

The Power of Pull – a platform approach to learning



how small, smart efforts can set big things in motion

iPhone/iPad as platform: a few apps prime to pump.
now 145,000 apps growing by the minute.

Architecture of Participation

Gov 2.0 + Learning 2.0

↑
Push ==^{shift}==> Pull

in a world of increasingly rapid change,
the half life of a given skill is
constantly shrinking

& the predictability of future needs is
increasingly less certain!

Stocks $\xrightarrow{\text{shift}}$ **Flows**
Forecastable/predictable
seeking scalable efficiency participating
in knowledge flows



Affording Curiosity

Mobile devices as curiosity amplifiers.



Ages: 2 & 5

A modern day meal augmented by pull
(pulling resources on demand)

Hmmm – northern Italy, not France
found by poodles, not pigs!

White truffles?
Where are they found?

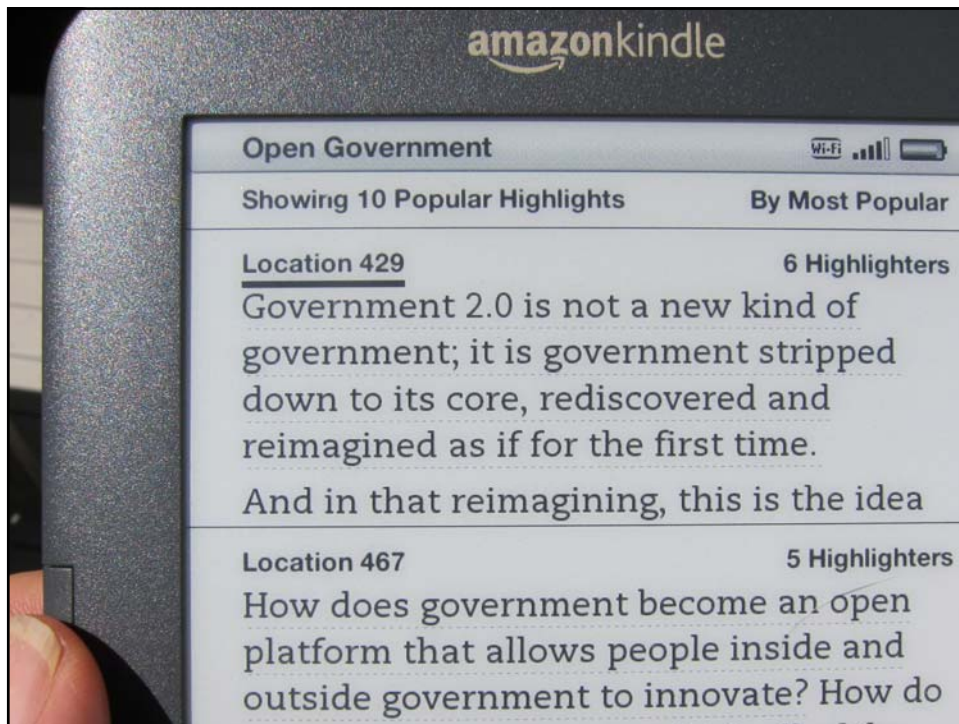
why?



and so started a fascinating conversation



Can books and libraries
get better the more
they are used???



Your reading can contribute to others
with no extra work on your part.

&

You can see what others thought
was really important



Hmmm, might also help
meet the challenges of the
attention economy.

(well, maybe)

Startl  - an accelerator/incubator

Startl + IDEO

Design Boost is a four day bootcamp for prototyping digital learning products.
(targeting Android, iPhone, iPad, Symbian & blackberry)



HACK > BUILD > CREATE
Startl Design Boost Mobile
Calling for early stage mobile innovations
for all kinds of learning
NOV 10 -14, 2010
San Francisco **APPLY NOW**



Project Noah | Networked Organisms and Habitats - Mozilla Firefox

http://www.networkedorganisms.com/

Project Noah | Networked Organisms and Habitats

noah
Networked Organisms and Habitats

Map My Noah Organisms Missions About

All Plants Mammals Birds Invertebrates Fungi Reptiles Amphibians Fish Pets Other

4017 spottings on the map.

Go to location

Map Satellite Hybrid Terrain

Project Noah | Eastern Dobsonfly

Welcome, would you

noah
Networked Organisms and Habitats

Map My Noah Organisms M

Eastern Dobsonfly

Lat 41.8

Done

The Key

amateurs, experts, kids, adults
all working together.

with both
expert & peer mentoring



Cool, but can learning 2.0 ideas be
applied to university level work?

Connexions (cnx.org)

1000 open textbooks/courses
16400 Lego modules

from contributors *worldwide*
in many languages

free on-line
low-cost print

funding
HF, NSF, OSI, ...

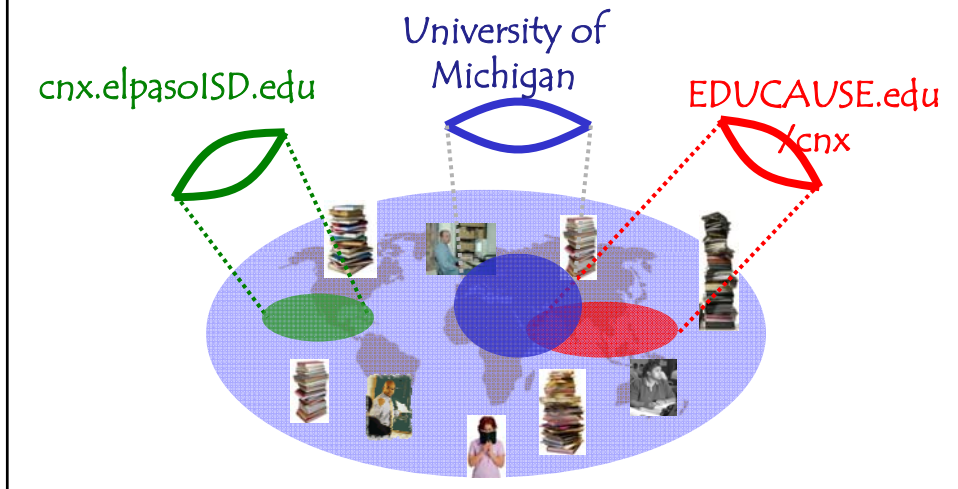


usage per month:
1.7 million unique users
77 million hits
from 190 countries

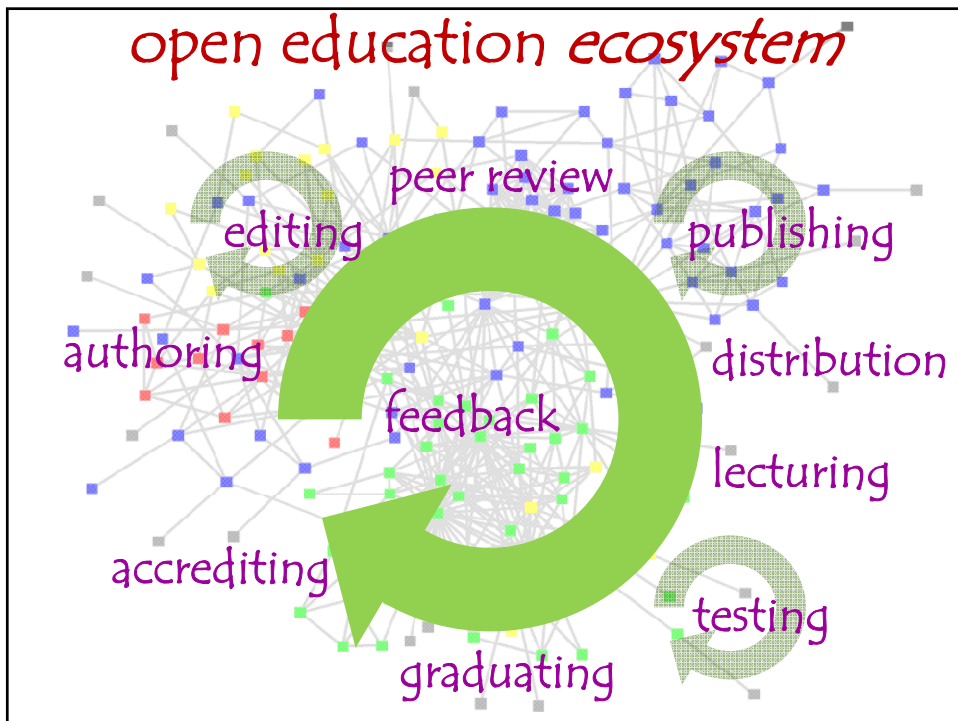
Why believe all this open material?

Lenses

social software for peer review



open education *ecosystem*



Extend Social Learning Beyond Classroom into Digital Textbook as Platform – Gooru: alpha Google

The diagram illustrates the Gooru digital textbook platform on a tablet. The central tablet shows a page titled "Active Volcano Map of the World" with a volcano illustration and text. Surrounding the tablet are eight callout boxes, each pointing to a specific feature of the platform:

- Content from Publishers / OER**: Points to the top navigation bar.
- Notes reflowed as Docs Shared with Classmates**: Points to a yellow sticky note on the right side of the screen.
- Rich gadgets from 3rd Party Developers**: Points to a small video player or interactive element on the right.
- Auto Updates with Studying Status**: Points to a green sticky note on the right side of the screen.
- Studylist Suggested by the teacher**: Points to a list of items on the left side of the screen.
- Replay and Review Classroom Events**: Points to a video player showing a teacher at a chalkboard.
- Annotate with Notes, Highlights, Underline**: Points to a highlighted section of text on the main page.
- Ask Professor / TA questions**: Points to a "start a Wave" button on the right side of the screen.
- Auto-Suggest Content and Lookup References**: Points to a search bar at the top of the page.
- Chat with Classmate to discuss Topics**: Points to a chat window at the bottom right of the screen.

17

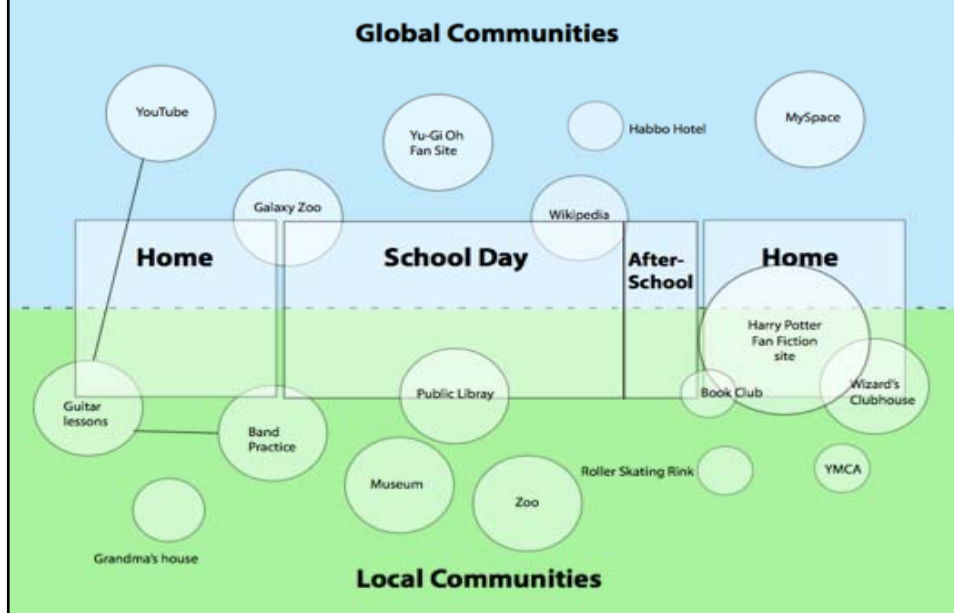
Open learning ecosystems

“The school is not and cannot be . . . the exclusive provider in a community’s educational system. . . . There is not one agency, but an ecology of institutions educating — school, home, places of worship, television, press, museums, libraries, businesses, factories, and more.” —

John Goodlad, 1984

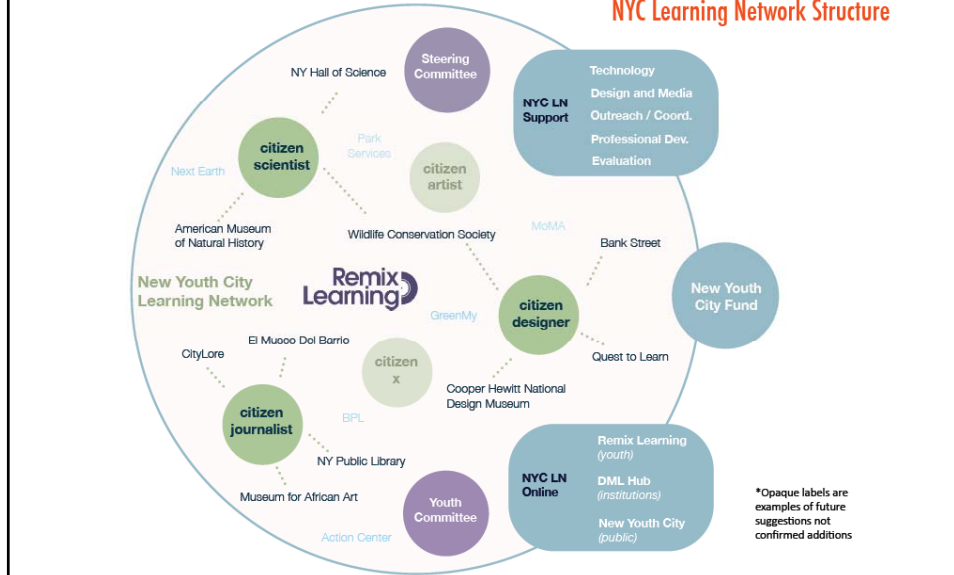
Kids learning anywhere, anytime

Snapshot of a Student's Life



Shifting from centering institutions to centering youth around interest-driven learning communities

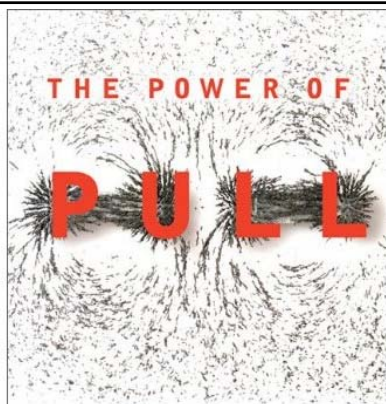
NYC Learning Network Structure





remember
what we have all learned
(often the hard way)

keep it simple and let it evolve
Tim O'Reilly



How *Small Moves, Smartly Made,*
Can Set *Big Things* in Motion

John Hagel III, John Seely Brown, and Lang Davison



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Ann Pendleton – KSA/OSU

The New Culture of learning—cultivating imagination
October, 2010. Doug Thomas & JSB