

Reimagining Learning for a world of constant change

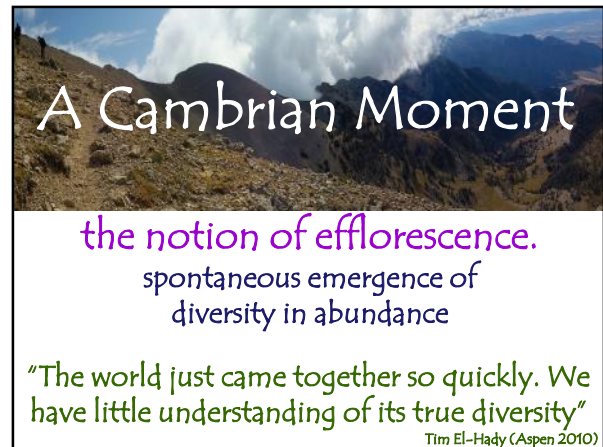
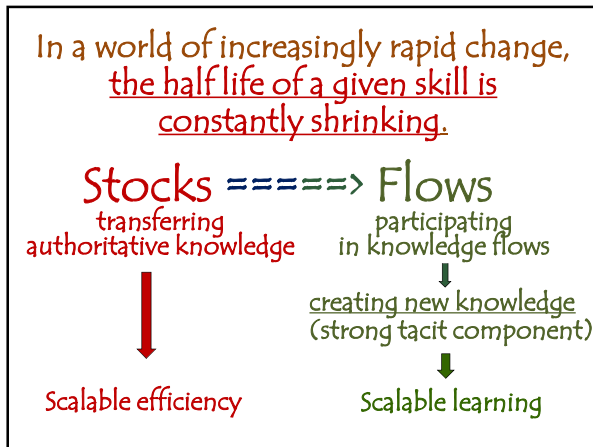
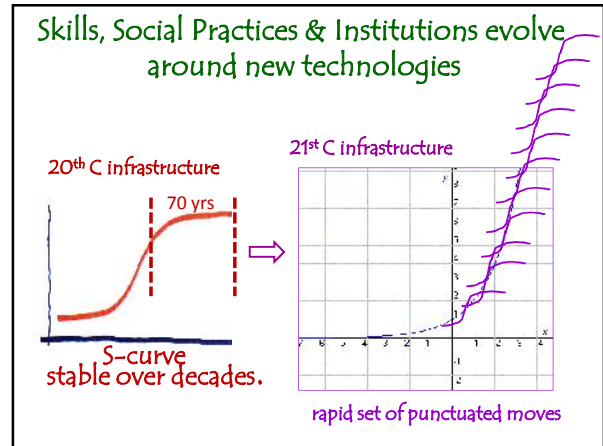
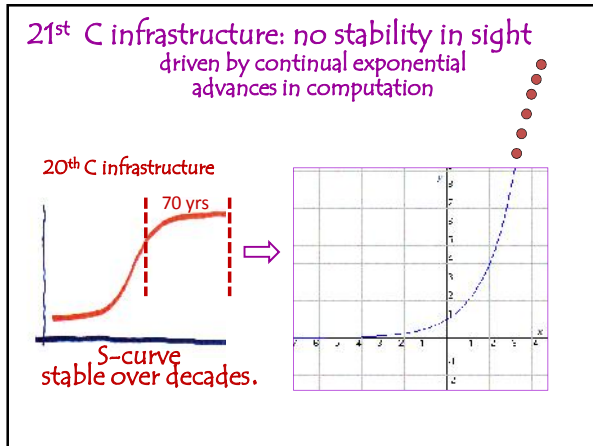


A Blended Epistemology
john seely brown + ann pendleton-jullian

Three images
that have shaped
my current view of learning



our current context



profile for the 21st century
resiliency

"resilience has to be built into our systems in
advance, like a strong immune response . . .
resilience will be the defining concept of the
21st century." (Joshua Cooper Ramo)

"in really complex systems, wealth should be measured not in money
or power but rather in the ability to change and adapt. This sort of
wealth sets limits for what is possible – it determines the number of
alternative options for the future . . . You should measure what you
have, in other words, by what you can do." C. S. Hölling

profile for the 21st century

agency

both warrior and mystic
operating on the world
embedded in the world
digital and present in the world

with empathy

but how do we get there?

shifts relative to learning

learning on demand
problem based, context embedded
collaborative and multi- disciplinary
peer based
widely networked
arc of life learning

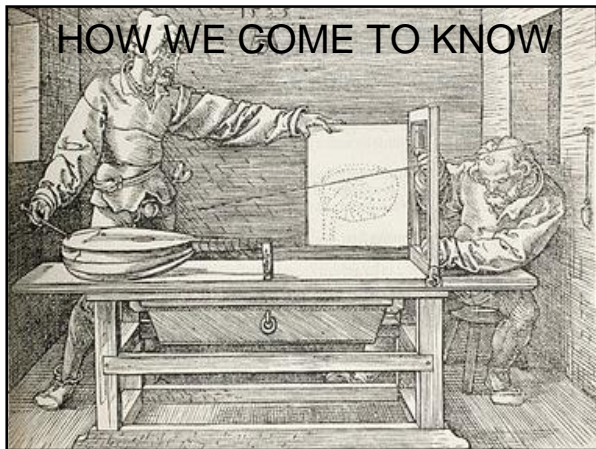
But also note:
dispositions are now at least as important
as knowledge and skills.
dispositions = tendency to do something in a particular way,
radically contingent, comes into play in response to context

we can understand learning as
having three dimensions

content -----> can be taught
self ('books' & digital platforms)
study groups / communities of practice
sage on stage (lecture / seminar)

skills -----> can be mentored
expert mentoring
peer to peer mentoring
reverse mentoring

dispositions -----> can be cultivated
marinating in
emergence of the collective



Three different epistemologies

homo sapiens
man who knows

Three different epistemologies

homo sapiens
man who knows

↔

homo faber
man who makes


Three different epistemologies

homo sapiens
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man who makes

- use of tools for productive inquiry
- Maker Movement




Three different epistemologies

homo sapiens
man who knows

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homo faber
man who makes

- use of tools for productive inquiry
- Maker Movement
- making with new methods (3D printing)
- scaling
- agency



A new Industrial revolution in 3-D?

Three different epistemologies

homo sapiens
man who knows

↔

homo faber
man who makes

↙ ↘

homo ludens
man who plays

- probing & pushing boundaries
- invention within a space of rules

Play is a space of invention and permission

Based in reality but different from reality.
Play is a release from normal physics and consequences.
Play creates a space to try out new things.

Homo Ludens

a highly nuanced concept of play

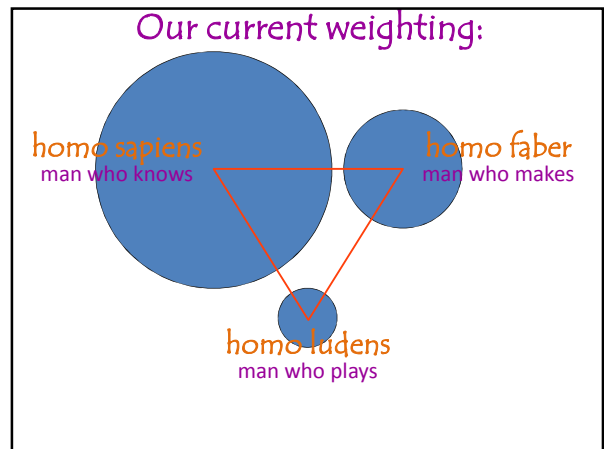
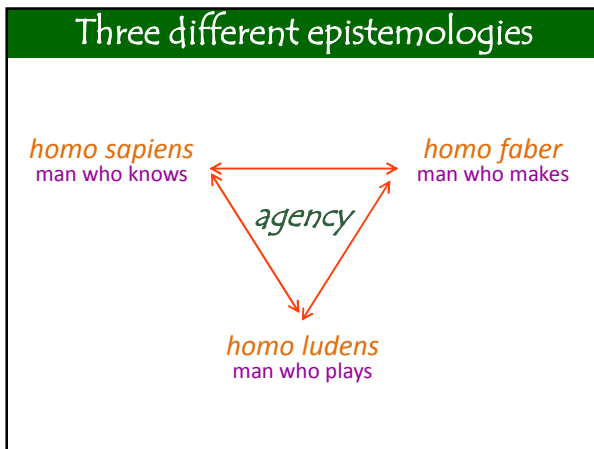
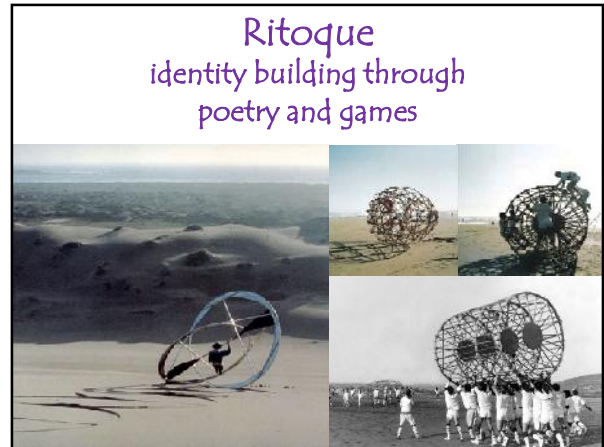
As in permission to fail, fail and fail again, then get it right. think of extreme sports.

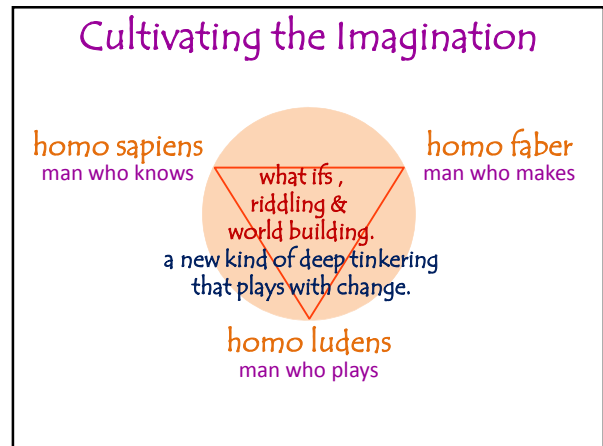
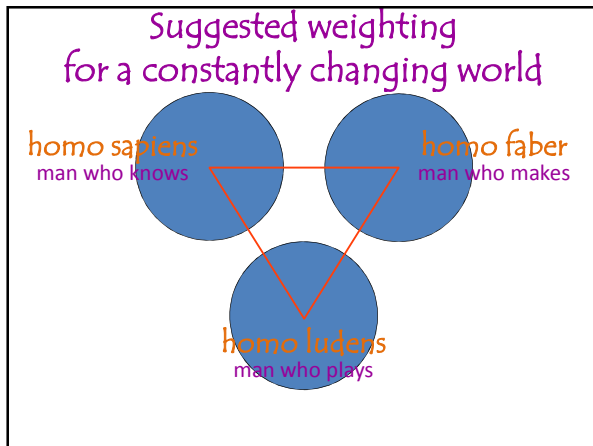
As in play of imagination – poetry.

As in an epiphany – suddenly falling in place as in solving a riddle.

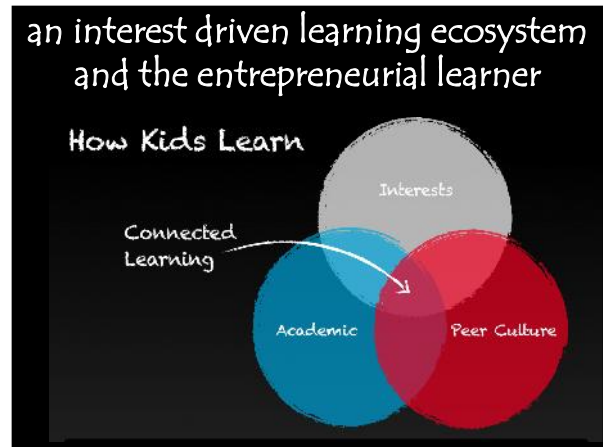
Play is the progenitor of culture & innovation.

Johan Huizinga





So how do we re-balance and integrate?



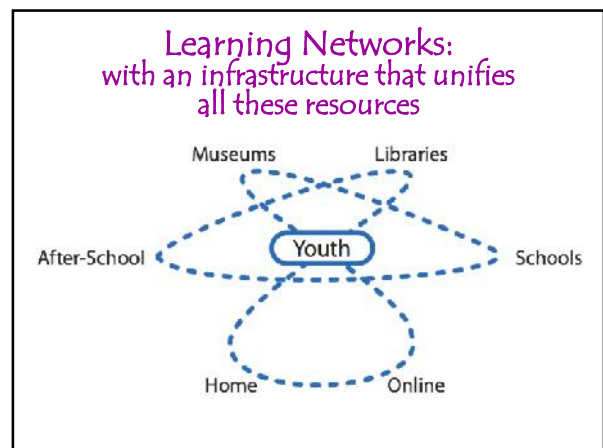
Dispositions of an entrepreneurial learner.

curiosity – driven by awe

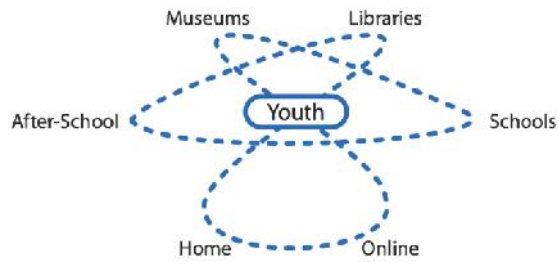
questing – seeking, uncovering, probing ... but always doing (curiosity in action)

connecting – listening to others, engaging ...

reflecting – on performance with the help of cohorts. Reflective practitioner



From Networks to ecosystems:
and a platform that scaffolds these



Cloud + Mobile + Social + Big Data

thank you