

gatting avoited about new chiff experimentin Rethinking the Learner inquis collaborator has to be engaged playing analyzing Explorersomeone who acquires knowledge ar What is it? a sponge absorbing making connections building memories about failure Listening A smart person Facilitator

> Examples teachers

Tutors and Professors

partner

ge sharing about larning: meta-learning connecting

A life-long inquiry

Who Does It?

Students are learners but also teachers

those who are engaged

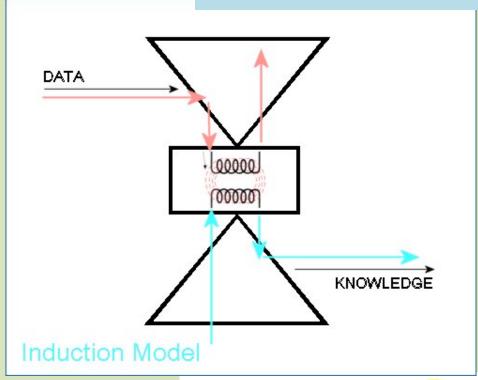
asking more questions than finding answers Takes a Whole Village to

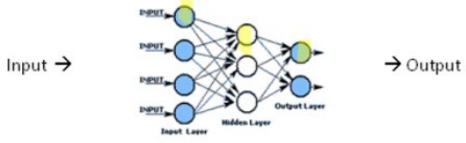
Everyone

Raise a Child

Image: http://www.freeprintablecoloringpages.net/showcover/School/Sad Student

How People Learn





perceiving → sensing, feeling, thinking, deciding → behaving

The First MOOC: CCK08



2008: CCK08
Stephen Downes, George Siemens
The First Massive Open Online Course (MOOC)

http://ltc.umanitoba.ca/wiki/Connectivism_2008

How to Participate in CCK08 Participants Participants 1 PowerPoint Presentation ▼ Follow Moderator Stephen... abdullahs... amanda.... amaniram Amy Visualizations Anas 1 Explanations Anchal M... Spaces Andreas... Answers Barbara... binzeh Netvibes Tutorials... What?? Sub-networks/clusters Moodle Google Alerts Chat Show Create Track →The Daily Second Life Interact at the moment) Blog. Tracy Parish (@hamtra): I set up a Your RSS reader twitter list for people I've seen so far With what?? -→SNAPP on twitter using the hashtag - http: Blogs, Groups, //twitter.com/hamtra/cck11 SL. Quora Moodle *VUE Elluminate Facebook group Sessions Diigo, Delicious This Room Send to ManyEyes NodeXL Moodle Your space, of Audio - George Siemens your language

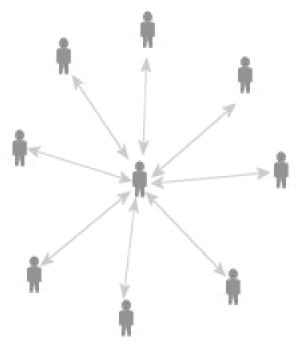
In session for 1 hour, 46 minutes.

11:01

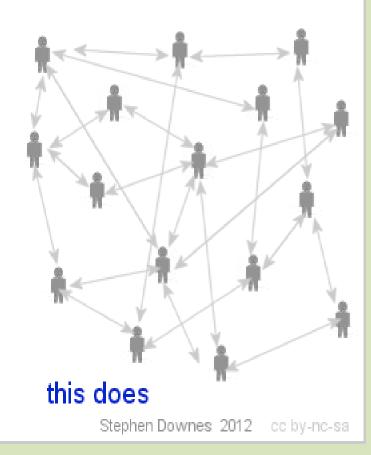
✓ PowerPoint Pre... ▼

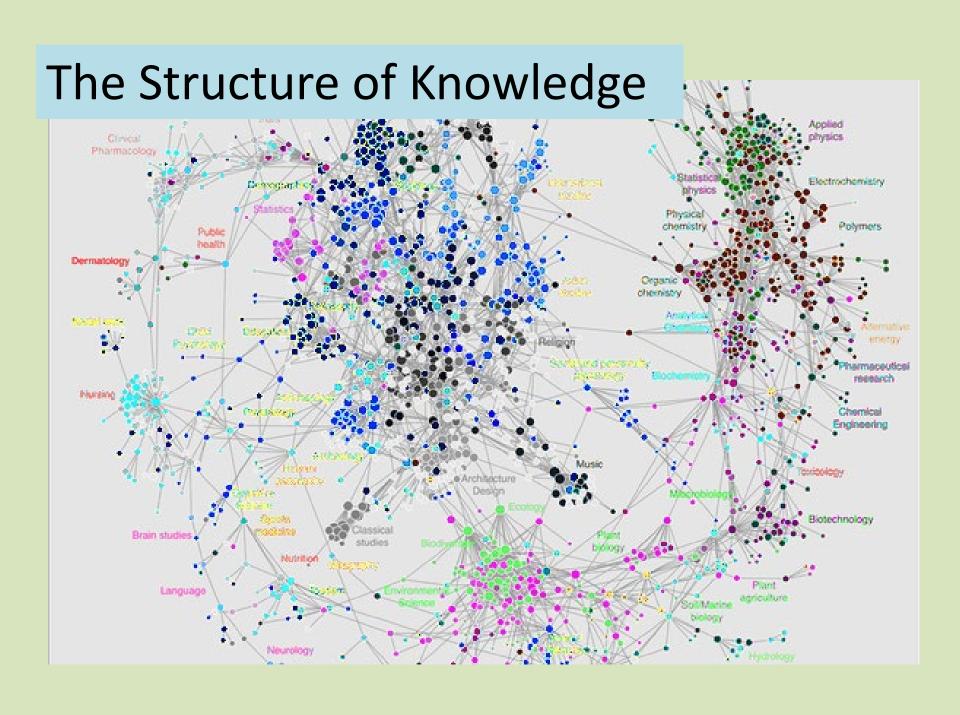
MOOC Design Logic

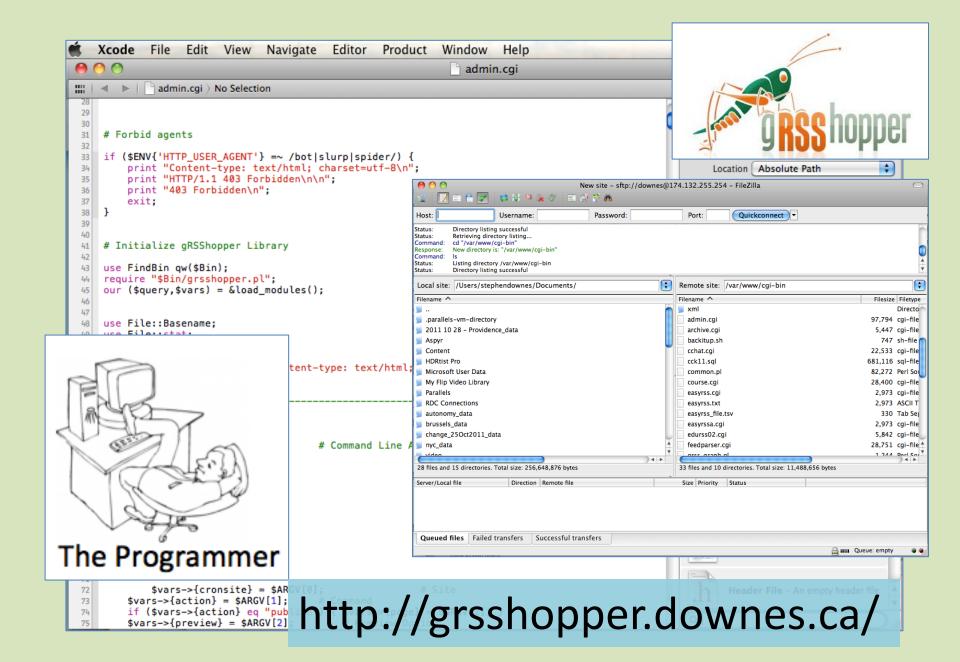
In Education...



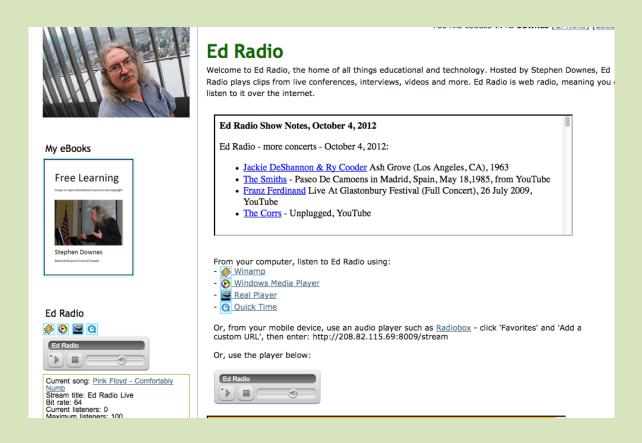
this does not scale





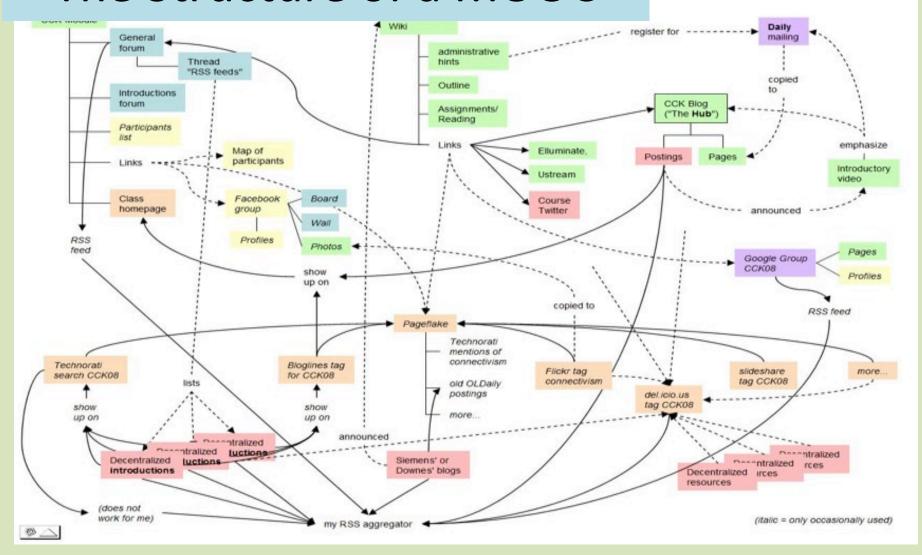


Ed Radio

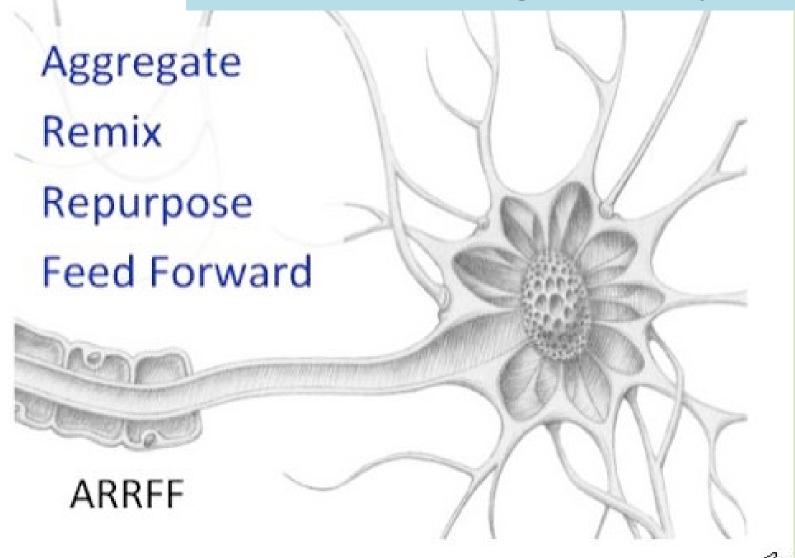


Learning the lecture recording make for horrible radio

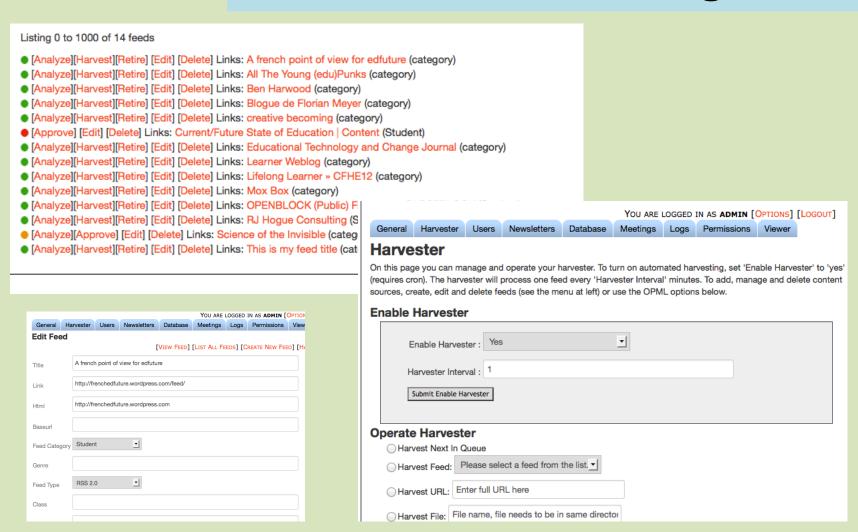
The Structure of a MOOC



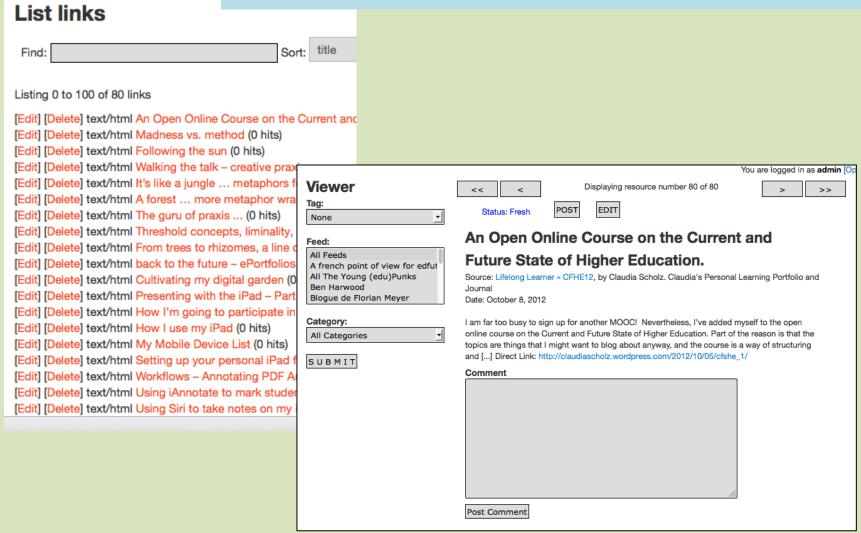
Course Design Principle



Feed Harvesting



Viewing and Posting



Mixing and Publishing

Publishing Options

Publish to: http://edfuture.mooc.ca/ newsletter.htm	
Archive page? yes	
Autopublish? yes ▼ How often? Hourly	•
Note that pages are also autopublished and archived	when sent as newsletters.

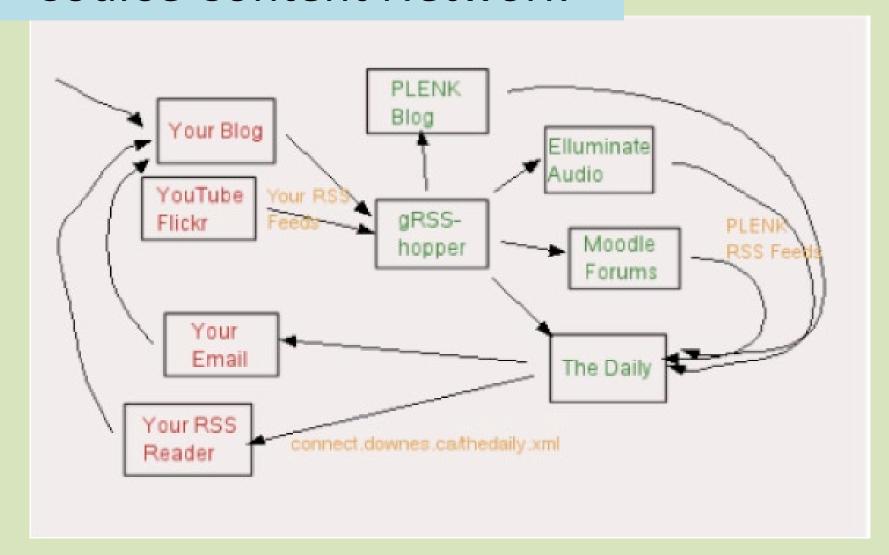
Newsletter Options



Description

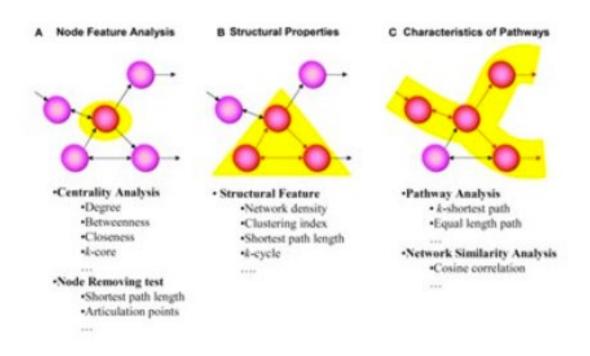
```
<h2>Discussion Posts</h2>
#000040;">Discussion posts will be available here.
<h2>Delicious Links</h2>
#000040;">Links from the shared bookmarking site delicious.
<a href="http://www.delicious.com/tag/cck11">Add your own
bookmarks</a> and be sure to tag them as CCK11.
<keyword db=link;expires=24;truncate=500;format=email;
feedid=2637;all;sort=crdate DESC>
<keyword db=link;expires=24;truncate=500;format=email;
feedid=2641;all;sort=crdate DESC>
<h2>Twitter Posts</h2>
<p style="font: 400 10pt/12pt Verdana, Arial,
sans-serif;color:#000040;">
<keyword db=link;type=twitter;format=twitter;sort=crdate
DESC;expires=24>
</div>
```

Course Content Network

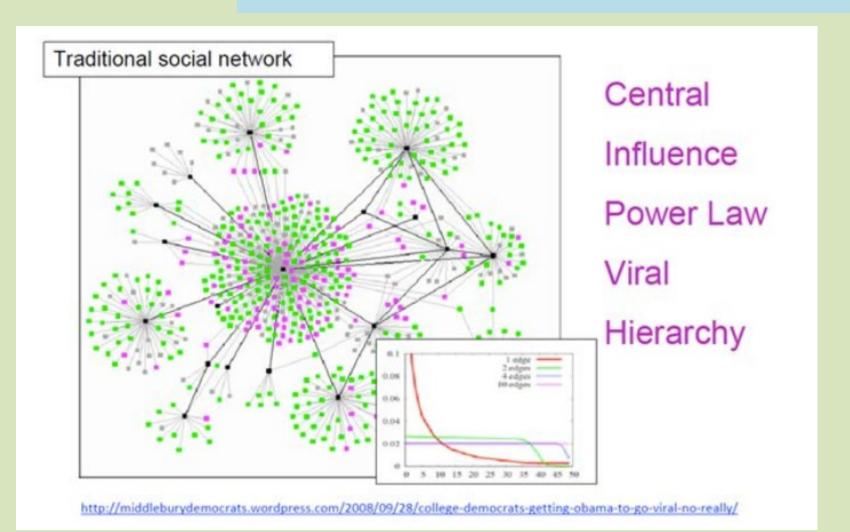


Unstable Networks

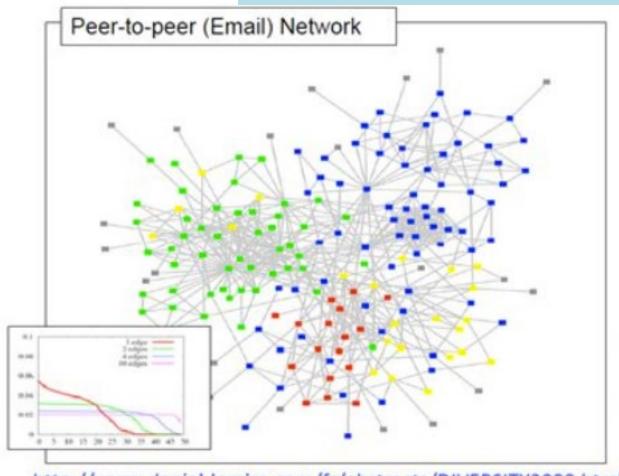
Cascade Phenomena – what causes them?
 What are the consequences?



Unstable Networks



Stable Networks



Distributed

Discussion

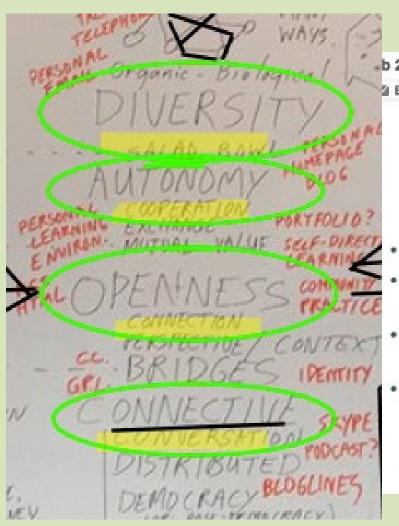
Balanced

Reflective

Democracy

http://www.daniel-lemire.com/fr/abstracts/DIVERSITY2008.html
http://www.mailchimp.com/blog/using-email-to-uncover-hidden-social-networks/

The Semantic Principle



b 2.0, E-learning 2.0 and the New Learning 4 years ago

Email ♥ Favorited ×
 Download ⇔ Embed → Zipcast More...

The Semantic Principle

- Groups require unity, networks require diversity
- Groups require coherence, networks require autonomy
- Groups require privacy or segregation, networks require openness
- Groups require focus of voice, networks require interaction

http://www.downes.ca/cgi-bin/page.cgi?post=35839

4-factor Model of Autonomy

Experience

Factors affecting epistemic states

Scope and range of autonomous behaviour

Engagement

Empowerment

Capacity to act on epistemic states

Effects of autonomous behaviour

Effect

Connectivism and Effect (1)



 While at the same time emphasizing the personal, maximize effect range and impact Connectivist courses support massive participation and growing impactful engagement in community

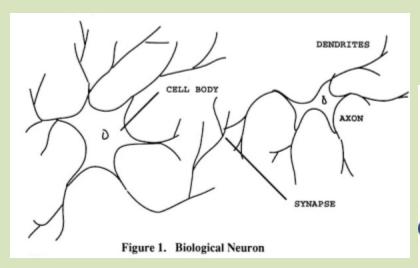
Connectivism and Effect (2)



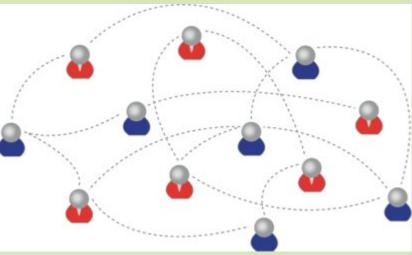
1. Recognize and support the potential for improvements both social and personal

The impact of connectivist courses is measured by one's engagement and improvement in the wider knowledge community

Learning Outcomes



We recognize this



By perfomance in this

There are not specific bits of knowledge or competencies, but rather, personal capacities (more on this later)

2010: Stephen Downes, Rita Kop Critical Literacies & PLENK 2010



PLENK 2010 involved a significant research effort

http://connect.downes.ca/

PLENK Analytics



Rita Kop

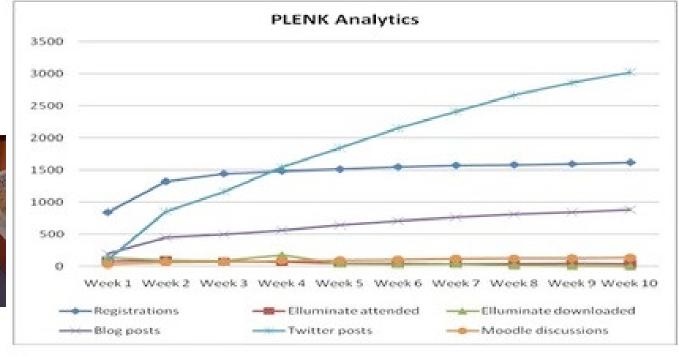
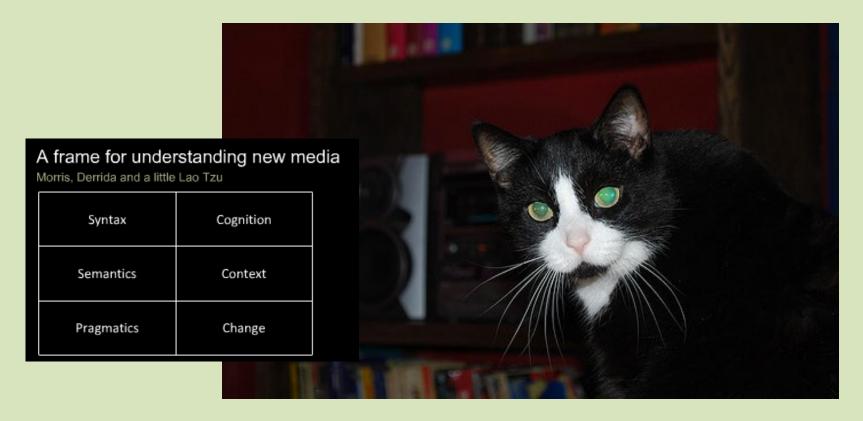


Chart 2. PLENK participation rates.

Supporting ongoing MOOC participation

http://www.irrodl.org/index.php/irrodl/article/view/882

Critical Literacies



Understanding how we use artifacts to communicate in online and other learning networks

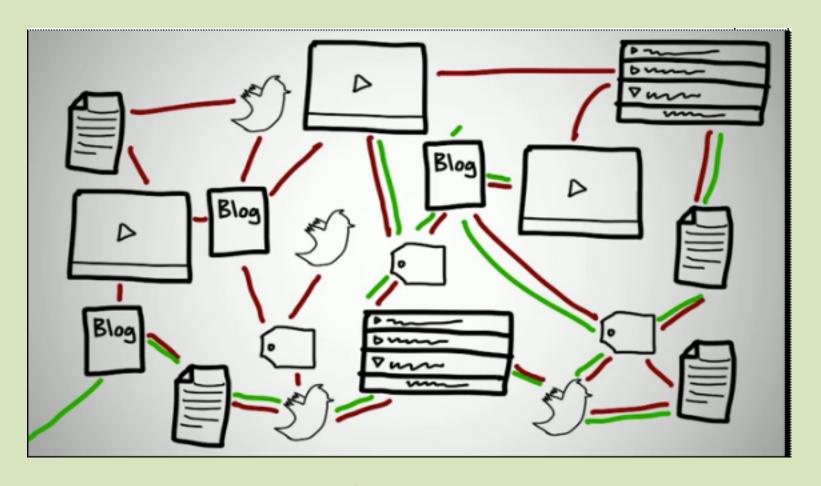
http://www.downer.

http://www.downes.ca/presentation/232

2011: Year of the MOOC



Connectivism & Connective Knowledge



CCK11: How to Learn in a MOOC

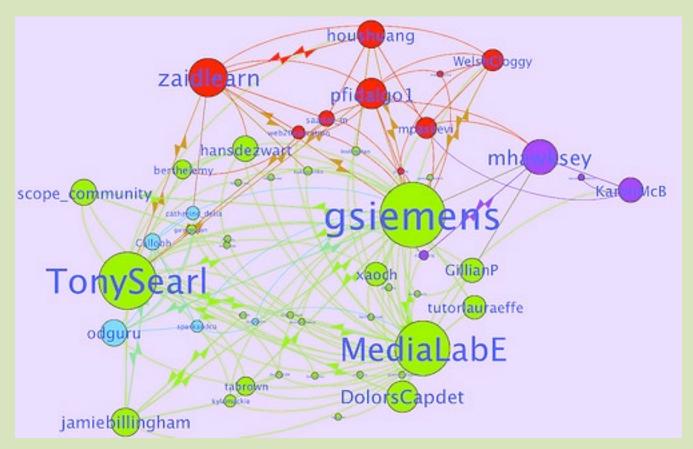
http://www.youtube.com/watch?v=eW3gMGqcZQc

How to be Successful in a MOOC



http://www.youtube.com/watch?v=r8avYQ5ZqM0

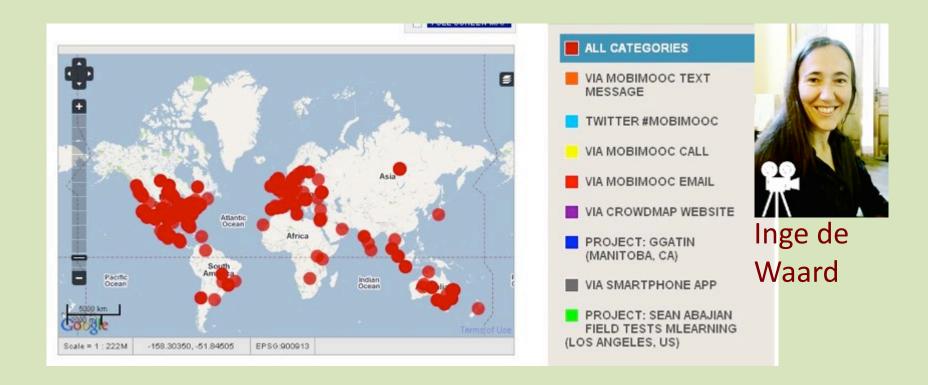
Learning Analytics



LAK11: How to measure success in a MOOC

http://scope.bccampus.ca/course/view.php?id=365

MobiMOOC



Supporting Mobile Learning Technology

http://mobimooc.wikispaces.com/

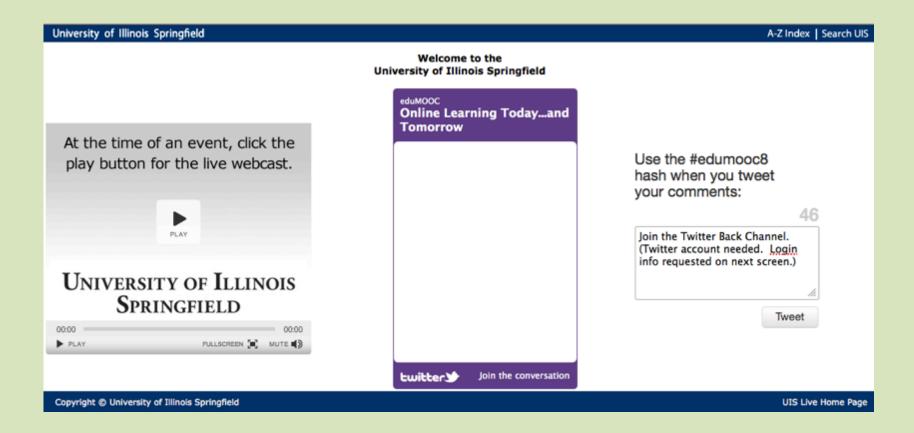
The madness and mayhem of



DS = Digital Storytelling DS106 redefined activities and participation

http://ds106.us/

eduMOOC



Large, well publicized, but not very interactive

http://sites.google.com/site/edumooc/

eduMOOC underground

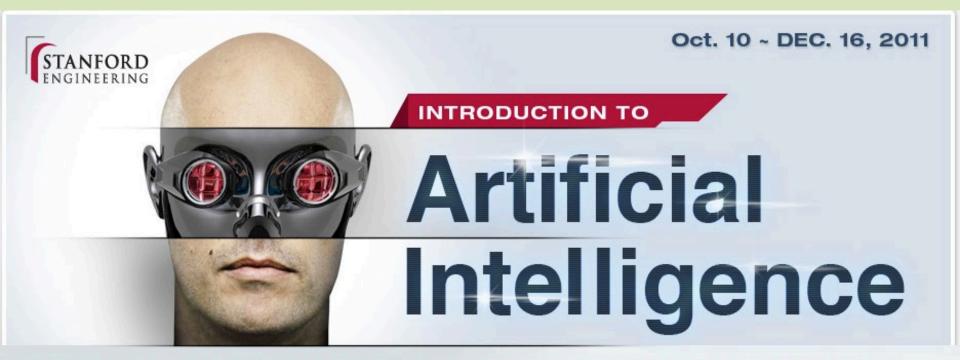




Jeff Lebow

Jeff Lebow, Google+ hangout, and Livestream:
Taking something ordinary, and making it something
special – YOU make the MOOC
http://www.livestream.com/jefflebow/

Al-Class: Redefining Massive



In partnership with the Stanford University School of Engineering. You can join this online worldwide class this fall.

More than 100,000 people signed up for preregistration

http://www.ai-class.com/



Downes, Cormier and Siemens try again

Image: http://steve-wheeler.blogspot.com/2011/04/running-mooc.html

http://change.mooc.ca



Stephen Downes http://www.downes.ca