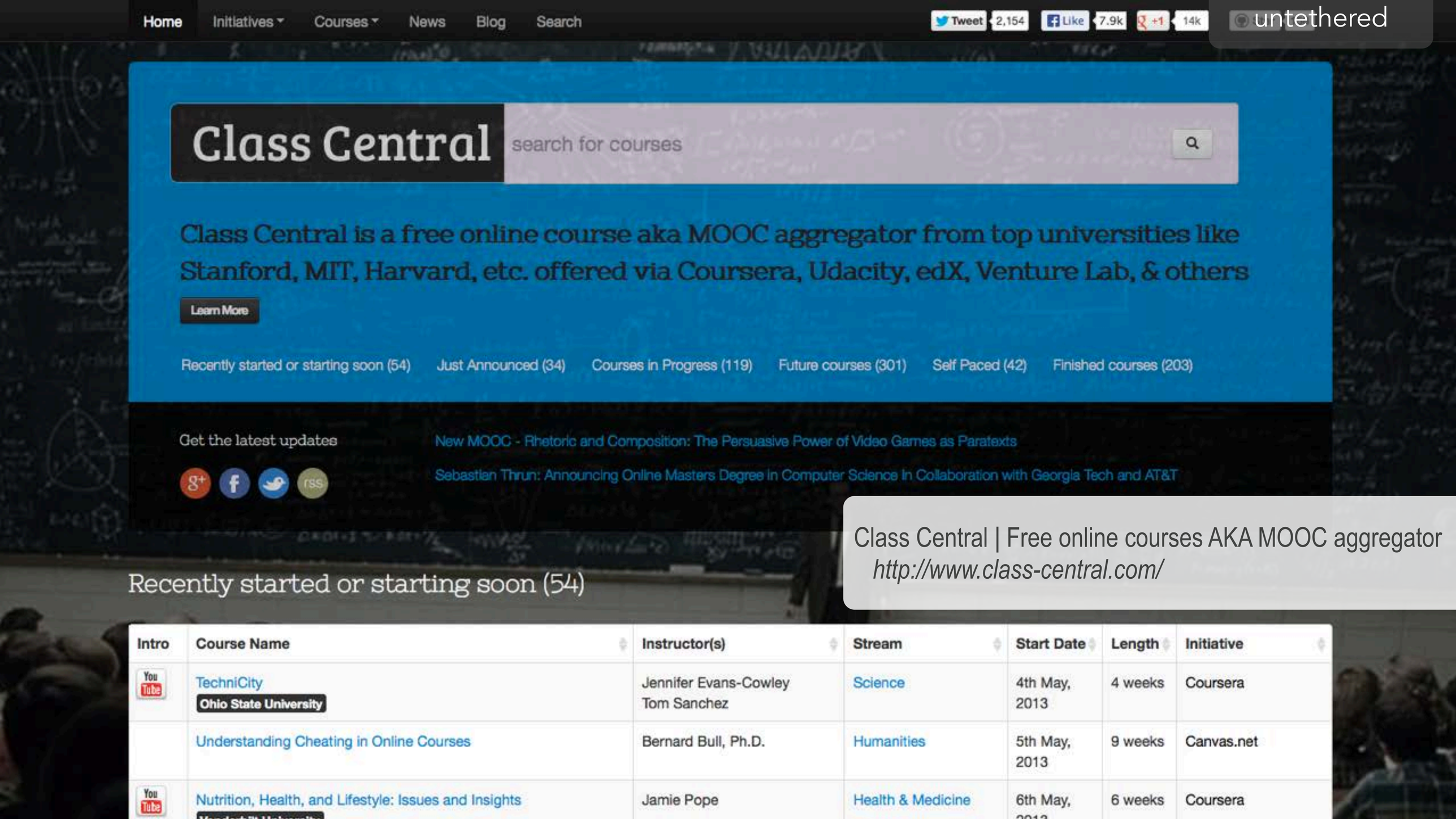
Teaching with the iPad

SETTING UP THE CLASSROOM
CREATING A CLASSROOM RESEARCH PROJECT

with Laurie Burruss

PLAYLISTS are here! The NEW digital bookshelf.
Create a new playlist.
Share a new playlist.
Send to URL link, email, facebook, twitter, linked in.

elearning courses are here!


Home
Initiatives
Courses
News
Blog
Search
Tweet 2,154
Like 7.9k
+1 14k
untethered
Class Central
search for courses
Class Central is a free online course aka MOOC aggregator from top universities like Stanford, MIT, Harvard, etc. offered via Coursera, Udacity, edX, Venture Lab, & others
Learn More
Recently started or starting soon (54)
Just Announced (34)
Courses in Progress (119)
Future courses (301)
Self Paced (42)
Finished courses (203)
Get the latest updates
New MOOC - Rhetoric and Composition: The Persuasive Power of Video Games as Paratexts
Sebastian Thrun: Announcing Online Masters Degree in Computer Science in Collaboration with Georgia Tech and AT&T
Class Central | Free online courses AKA MOOC aggregator
http://www.class-central.com/
Recently started or starting soon (54)
Intro
Course Name
Instructor(s)
Stream
Start Date
Length
Initiative
TechniCity
Ohio State University
Jennifer Evans-Cowley
Tom Sanchez
Science
4th May, 2013
4 weeks
Coursera
Understanding Cheating in Online Courses
Bernard Bull, Ph.D.
Humanities
5th May, 2013
9 weeks
Canvas.net
Nutrition, Health, and Lifestyle: Issues and Insights
Jamie Pope
Health & Medicine
6th May,
6 weeks
Coursera

BROWN

Archaeology's Dirty Little Secrets

Sue Alcock

Admit it — you wanted to be an archaeologist when you grew up... This course builds on that enthusiasm, while radically expanding your notions about just what archaeology is and just what archaeologists do.

Workload: 4-6 hours/week

Sessions:

Jun 3rd 2013 (8 weeks long) Sign Up

Future sessions Add to Watchlist

374 Tweet 226 +1 7.2k Like

About the Course

In this class, we will ask and answer a series of questions about the role and practice of archaeology in the world today. If archaeologists are trained to investigate the past, what is left for us to study? Who gets to be an archaeologist? How and why do archaeologists hunt for "treasures", and what do we do once we've discovered them? What can we know, and not know, about people in the past? What do archaeologists know about the past that most people would never guess – and why aren't we telling you? Why are people entirely willing to murder each other over the fate of archaeological sites? Are Real Men alone capable of discovering the truth behind all this?

Archaeology famously involves getting dirty in the line of duty. Students will experience its hands-on nature, through the use of numerous exercises and archaeological case studies. But there are other 'dirty little secrets' to learn about the field: not least how the stories archaeologists tell about the past have been used and abused, for purposes both good and bad. Our goal by the end of the course is to have you 'thinking like an archaeologist' and fully aware of the often-fraught politics of doing archaeology around the globe.

About the Instructor

Sue Alcock
Brown University

https://www.coursera.org/course/secrets

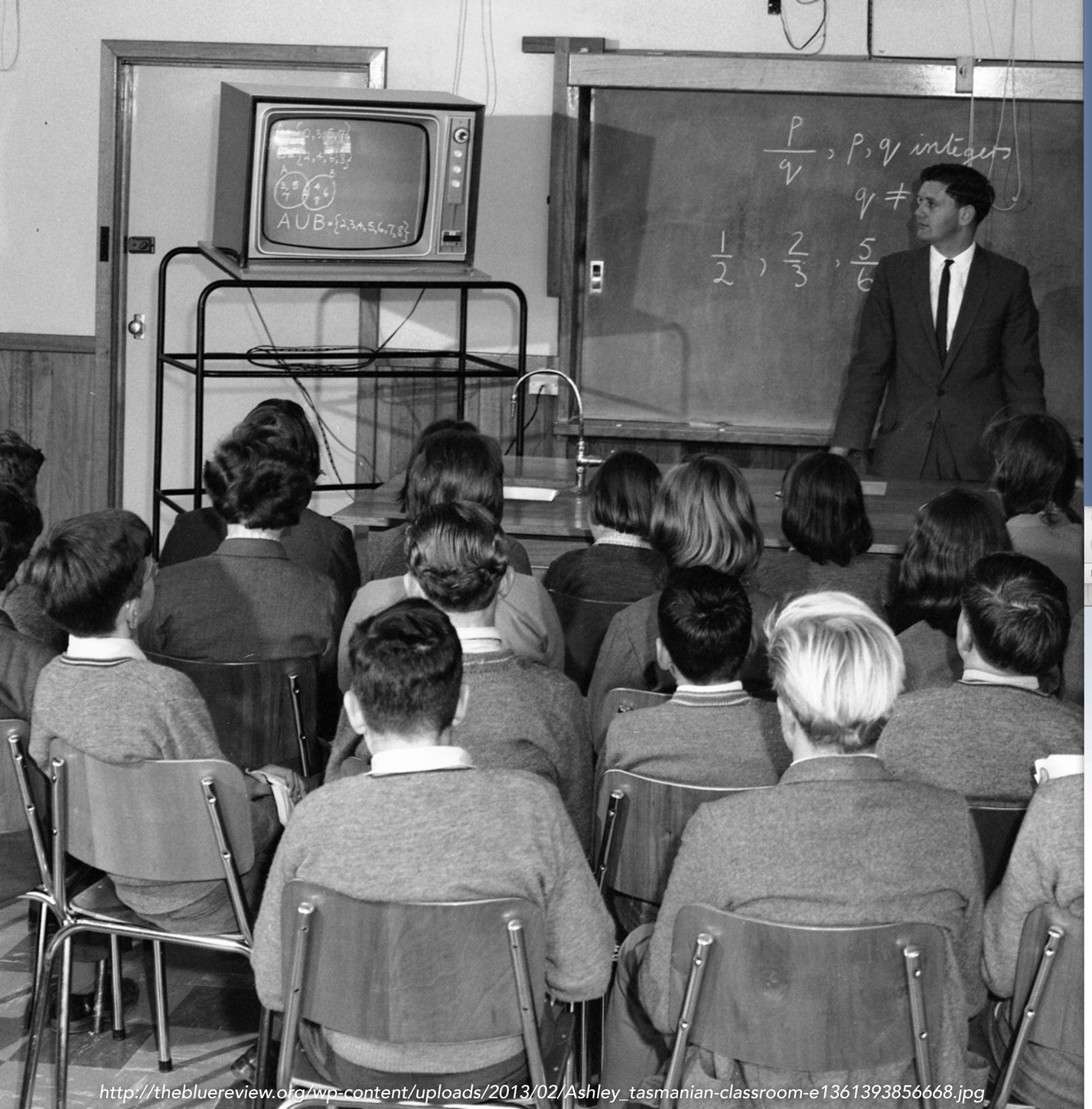
moocs

archiving our educational "national treasures"

quality
large production teams
essential nuggets of lectures
short, bite size
academic "stars"
pedagogy & rigor
(ivy league for all)

tethered

http://photostream.iastate.edu/public/000/0456/456-large-87f93ca88853c9d3.jpg



http://thebluereview.org/wp-content/uploads/2013/02/Ashley_tasmanian-classroom-e1361393856668.jpg

untethered

CLASSROOMS

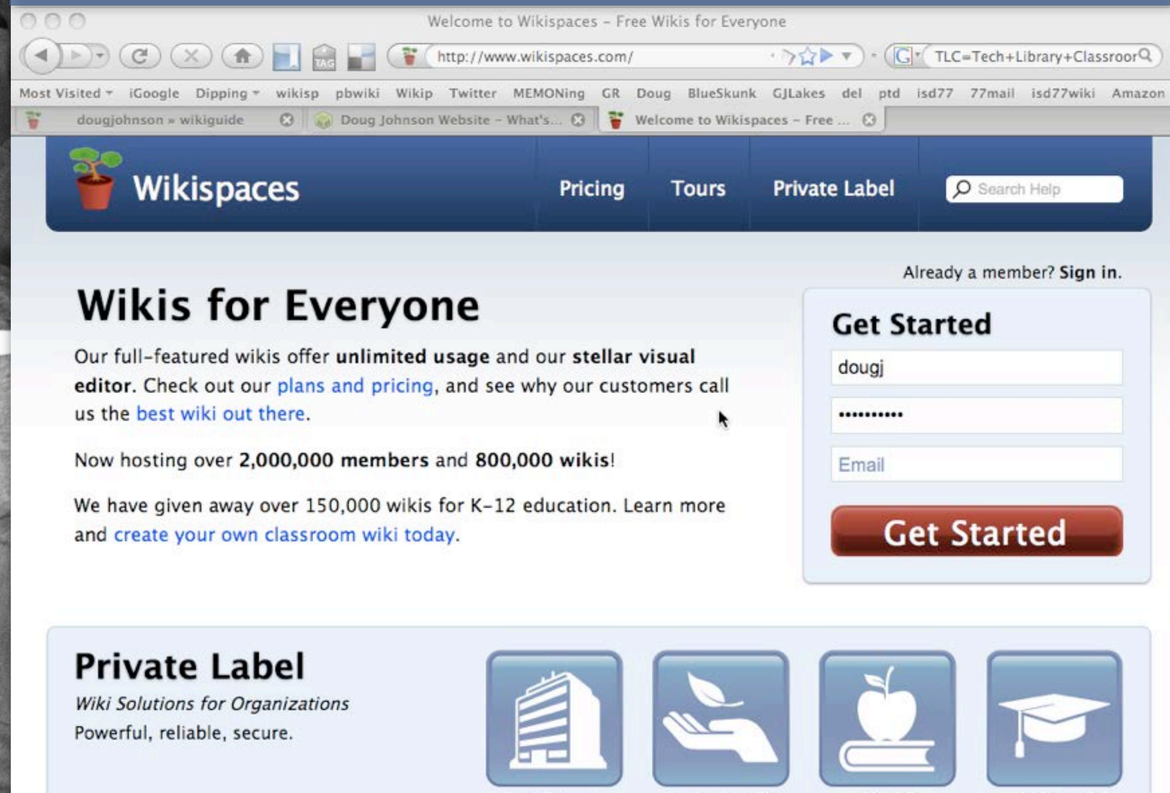
then (1950) > now (2013)

enter the Learning Management System (LMS)

wikispaces.com

RESULT:

classroom management
project-based learning
safe social networking
knowledge communities
(that live beyond the semester)
online & remote learning



untethered

home

Welcome to art31a: 2D Design! - Portfolio Check on Wed Feb 27! (all project so far)

Print Invented Alphabet; turn in Color Studies - Monday April 29 8 am - 10 am
FINAL: MAY 01 - 8:00 - 10:00 AM

- FINAL PROJECT: INVENTED ALHABET
- PORTFOLIO CHECK
- BRING FOOD!

Sarah's Snapguide

SARAH - MOST POSTS FOR HER SNAPGUIDE 3800+ CONGRATULATIONS http://snp.gd/tbccoi Post work on snapguide_learning!

DUE April 22 Mon: Color Studies - Bring paints, brushes, mixing palette, water container, index cards and glue!
See project handout on Projects page.

Congratulations!

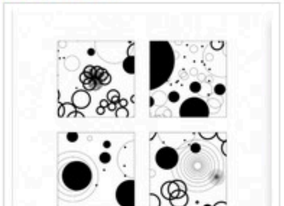
=

=

Presentations on Color Contrasts were excellent; see wiki pages to dive deeper!

COLOR WHEEL FROM LIFE

DOTS: Part II



CHALLENGES 31A SP13

JAN 14 MON: **The Internet Mapping Project** (use handout from class using any media that you would like) - DUE Wed Jan 16

CLASS INTERNET MAPPING BOOK (pdf)
31a_sp13_Internet_Mapping_opt.pdf
Details Download 3 MB

- The Internet Mapping Project: http://www.kk.org/ct2/2009/06/the-internet-mapping-project.php
- Internet Mapping Project from Kevin Kelly (slideshow): http://www.kk.org/internet-mapping/
- The Opte Project: http://opte.org/maps/
- The Internet Map (data visualization): http://www.cheswick.com/ches/map/gallery/wired.gif
- Downloaded PDF Template:

internetmapping.pdf
Details Download 24 KB

JAN 09 WED: **Squares & Colors:** Primary & Secondary Palettes

- Group_01: 1 Primary + 3 Secondary Colors
- Group_02: 2 Primary + 2 Secondary
- Group_03: 1 Secondary + 3 Primary

01Favorite Wordpress Sites

01
Name: Nyrahs on Wordpress
URL: http://nyrahs.wordpress.com/
What makes it a favorite for you? I love the way the photos are delicately composed to show a variety of her travel spots. It's personal but very interesting to people who love to travel.
On a scale of 1–5, five being the highest, what is your rating for this site? 3
Author: JK 9/1

02
Name: Parma Golosa Italian Food Wine Blog
URL: http://gustoitalia.wordpress.com/
What makes it a favorite for you? Italy was one of my most favorite countries to visit. Everything about the food fascinates me. When someone can present it in a sophisticated way, it keeps attentive and I return to see any updates.
On a scale of 1–5, five being the highest, what is your rating for this site? 3
Author: JK 9/1

03
Name: Christopher's Wine and Cheese Blog
URL: http://christopherswinecheese.wordpress.com/

What makes it a favorite for you? I love wine and cheese. It recommends several types of wines and describes how it can be paired along with food and wine. I'm not too in love with the desig the template but it's still a good reference.
On a scale of 1–5, five being the highest, what is your rating for this site? 2
Author: JK 9/1

04
Find one WordPress site–self-°©-hosted (not on wordpress.com) that you like.
Name: The Sartorialist
URL: http://www.thesartorialist.com/
What makes it a favorite for you? I love the way this photographer sights trends and anything to do with style. He documents each photo a day according to location and so many viewers will comment because they can relate to the style, love it, and say something interesting about the trend.
Author: JK 9/1

wikispaces:
online research, polling, surveys

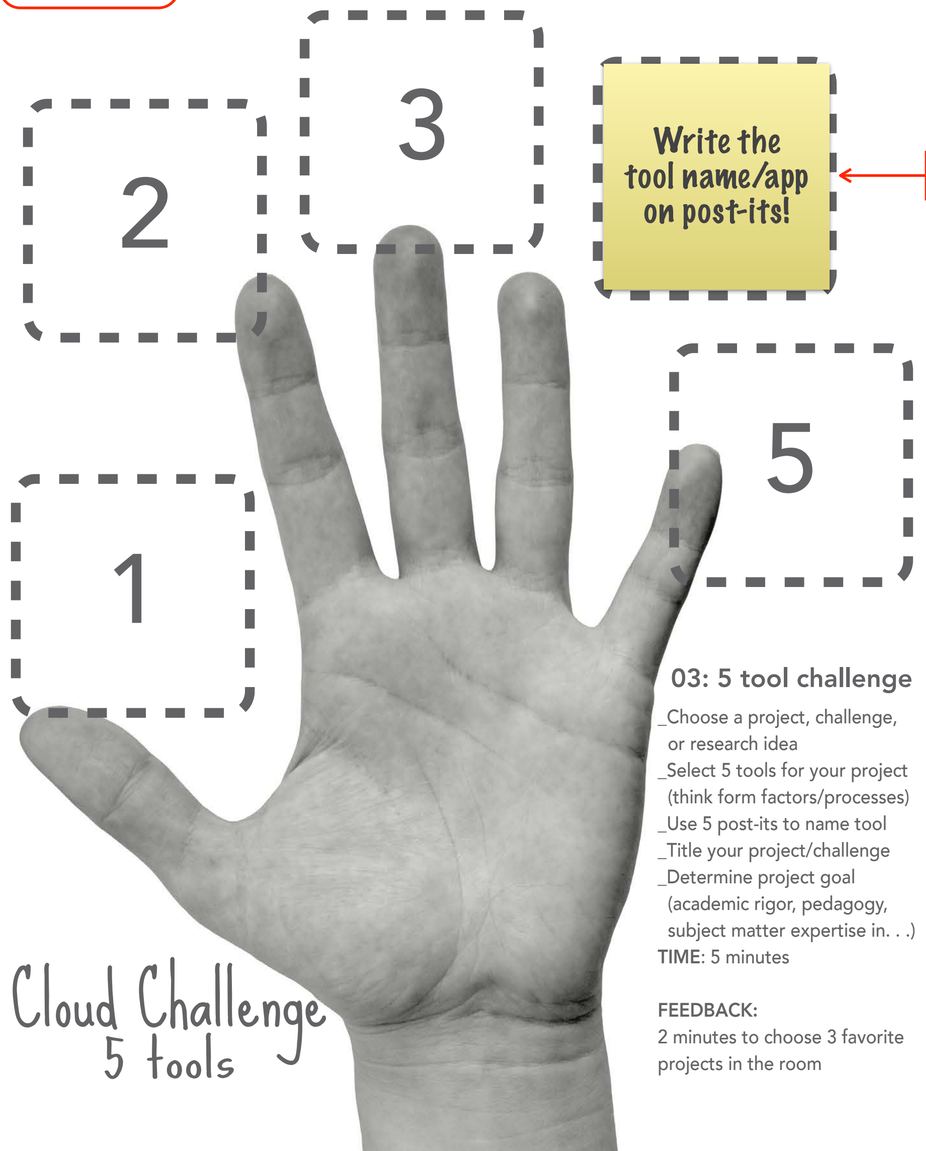
ANNOTATION

Wikispace Discussion: Your 10 Favorite Wordpress Sites (name, URL, your favorite reasoning, rating, initials, post-date): Design for the Internet, Art 198, Pasadena City College, Instructor, Laurie Burruss, Fall 2011: *https://art198.wikispaces.com/Favorite+WordPress+Sites*.

Your Turn: Exercise 3 - choose 5 tools for your project

Project/Challenge: _____

Why?What?How?: _____



Pen - Pencil - Post-its

03: 5 tool challenge

_Choose a project, challenge, or research idea
_Select 5 tools for your project (think form factors/processes)
_Use 5 post-its to name tool
_Title your project/challenge
_Determine project goal (academic rigor, pedagogy, subject matter expertise in. . .)

TIME: 5 minutes

FEEDBACK:
2 minutes to choose 3 favorite projects in the room

Point-of-view: Teacher/Professor

5 minutes

rethink experiences

rethink experiences
create a strategy

rethink experiences

rethink experiences
define the goal

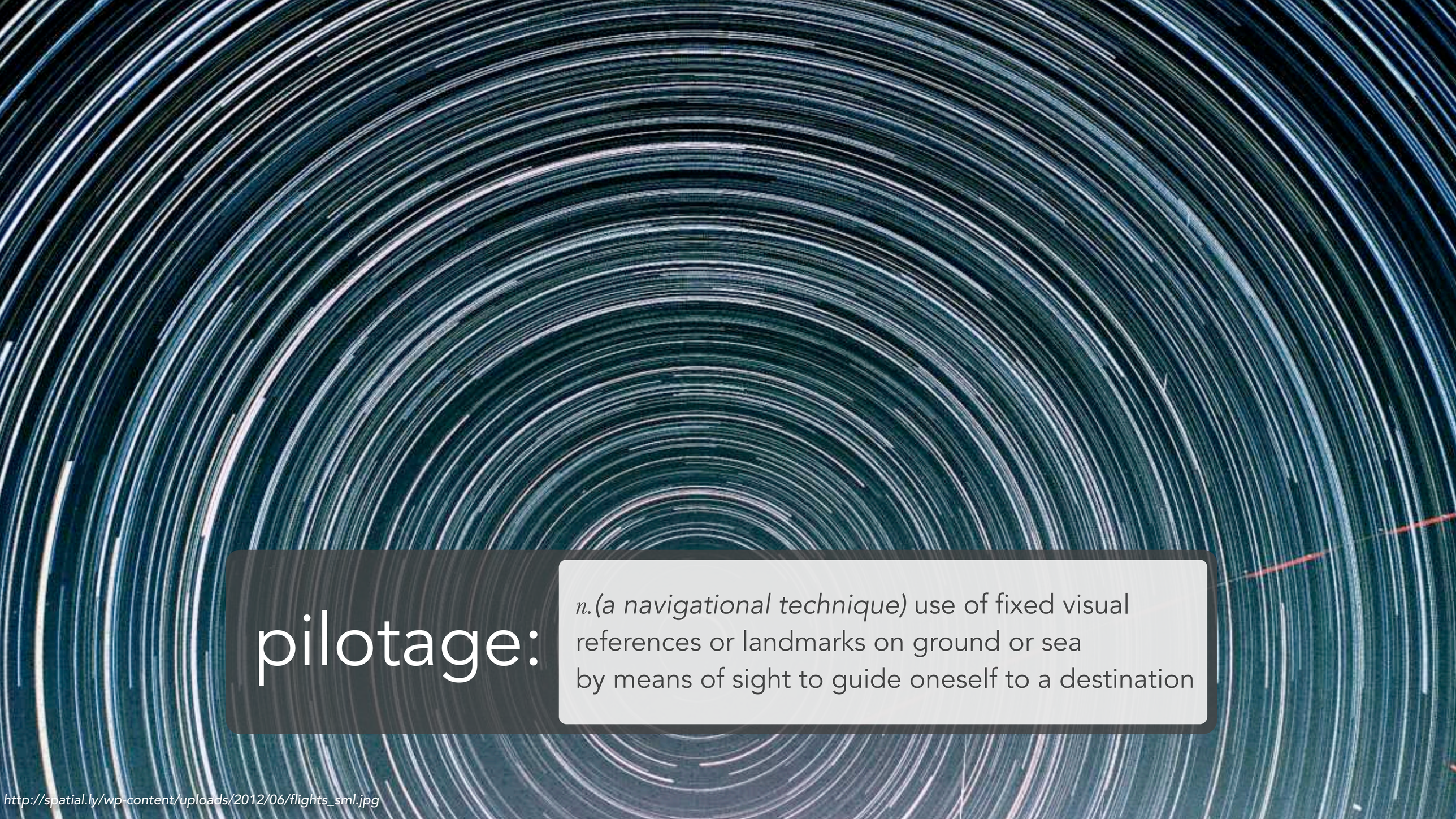
What actions/experience can I design here? Give them meaning & context.

rethink experiences

rethink experiences
select the tools

rethink experiences

rethink experiences
build them



pilotage:

n.(a navigational technique) use of fixed visual references or landmarks on ground or sea by means of sight to guide oneself to a destination

http://spatial.ly/wp-content/uploads/2012/06/flights_sml.jpg

Losing Our Way in the World

By John Edward Juthe, Porfessor of Physics, Harvard
***New York Times,** July 20, 2013*

Over time, I was able to orient myself at night by stars, and during the day using shadows cast by trees.

Acquiring these skills wasn't a matter of armchair learning. It was a process of getting outside, observing and creating a kind of mental scaffolding to organize my observations.

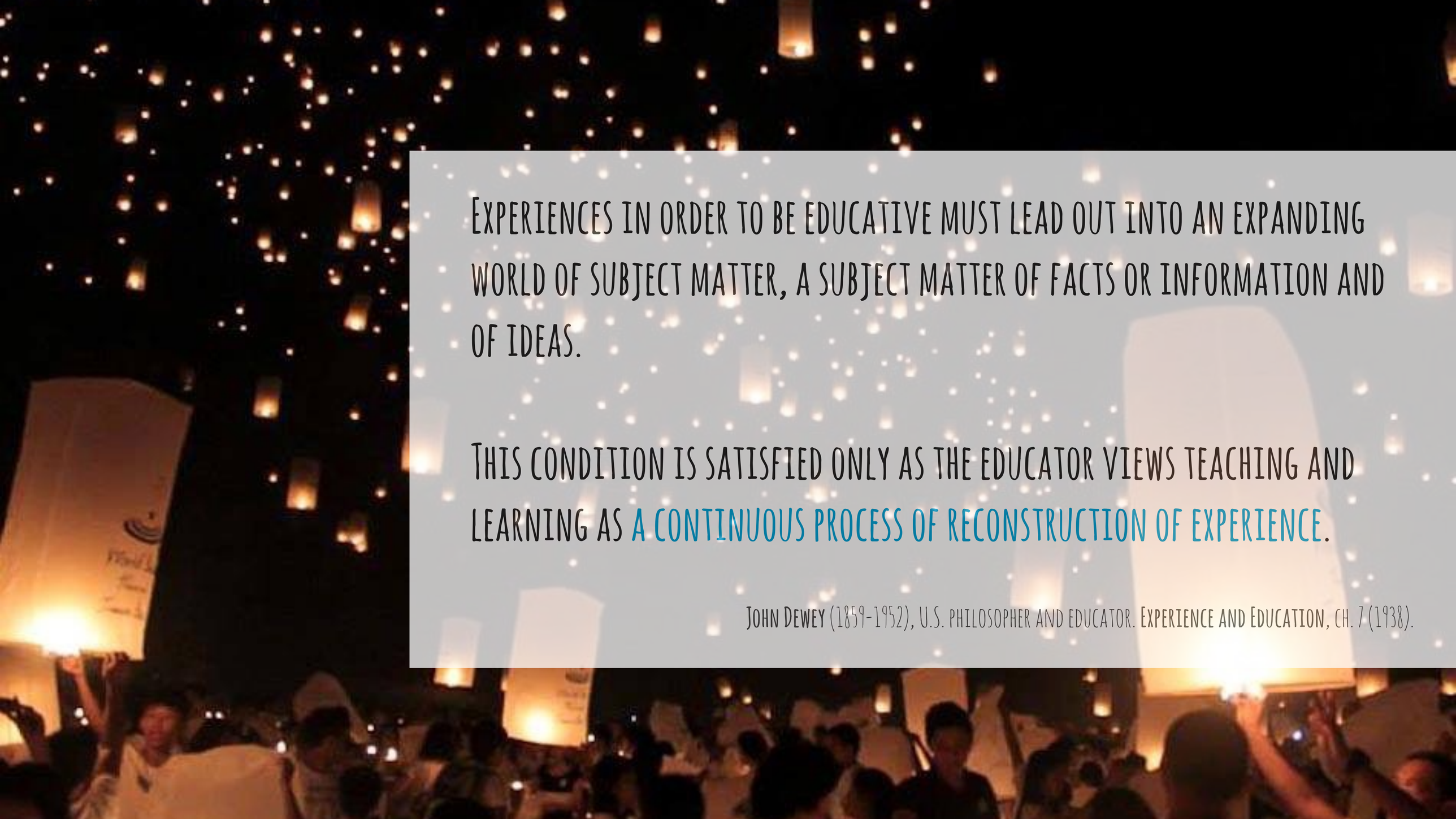
After a year of this endeavor, something dawned on me: the way I viewed the world had palpably changed. The sun looked different, as did the stars.

http://www.nytimes.com/2013/07/21/opinion/sunday/losing-our-way-in-the-world.html?ref=contributors&_r=0

http://spatial.ly/wp-content/uploads/2012/06/flights_sml.jpg

perception

http://www.museoreinasofia.es/en/collection/artwork/celestial-navigation-birds



Experiences in order to be educative must lead out into an expanding world of subject matter, a subject matter of facts or information and of ideas.

This condition is satisfied only as the educator views teaching and learning as a continuous process of reconstruction of experience.

John Dewey (1859-1952), U.S. philosopher and educator. Experience and Education, ch. 7 (1938).

Laurie Burruss

Sr Director of Education

lynda.com

laurie@lynda.com

All images not annotated: **stock.sxchng** *version 6.0 http://www.sxc.hu/*