

1. Learning is Personal



Alejandro Jadad, yesterday. Cover hummingbird photo: Nathan Rupert, https://www.flickr.com/photos/nathaninsandiego/11106714545/

Knowledge Translation

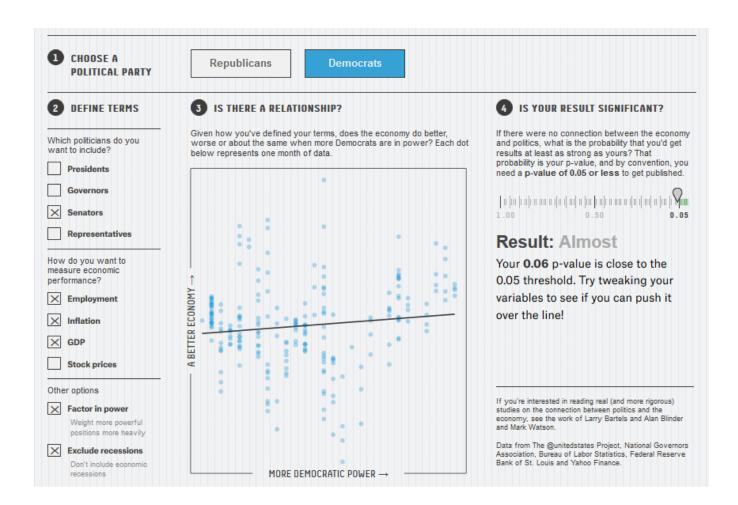
CIHR — "CIHR, knowledge translation (KT) is defined as a dynamic and iterative process that includes synthesis, dissemination, exchange and ethically-sound application of knowledge to improve the health of Canadians."

CIHR, http://www.cihr-irsc.gc.ca/e/39033.html

Campbell Collaboration - knowledge base for decisions

http://www.campbellcollaboration.org

Reasonable Doubts



The crisis can't be wished away, nor can the basic lack of reproducibility be whitewashed.

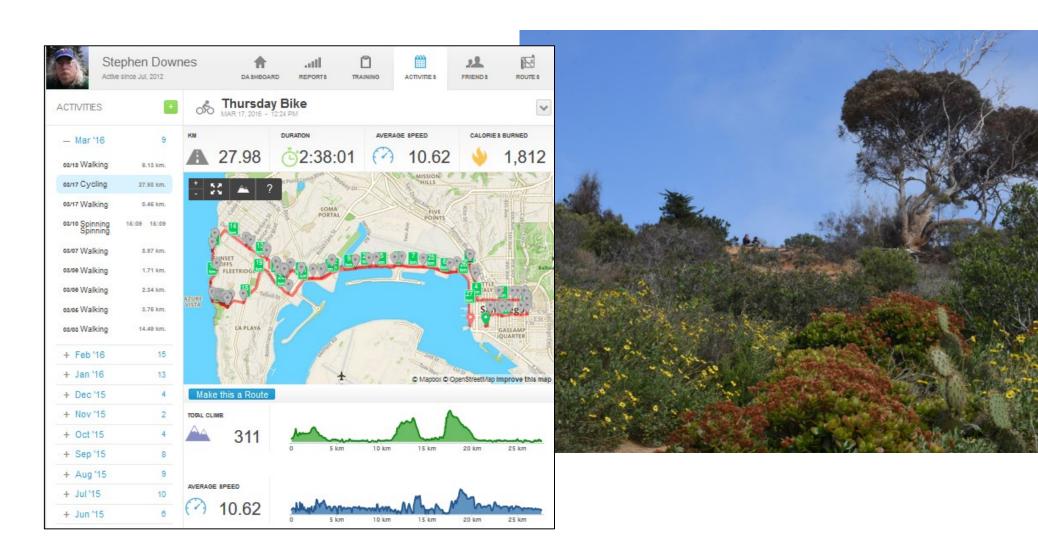
http://www.downes.ca/post/65131

http://fivethirtyeight.com/featu
res/science-isnt-broken/#part2

Criticisms...

- "research should move beyond a narrow focus on the 'know-do gap' to cover a richer agenda..."
 - situation-specific practical wisdom (phronesis)
 - tacit knowledge shared among practitioners ('mindlines')
 - complex links between power and knowledge; and
 - macro-level knowledge partnerships

Exploring, not Following



The Hackathon...



http://www.hackathon.io/events

The EduCamp



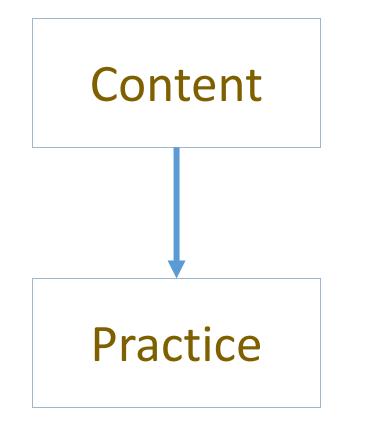


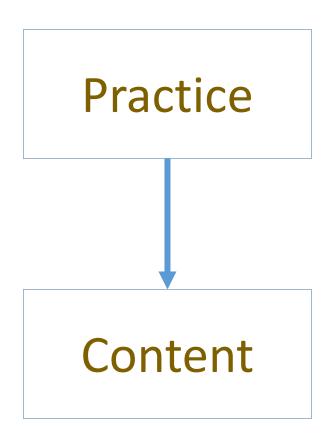


http://www.flickriver.com/photos/gadmon/3106848811/

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

2. Two Approaches...

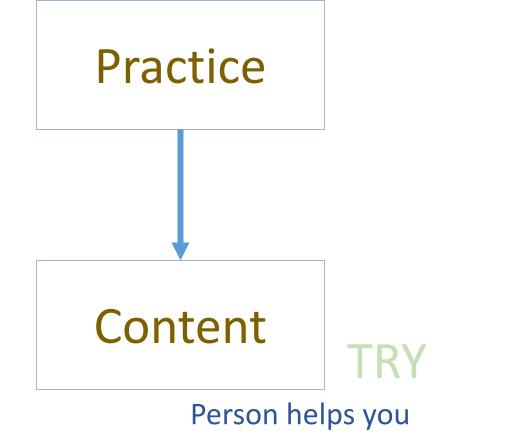




Two Approaches...

Defines an ideal state Content Practice TES₁ Person tests you

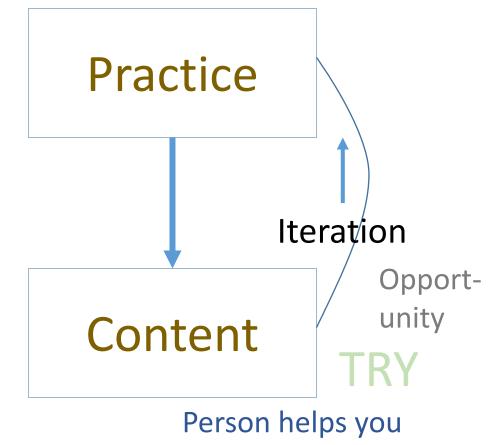
Defines a desired state



Two Approaches...

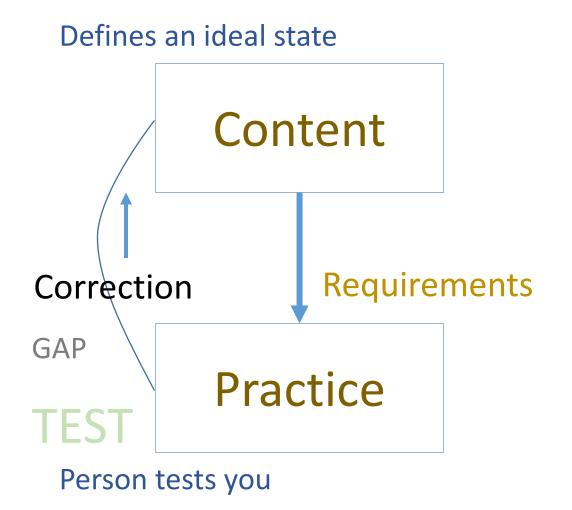
Defines an ideal state Content Correction **GAP** Practice Person tests you

Defines a desired state



Library

Environment

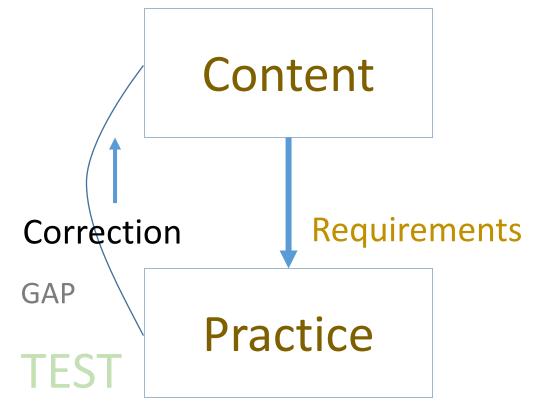


Defines a desired state Practice Affordances **Iteration** Opportunity Content Person helps you

Personalized

We do for you

Defines an ideal state

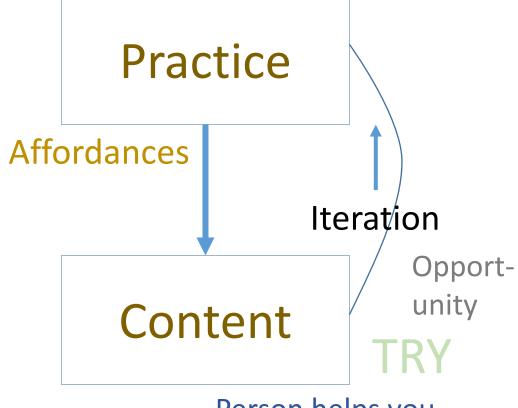


Person tests you

Personal

You do for yourself

Defines a desired state



Person helps you

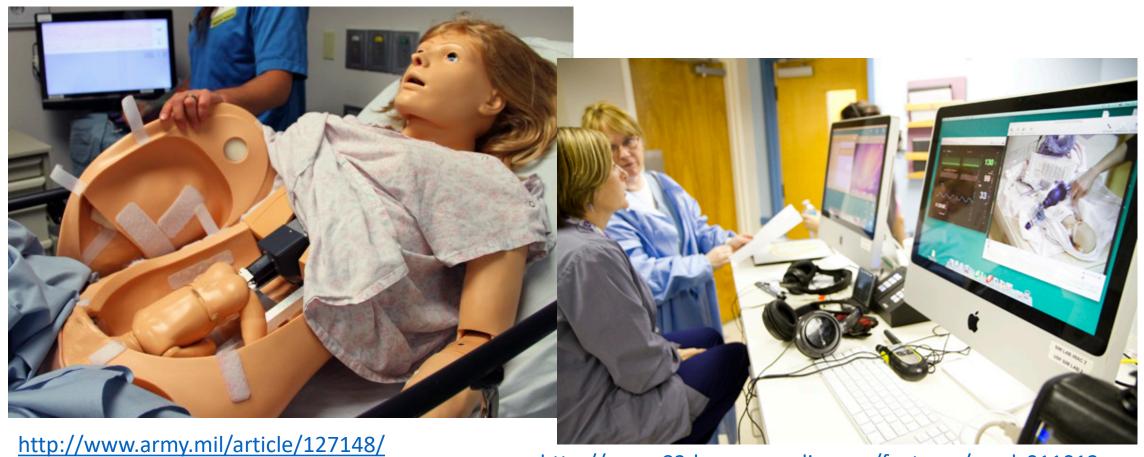
Personal vs. Personalized

- 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

3. Learning Through Practice



Medical Simulations



http://www.83degreesmedia.com/features/camls011012.aspx

Flight Simulators



http://www.cae.com/World-s-first-AW189-full-flight-simulator-ready-for-training/



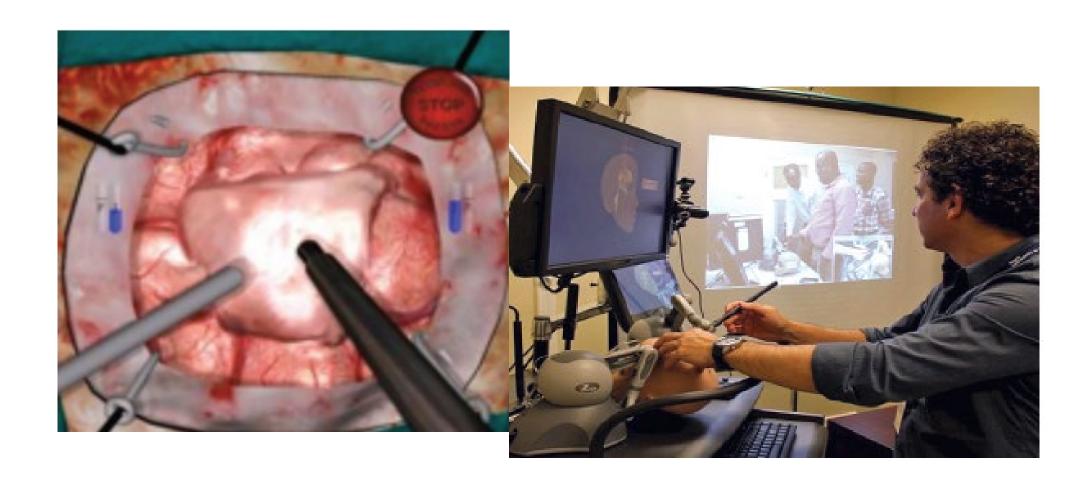
http://www.aiac.ca/canada-aerospace-industry/success-stories/cae-nh90-helicopter-simulator/

MINT - Mobile INteractive Trainer



http://www.downes.ca/post/59876

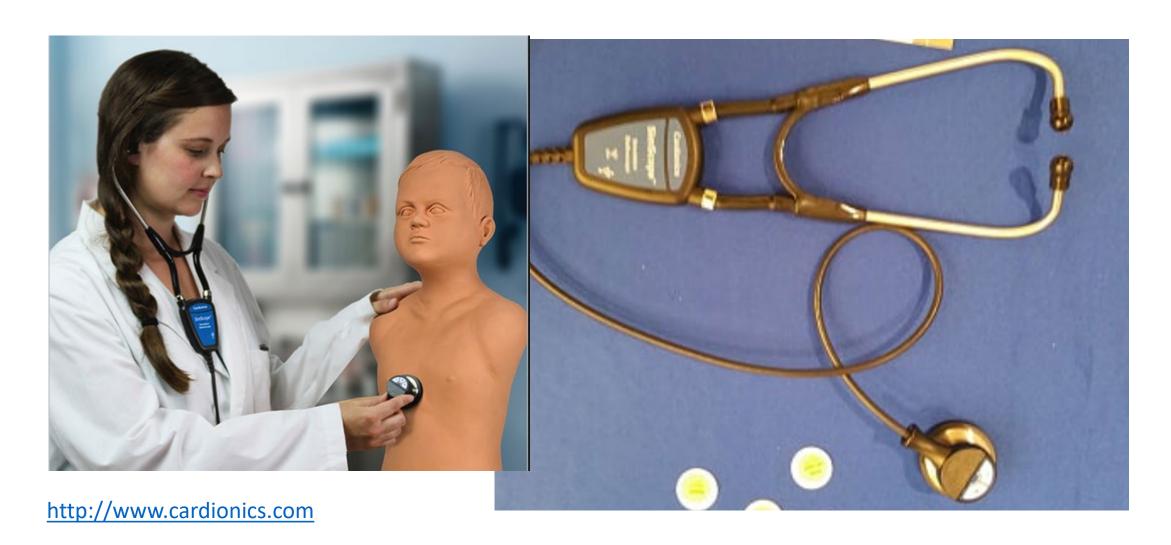
NeuroTouch Simulator



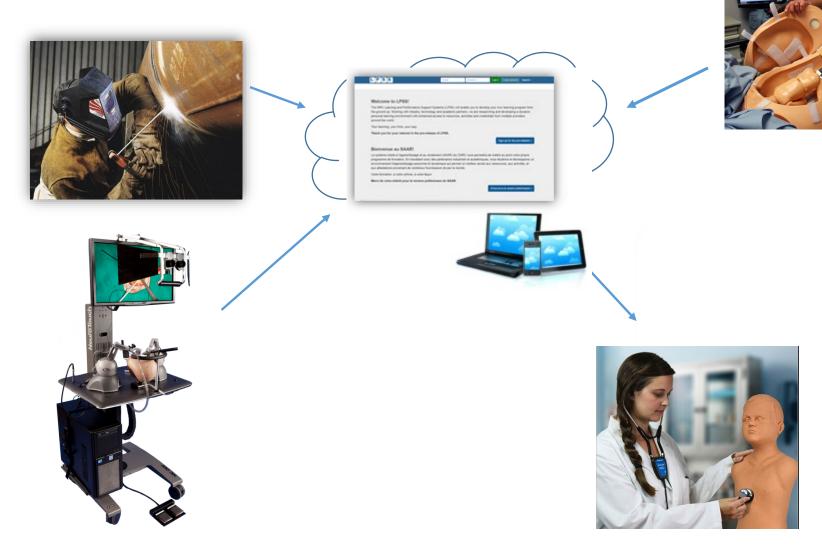
Sim-Welding



Auscultation

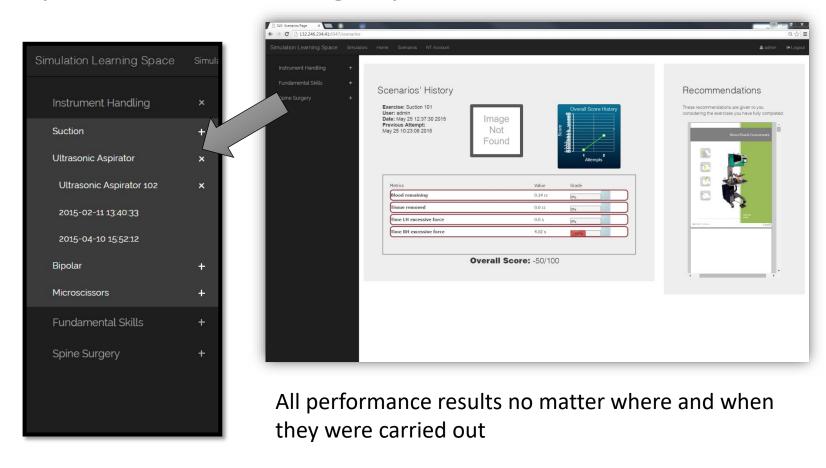


Personal Learning – The Concept



Combining Experiences

One place for all learning experiences



4. Learning Communities - the cMOOC



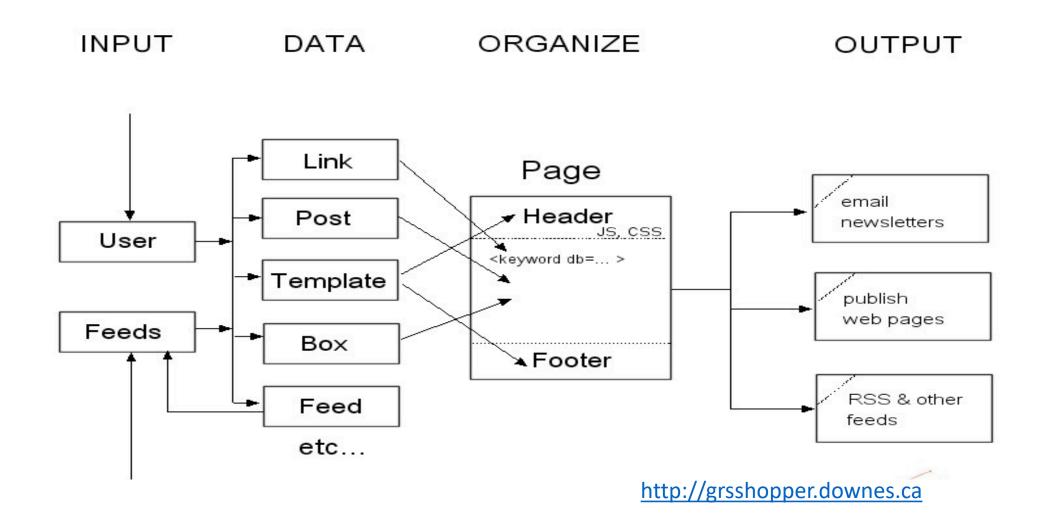
MOOC Design

• Course structure — a series of topics

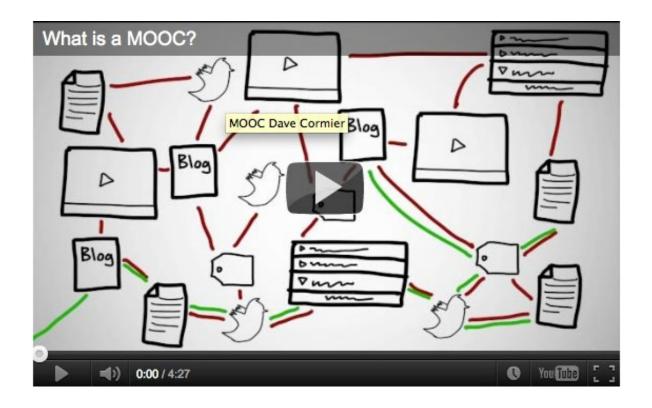
 The instructors will not 'teach' the topics, they 'investigate' or 'work through' the topics (model and demonstrate)



gRSShopper



How to Learn in a cMOOC

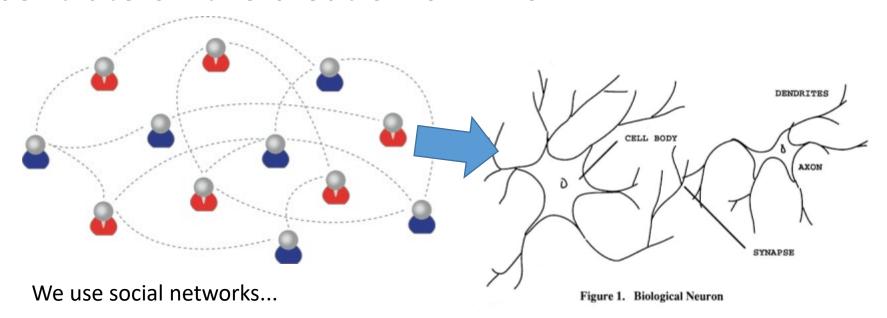


Learning is a process of immersion into a knowing community

http://www.tonybates.ca/2012/03/03/more-reflections-on-moocs-and-mitx/

How to Create a Learning

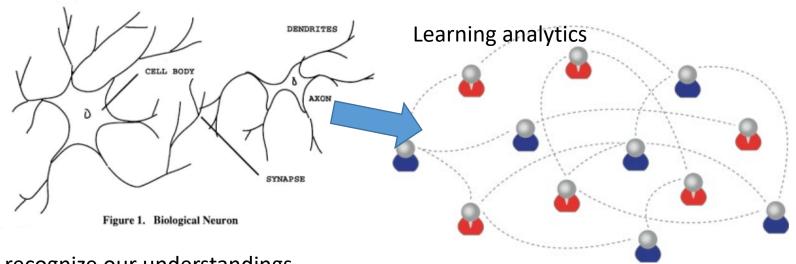
- It's like creating a network
- Don't centralize
- Concentrate on the creation of links



... to create personal knowledge

How to Evaluate Learning

- Learning is not possession of a collection of facts, it's the expression of a capacity
- Learning is recognized by a community of experts in a network



We recognize our understandings...

xLearning vs cLearning



contents

engagement

networks

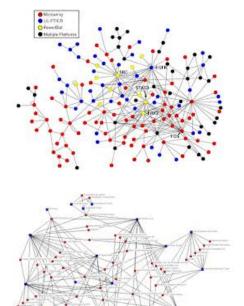


http://www.corestandards.org/

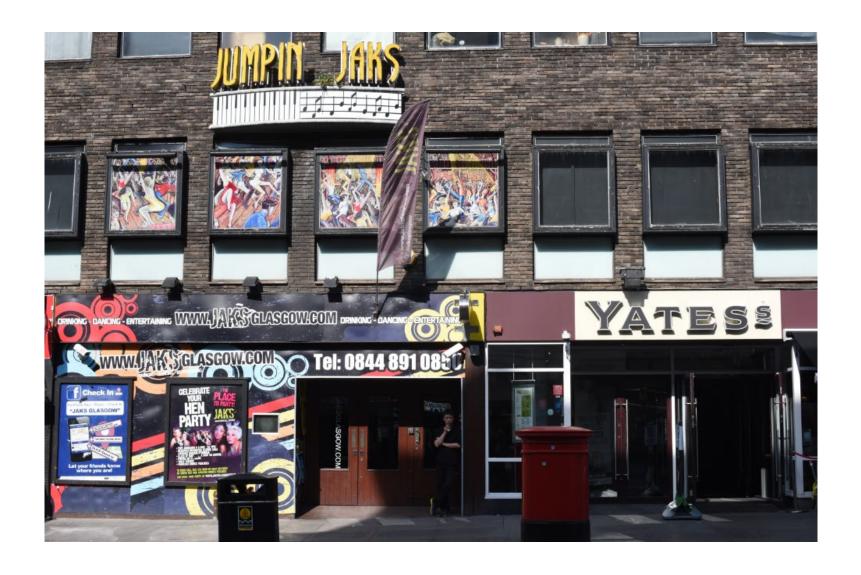


http://www.magnet.edu/

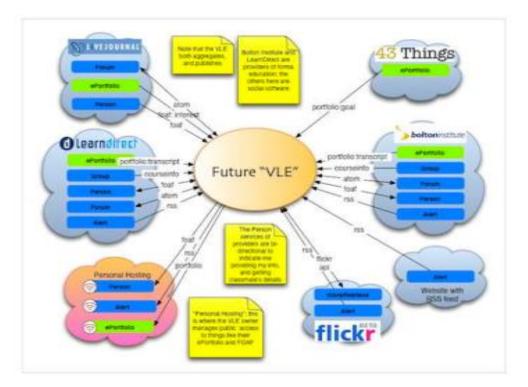


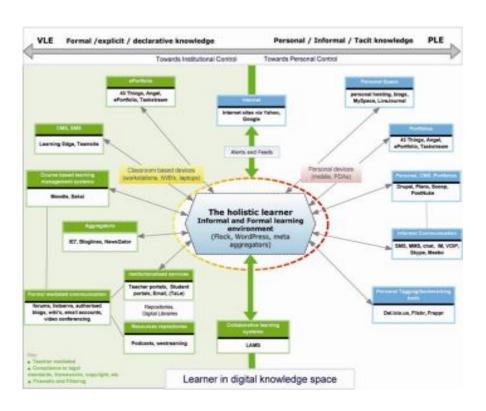


5. Personal Learning Environments



The design is based on putting the learner at the centre





Scott Wilson (left), Tim Hand (right)

https://www.google.com/search?q=ple+diagrams
http://www.edtechpost.ca/ple_diagrams/index.php/mind-map-3

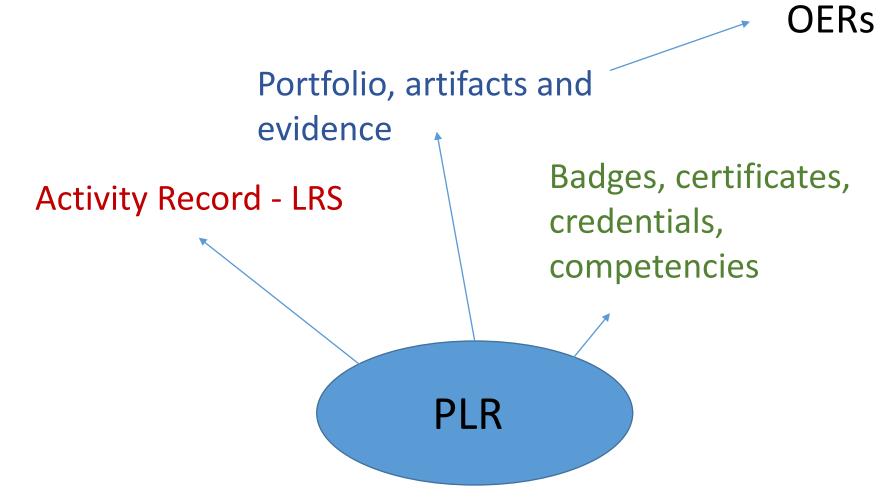
The Student's Perspective A range of different resources and services

Personal Learning Record

The Personal Learning Record – data owned by the individual, shared only with permissions



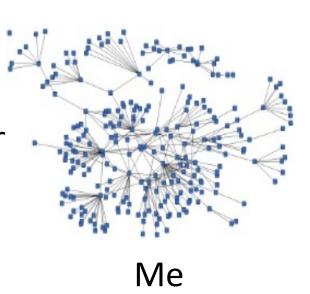
Personal Learning Record



LPSS is Built Around the Personal Learning Record

This is a *new* type of data – we call it the *personal graph*.

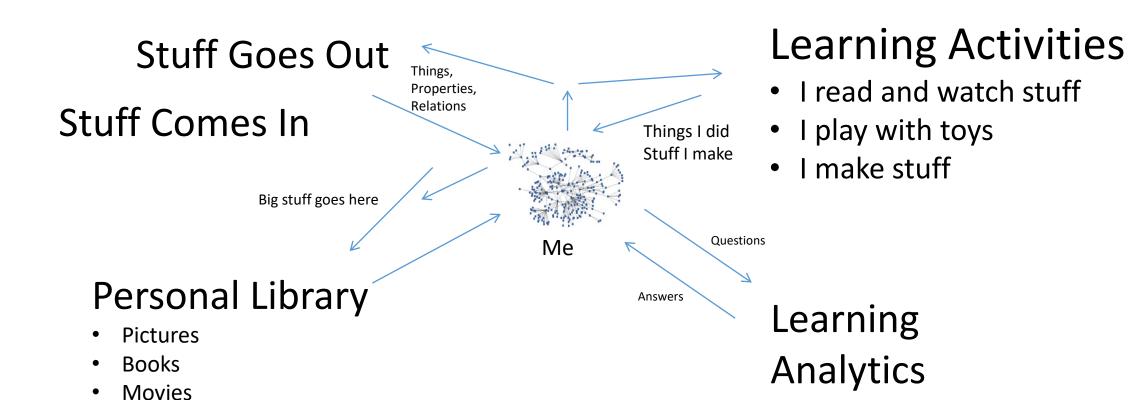
Each person has their own *private* personal graph.



The PLR contains all a person's learning records, including:

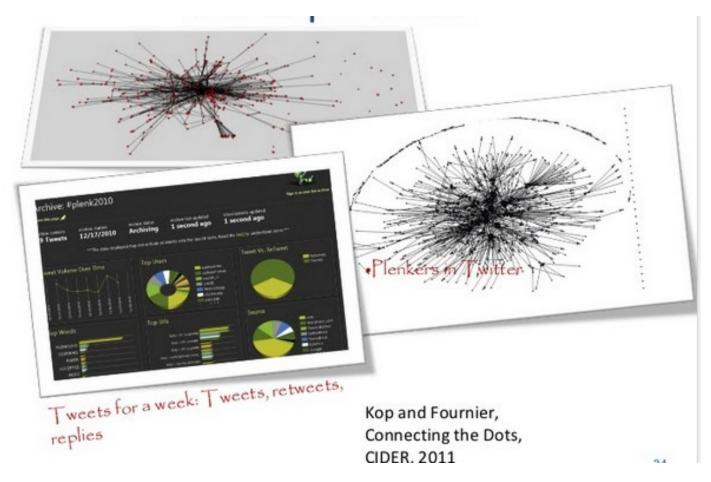
- certificates, badges and credentials
- activity records, test results, scores
- Assignments, papers, drawings, things they create

LPSS is Built Around the Personal Learning Record



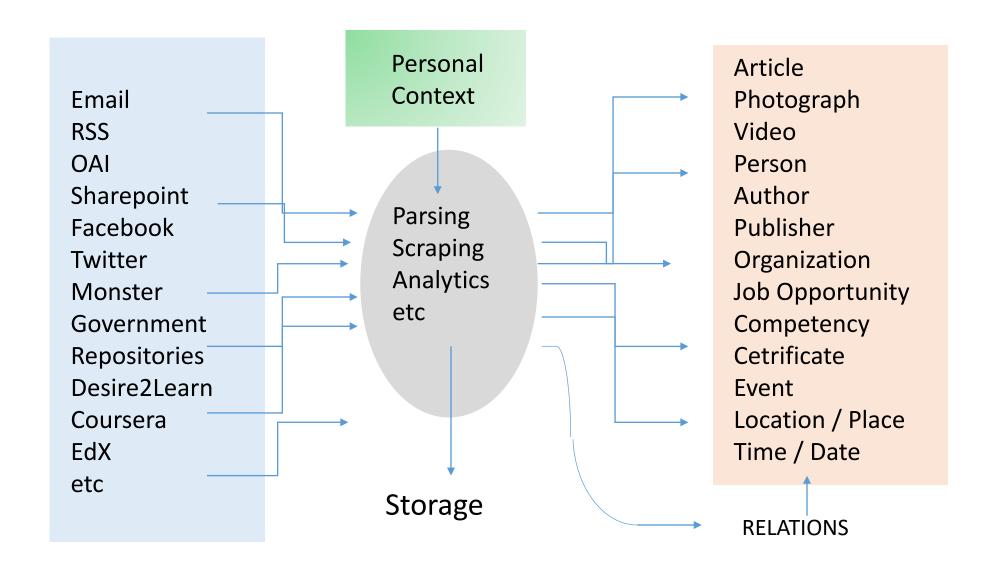
Services

Plearn – Importance of the Graph



http://www.slideshare.net/Downes/after-moodle
http://www.slideshare.net/Ritakop/kopfourniercanadianinstitutedistanceeducationresearchple

Graph Aggregation and Storage



Future Projects...

- OERs, Repositories, Marketplaces
- Badges, Credentials, Recognition
- Simulations & Workplace Support
- Matching People to Opportunities







Stephen Downes http://www.downes.ca