

Connectivism

"At its heart, connectivism is the thesis that knowledge is distributed across a network of connections, and therefore that learning consists of the ability to construct and traverse those networks."

What Connectivism Is

http://halfanhour.blogspot.com/2007/02/what-connectivism-is.html

Open Enrollment

24 Final Project

Please enter your email address here if you'd like to be involved (eithe for free participation or to enroll for credit).

Course blog is available here

Connectivism Research

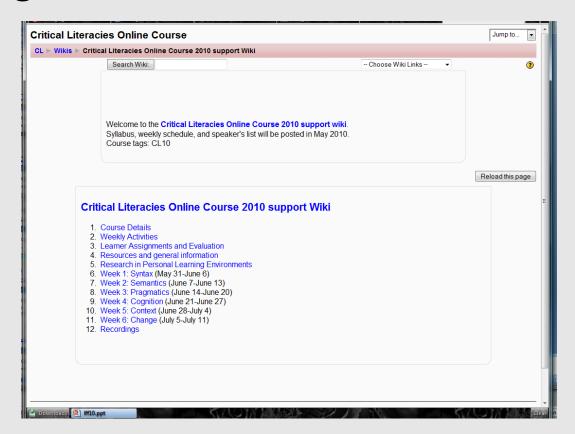
Course Details

Delivered in partnership with: Extended Education and Learning Technologies Centre, University of Manitol

Course Code: 98813- 08-01

The course was advertised in both of our blogs...

Readings and outline in the Wiki....

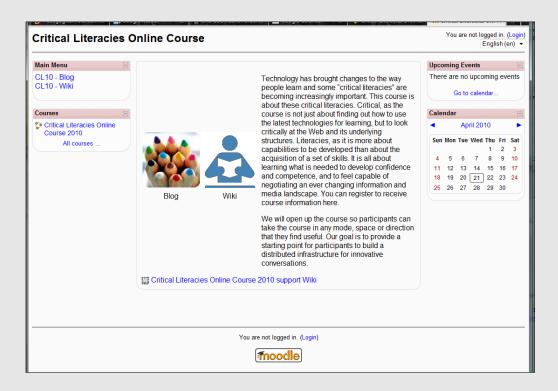


http://ple.elg.ca/course/moodle/mod/wiki/view.php?id=2

The Blog

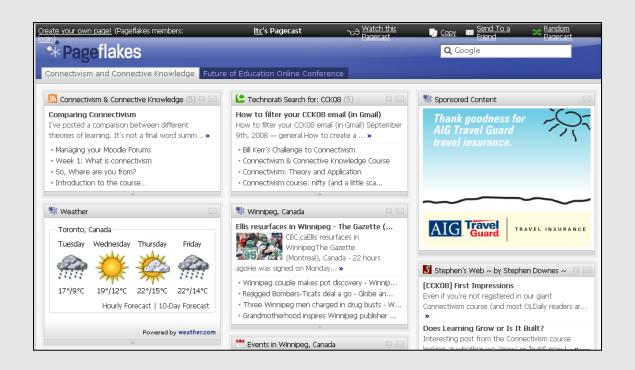


Course Moodle Forum

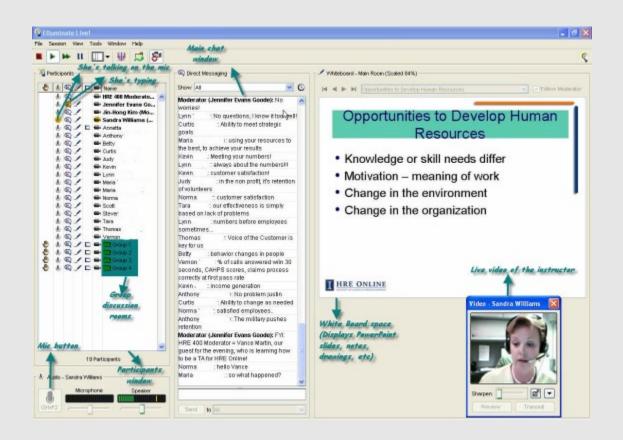


http://ltc.umanitoba.ca/moodle/course/view.php?id=20

Pageflakes Site



Elluminate Discussions (Wednesdays)



• Twitter...



http://twitter.com/cck08

The Daily

Connectivism & Connective Knowledge

[Home] [The Daily] [Wiki] [About] [Aggregations] [Readings]

The Daily

September 9, 2008

Highlighted Resources

Time Change for Wednesday Session

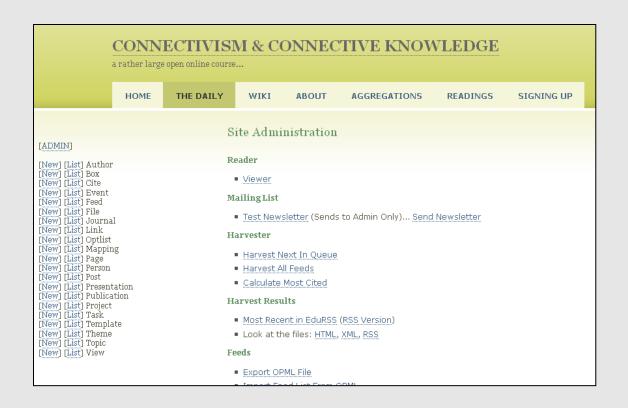
Important: We've made a change to our Wednesday (in our part of the world) schedule. The elluminate session will be held at 11:00 am CST (see conversion here). The event will be held in ellumnate (link here). Sorry about this last minute change. If the time doesn't work for those in Australia and Asia, please let me know (gsiemens@elearnspace.org) and we can try and arrange a smaller discussion group at a different time). CCK08, , September 9, 2008 [Link] [Tags: none] [Comment]

Connections, Learning, and Ptolomeus (CCK08-W1)

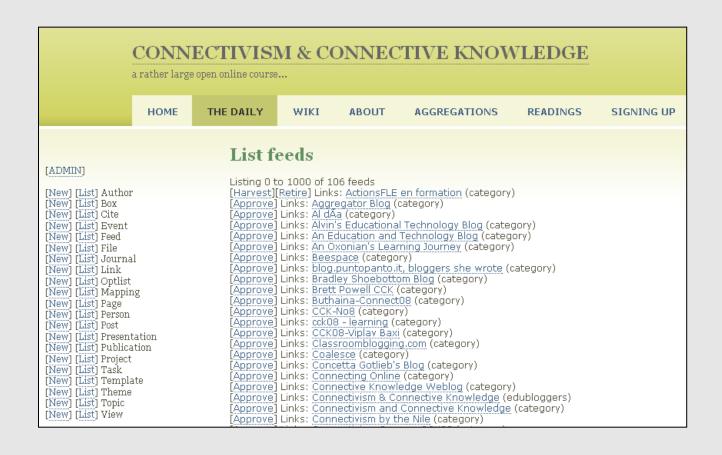
Nice post on the question of whether we 'grow' or 'build' new learning. Diego Leal cites John Medina's book *Brain Rules* (I'll have to get that one) on learning: "No defined structure, no progressive storage. Just the creation and recreation of connections between neurons. So, the process seems to be closer to something growing out (or expanding?) than to something being built." Here's the Brain Rules website, if you want to have a look. Diego Leal, .Edu.Co.Blog, September 9, 2008 [Link] [Tags: none] [Comment]

http://connect.downes.ca/

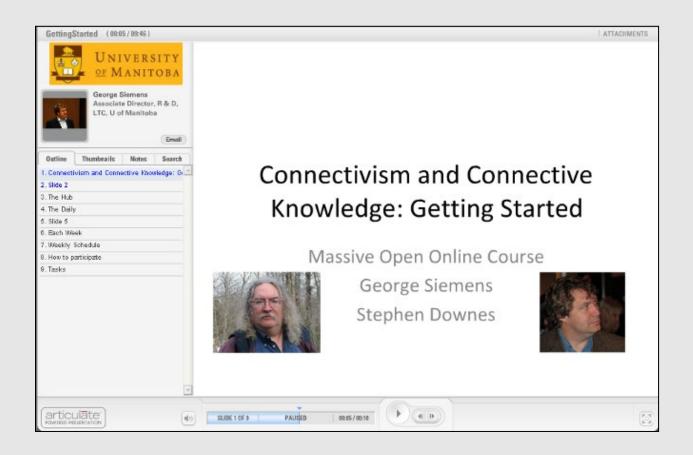
Managing Content



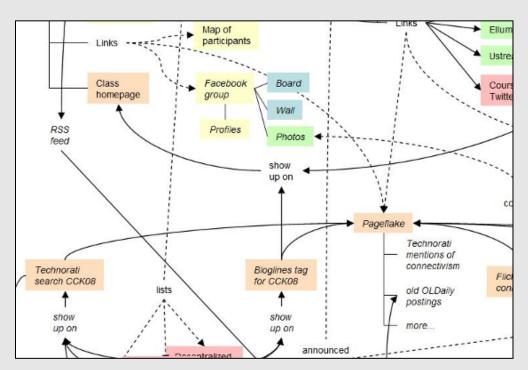
Feed Harvesting



• Intro...



The Course Map...



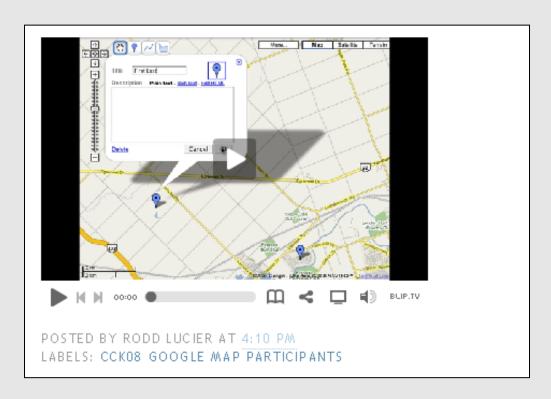
http://x28newblog.blog.uni-heidelberg.de/2008/09/06/cck08-first-impressions/

The Other Course Map...



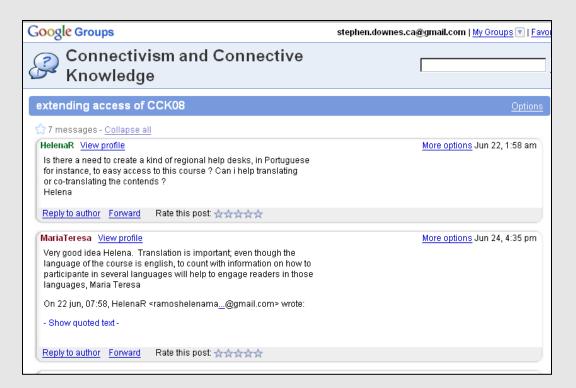
http://tinyurl.com/cck08map

Add to the Map - Video



http://thecleversheep.blogspot.com/2008/09/cck08-is-truly-global.html

Google Groups



http://groups.google.com/group/connectivism

Translations...



http://ltc.umanitoba.ca/wiki/Conectivismo - Curso online

- Second Life...
- Diigo...
- de.l.icio.us
- WordPress...



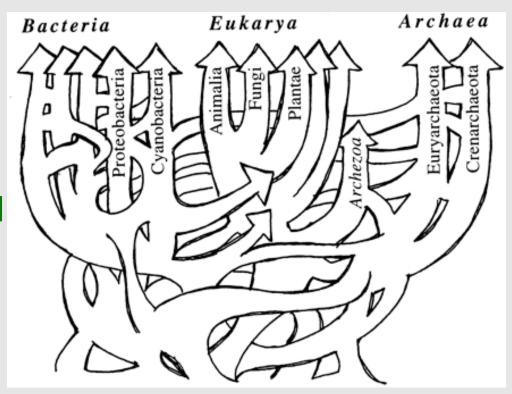
Blogs about: Ccko8

Social Construction

 Social construction is at best the collaborative creation of social artifacts (such as naming

conventions)

- It can be:
 - Process driven
 - Results oriented
 - Consensus-based
 - Deliberative
 - Mechanical



Personal Knowledge

- Is not 'constructed'
- You do not 'make meaning' for yourself
- It is a matter of organic growth



(Totally *not* what personal knowledge is)

This is important because it means that developing personal knowledge is more like *exercising* than like inputting, absorbing or remembering

(How do I know this? Research on how neural networks grow, develop)

PLE as Exercise Machine

- A PLE is a tool intended to immerse yourself into the workings of a community
- Once immersed, you then practice being one of the people characteristic of the community
 - For example, you would learn philosophy by practicing 'being a philosopher' in a philosophical community
- Your personal growth develops as a consequence of the interactions with that community

Constructionism

- "the idea of manipulative materials to the idea that learning is most effective when part of an activity the learner experiences as constructing a meaningful product."
- "a philosophy of education in which children learn by doing and making in a public, guided, collaborative process including feedback from peers, not just from teachers."

http://wiki.laptop.org/go/Constructionist

Constructionism (2)

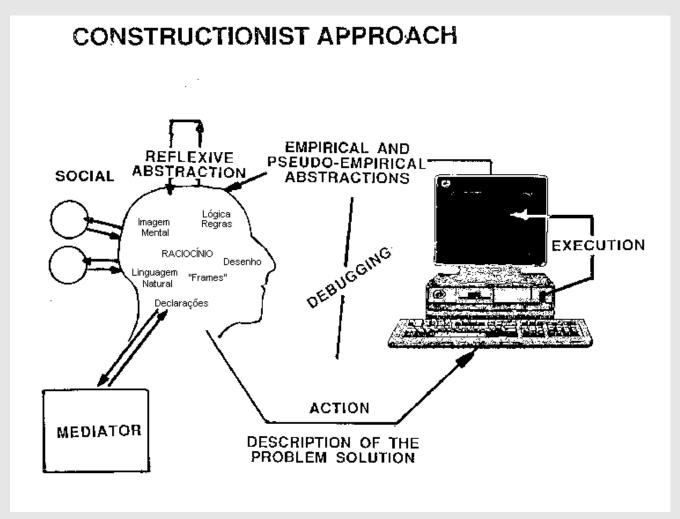


Image: http://eurologo.web.elte.hu/lectures/valente.htm

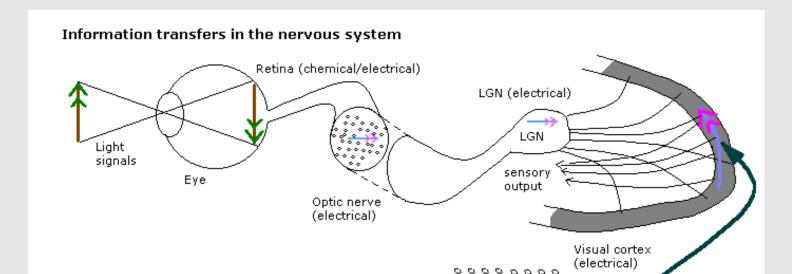
Freire

 "Students, as they are increasingly posed with problems relating to themselves in the world and with the world, will feel increasingly challenged and obliged to respond to that challenge... Their response to the challenge evokes new challenges, followed by new understandings; and gradually the students come to regard themselves as committed."

http://www.marxists.org/subject/education/freire/pedagogy/ch02.htm

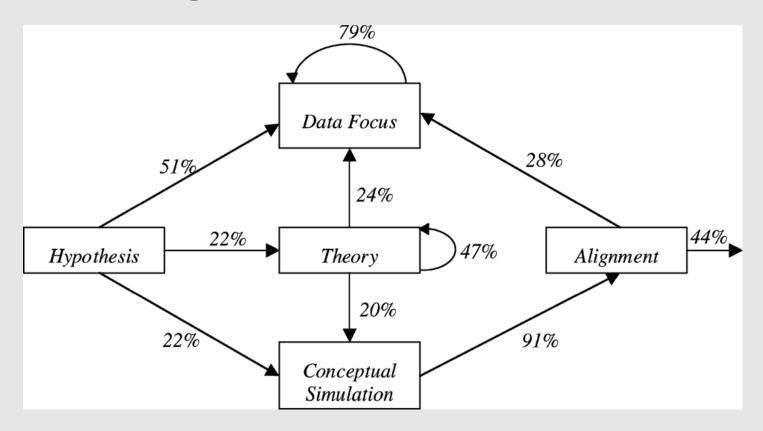
The Learning in PLE

- The learning in a PLE is about developing capacities (not compentencies, skills, etc.)
- The outcome of personal learning is engendered through empowerment (vs engagement, etc)



Network Learning

 Science as language, learning as conversation, knowledge as inference



A Frame For Critical Literacy

Syntax	Cognition
Semantics	Context
Pragmatics	Change

Syntax

Not just rules and grammar

Forms: archetypes? Platonic ideals?

Rules: grammar = logical syntax

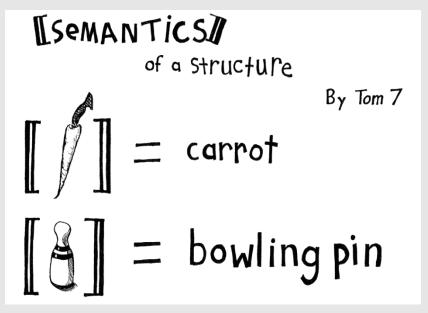
Operations: procedures, motor skills

Patterns: regularities, substitutivity (eggcorns, tropes)

Similarities: Tversky - properties, etc

Semantics Semantics

theories of truth / meaning / purpose / goal



http://www.cs.cmu.edu/~tom7/csnotes/fall02/semantics.gif

- Sense and reference (connotation and denotation)
- Interpretation (Eg. In probability, Carnap logical space;
 Reichenbach frequency; Ramsey wagering / strength of belief)
- Forms of association: Hebbian, contiguity, back-prop, Boltzmann
- Decisions and decision theory: voting / consensus / emergence

Pragmatics

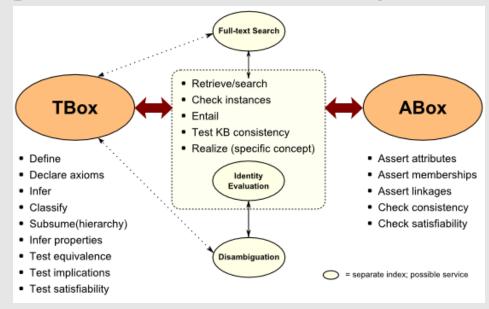
use, actions, impact



- Speech acts (J.L. Austin, Searle) assertives, directives, commissives, expressives, declarations (but also - harmful acts, harassment, etc)
- Interrogation (Heidegger) and presupposition
- Meaning (Wittgenstein meaning is use)

Cognition

reasoning, inference and explanation

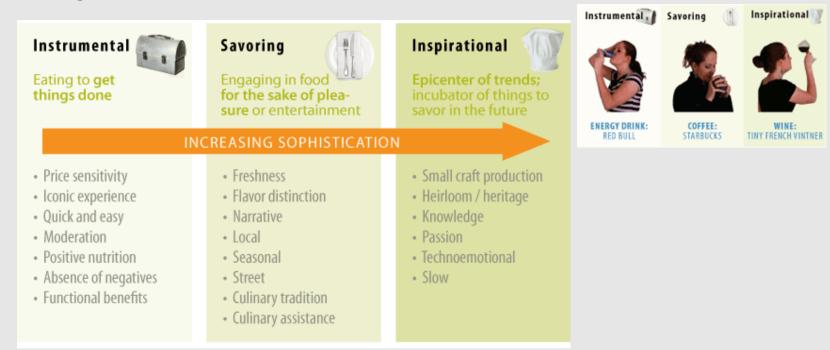


http://www.mkbergman.com/category/description-logics/

- description X (definite description, allegory, metaphor)
- **definition** X is Y (ostensive, lexical, logical (necess. & suff conds), family resemblance but also, identity, personal identity, etc
- argument X therefore Y inductive, deductive, abductive (but also: modal, probability (Bayesian), deontic (obligations), doxastic (belief), etc.)
- explanation X because of Y (causal, statistical, chaotic/emergent)

Context

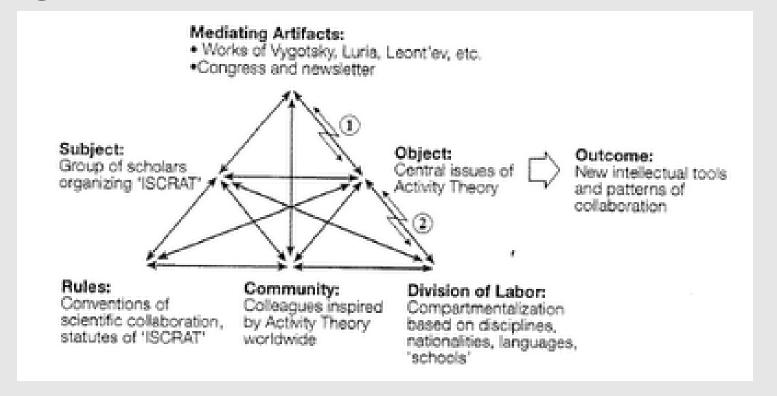
placement, environment



http://www.occasionbasedmarketing.com/what-it-is

- explanation (Hanson, van Fraassen, Heidegger)
- meaning (Quine); tense range of possibilities
- vocabulary (Derrida); ontologies, logical space
- Frames (Lakoff) and worldviews

Change



- relation and connection: I Ching, logical relation
- flow: Hegel historicity, directionality; McLuhan 4 things
- progression / logic -- games, for example: quiz&points, branchand-tree, database
- scheduling timetabling events; activity theory / LaaN

21st Century Skills Languages



http://spotlight.macfound.org/btr/entry/new media literacies/

The 'skills' described by Jenkins and others performance, simulation, appropriation, etc are actually languages and should be understood in terms of these six dimensions

PLE Pedagogy

- The six frames are the elements of language used to communicate bwteen individuals in a community
- Learning in a PLE involves immersion in this community and communication involving refective awareness of these six frames
- Pedagogy in a PLE environment is the modeling of these skills and feedback along these frames

Stephen Downes



http://www.downes.ca