Re-Imagining Dewey for the 21st Century



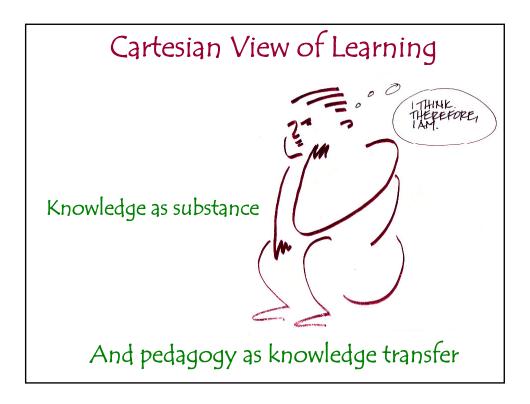
Learning in/for the Digital Age where engagement matters even more

A 21st Century Challenge: preparing students for a world of constant change!



Hmmm, perhaps we need to rethink what we need to learn, how we actually learn.

leveraging how the net-generation thinks, works, learns, socializes – might social media also be our friend?



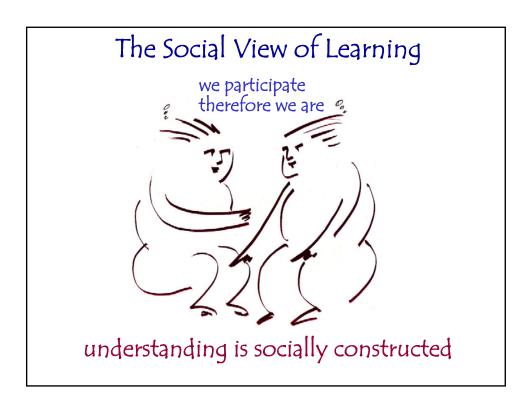
If we think of learning like this... change will be resisted



"The delivery model: I teach – you learn"



"Cultivate the neat rows of disciplinary knowledge"

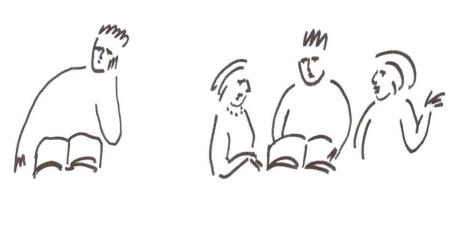


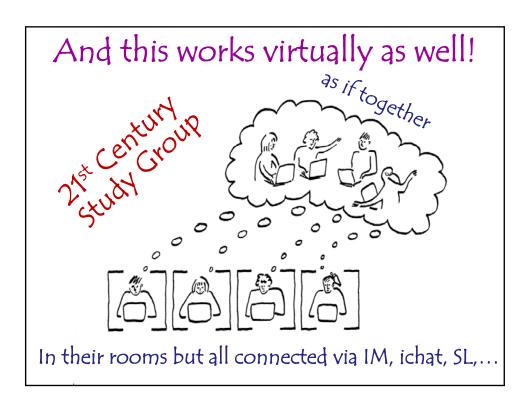
Suggesting we view learning more like this



"We learn in and through our interactions with others and the world"

Nothing Beats Collaborative Study Groups – especially around homework & exam preparation. The social construction of <u>understanding</u> is real.



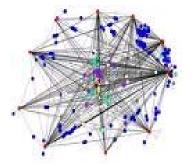


Why can't we turn everyone into being both a learner & a teacher?



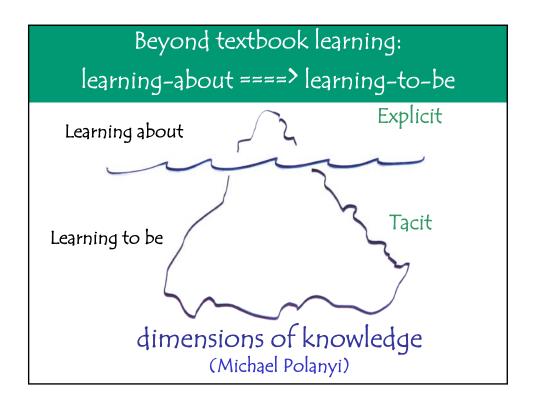
Nothing clarifies ideas better than explaining them to others.

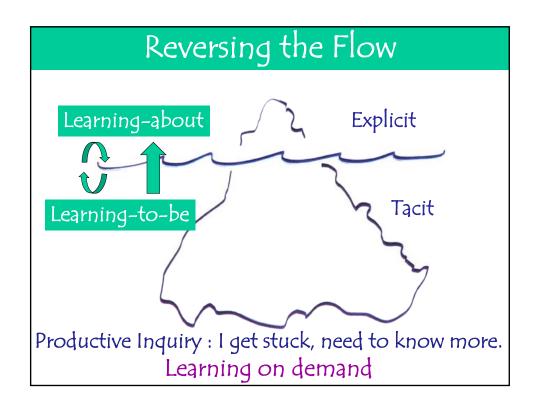
And in social networks across communities/friends



Blogs - Facebook - MySpace - SecondLife, ..

Now study groups or just plain bull sessions can naturally extend to peer groups galore inside and outside of school





So what kind of learning is in tune with the net-gen and Dewey?



Life in the Digital Age – A culture of participation: Building, Tinkering, Remixing & Sharing





Creating meaning by what I produce and others build on – a remix, open source culture.

Mix, Remix & Mashup

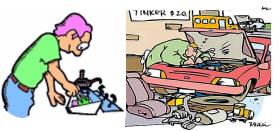
creative tinkering & the play of imagination

But it can also be 'creative reading' like in fandom - fans filling in the back story in highly imaginative ways.



Ah, creating meaning by integrating their imagination with that of the 'author' in remix.

Tinkering as a learning platform and its death and rebirth as remix, mashups, etc





Noun 1. tinker – a person who enjoys fixing and experimenting with machines and their parts.

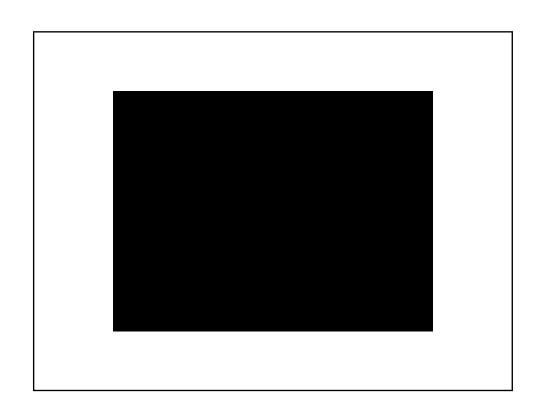
tinkerer as experimenter: a person who enjoys testing innovative ideas;

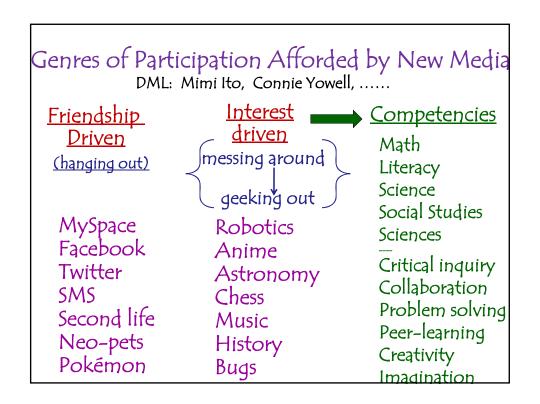
"she was an experimenter in new forms of poetry"

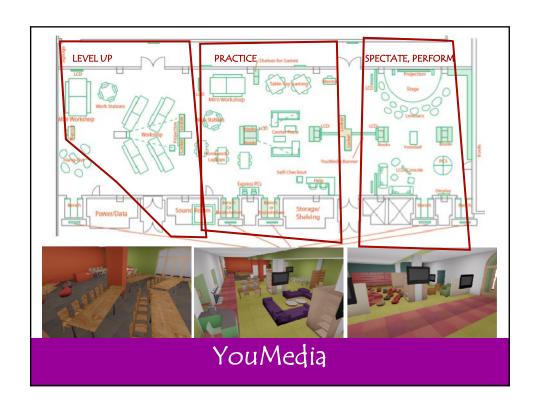
The Art and Expressiveness of Remix













The Long Tail in Learning: leveraging the vast resources on the net

Moving beyond limited "shelf space" and local communities of practice

Supporting the rise of an ecology of learning/doing niches

Ah, I am passionate about this niche topic. I want to learn/do more!

MicroObservatory Network (Harvard-Smithsonian Center for Astrophysics) 5 self-contained, weatherized reflecting telescopes with CCDs deployed around the world.





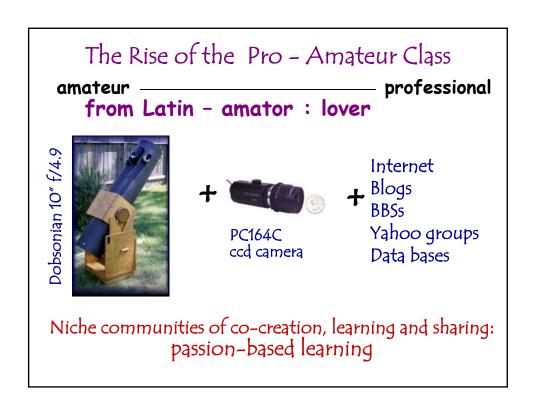


Dimock Community Center

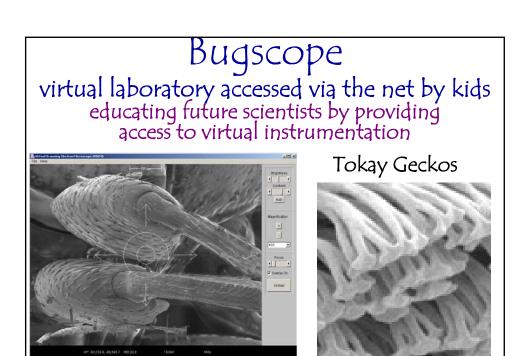


dimension, for example, is 110 light-years in that if you were traveling at the speed of ligh some 110 years to travel from one side of the

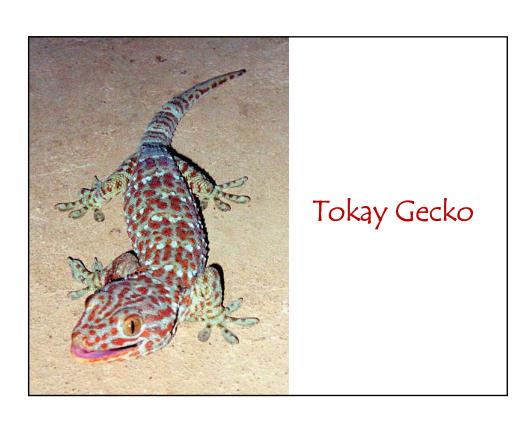
Along with the Orion nebula, the Lagoon is nebula faintly visible to the naked eye in the







Virtual Scanning Electron Microscope



Uncle Tom's Cabin & American Culture

WELCOME! You can use this site in three different modes.

BROWSE MODE 1 A key thrust here:

SEARCH I is a sense of doing history as an act of uncovering...

"ask what got uncovered

Usually the b access to the a quick overv Throughout t

rather than site, the best what got covered" e. You can

al exhibits orimary cts.

he most direct . If you're new to the ODE, which provides e archive contains.

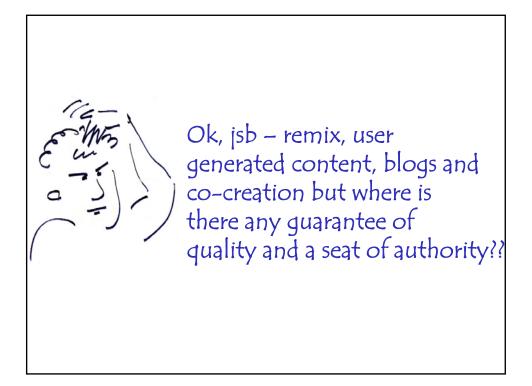
IATH site



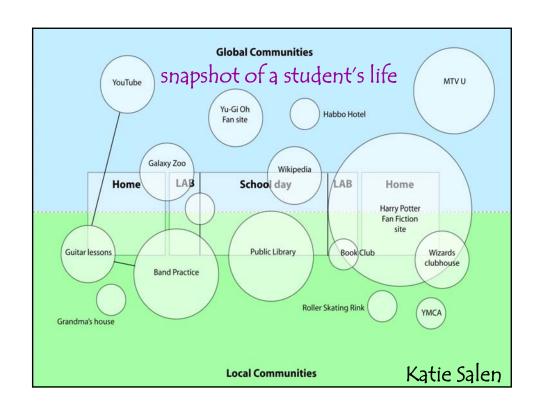


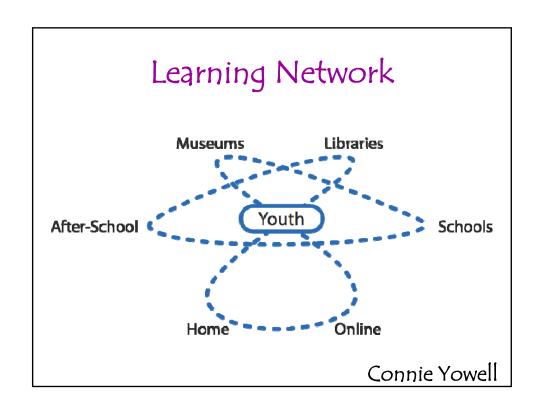




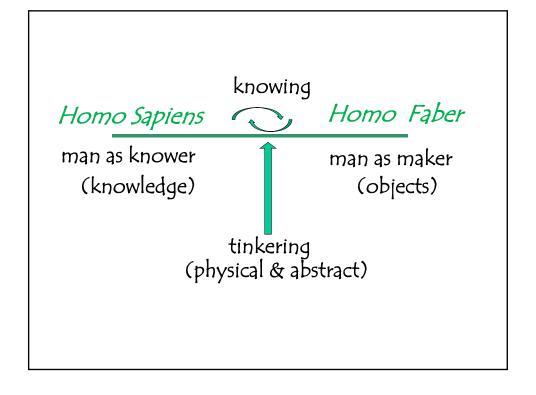








A Blended Epistemology Homo Sapiens (hu)man as knower Tools as instrumental Homo Faber (hu)man as maker Tools as productive inquiry



Casual vs. Deep Tinkering

Casual Tinkering - a form of messing around

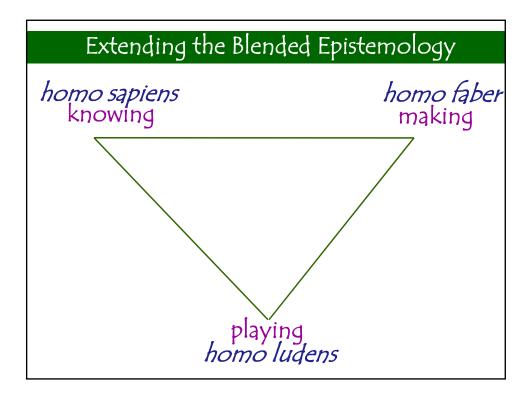
Deep Tinkering
know how/what can be pushed around,
rearranged, repurposed, modified
intimate familiarity with material at hand
embodied immersion
instinctual, not accidental
deeply situated

deep tinkering ==> indwelling ==> constructing the tacit dimension

Deep Tinkering

developing a gut 'feeling' for systems know how/what can be pushed around, rearranged, repurposed, modified developing an intimate familiarity with material at hand embodied immersion developing an instinct deeply situated (attending from vs. attending to)

deep tinkering ==> indwelling ==> constructing the tacit dimension



homo ludens a highly nuanced concept of play

- as in freedom to fail, fail and fail again and then get it right: think of extreme sports...
- as play of imagination poetry
- as in an epiphany suddenly falling in place as in solving a riddle.



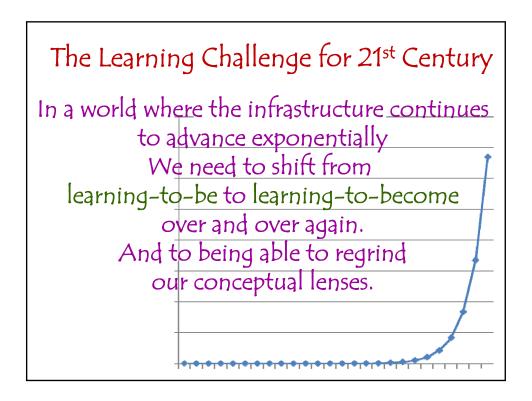
Learning as "riddles" leading to a reframing or registering the world

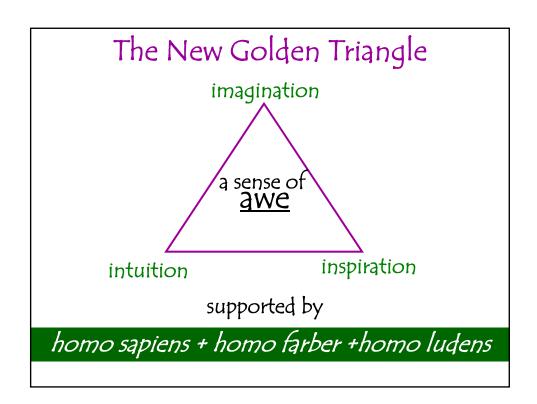
A Simple Reframing

A black dog is sleeping in the middle of a black road that has no streetlights and there is no moon.

A car coming down the road with its lights off steers around the dog.

How did the driver know the dog was there?





When recreation becomes an act of re-creation/remix & productive inquiry

Culture of Learning
a culture that thrives on participatory life long learning and perhaps the ultimate sustainability model.

Thank You

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