

MOOC 2011



The Massive Open Online Course in Theory and in Practice
Stephen Downes, Guadalajara, 05 September 2011

El IV Simposio
de la Comisión
Nacional para la
Innovación
Curricular



Innovate to Transcend

Transcend what? How? Why?



Objectives of this Symposium



1. Establish a forum for dialogue and reflection on topics and experiences



2. Discuss, with international experts, innovative proposals in the field



3. Promote training and updating of the participants in trends worldwide



4. Encourage the development of reflective working groups and research



5. Promote inter-agency work to develop proposals and projects

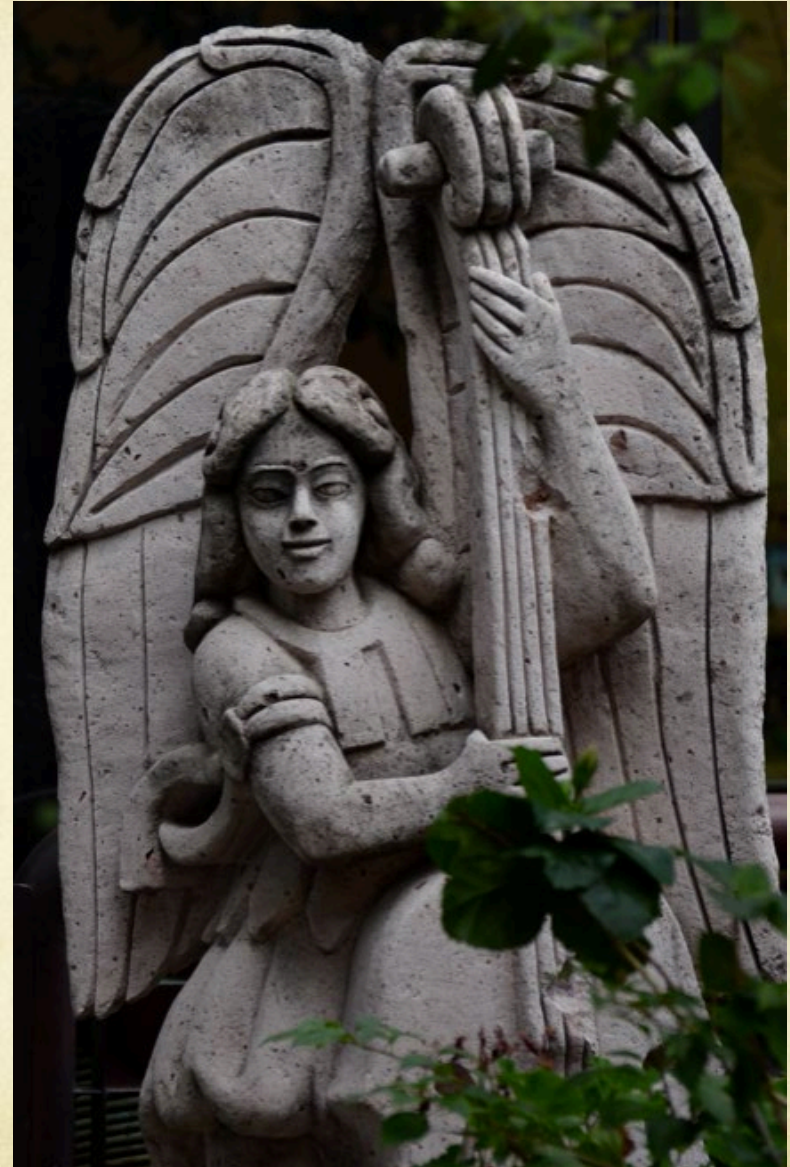


6. Promote the strengthening and development of the organization

These are good objectives

Where are they in the schools or in the traditional curriculum?

To 'transcend' is to embody these objectives in new curricula.



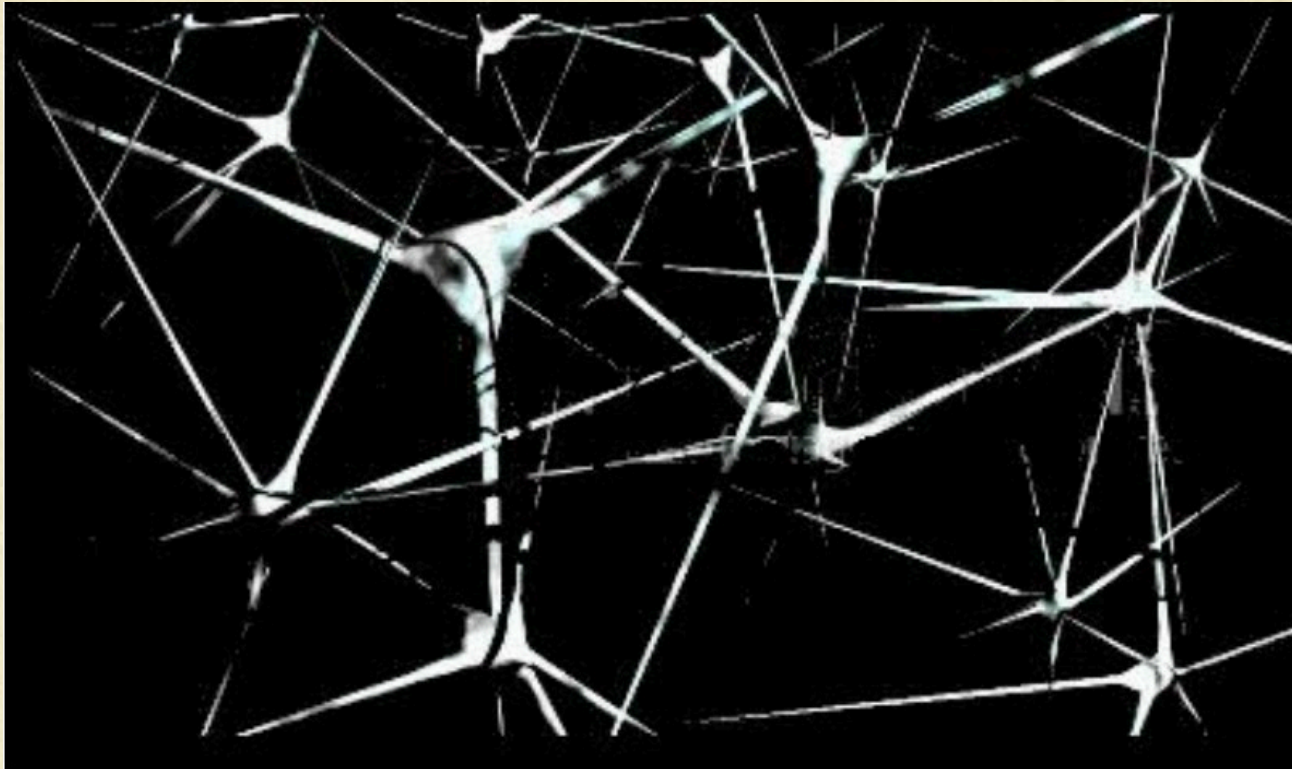


To teach, in other words, our students in the same way we would teach ourselves



So here we are...

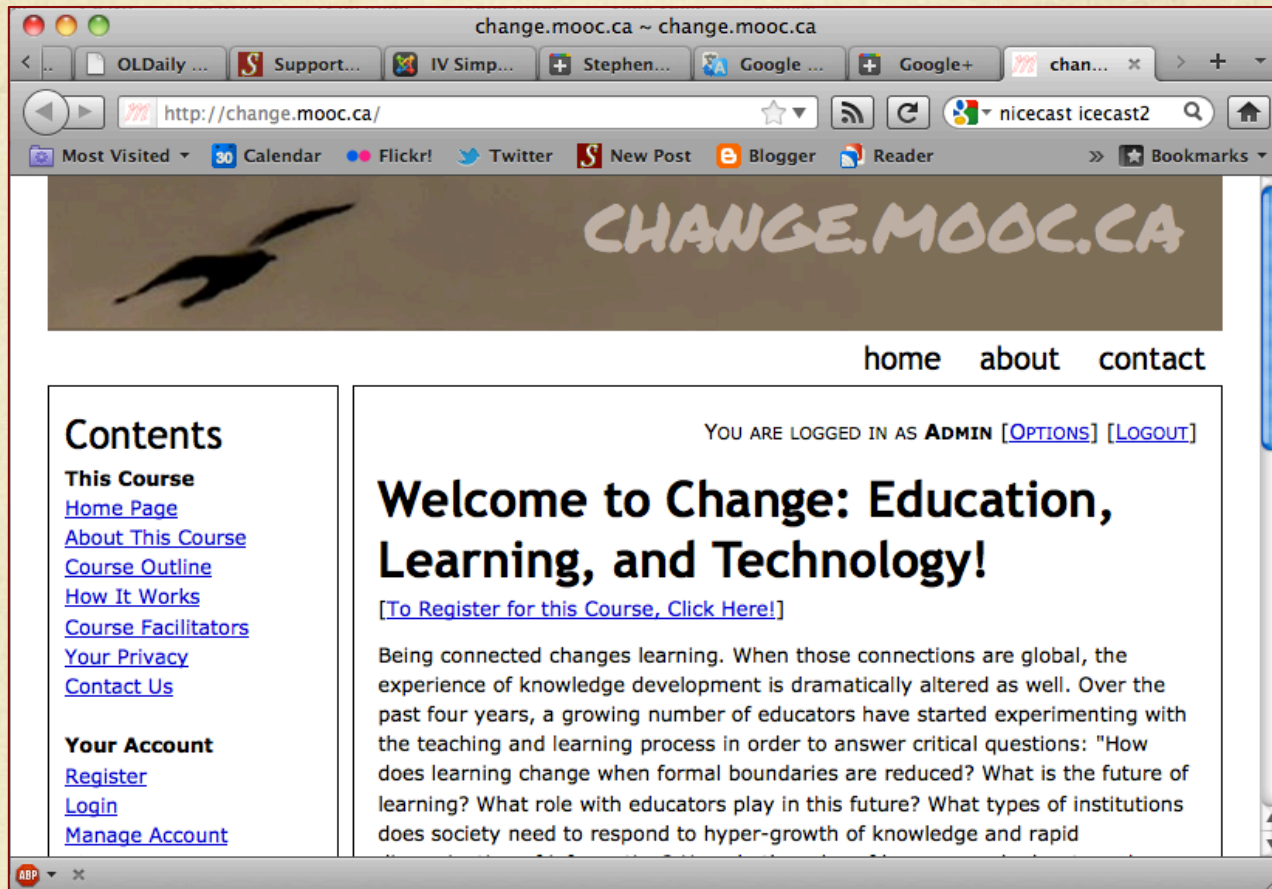
How could we meet these symposium objectives in the days and weeks ahead?



<http://www.clipcanvas.com/video-footage/gfx-graphics-neural-network-human-7728.html>

The Theory...

Learning and cognition happen in a network



The Practice...

The Massive Open Online Course

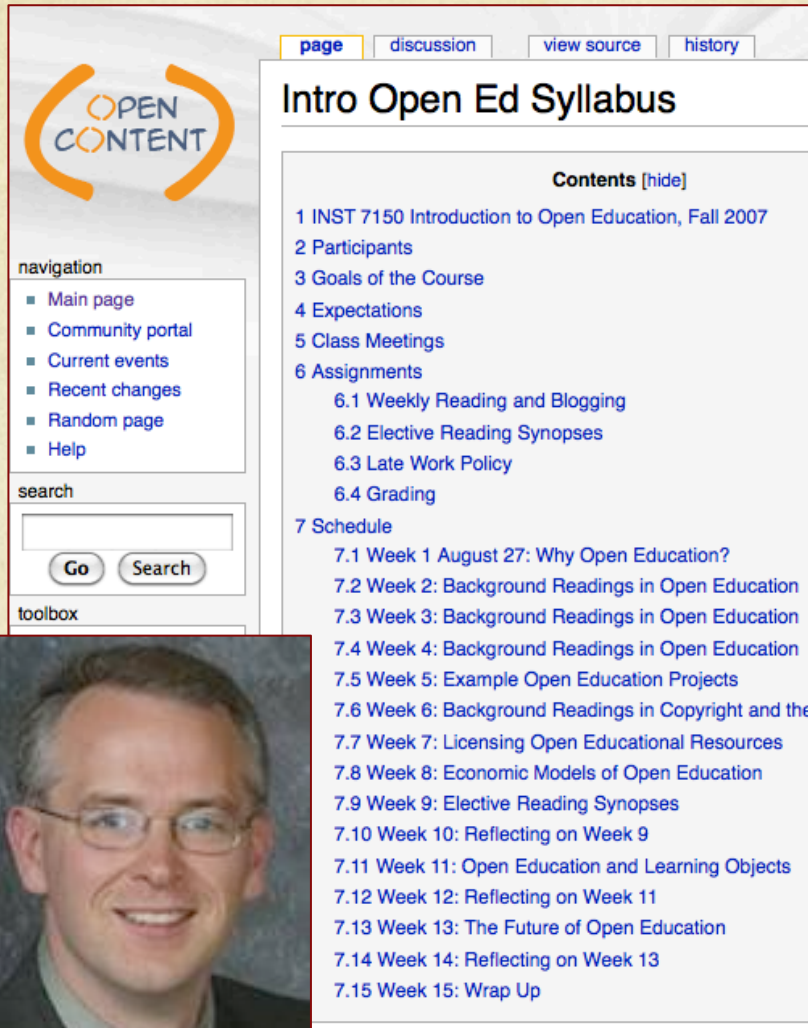


As we watch, the world is changing

Education is changing,
learning is changing,
curriculum is changing

We don't just post
traditional courses online
any more

Here's a short history...



The screenshot shows a web page from the Open Content Wiki. At the top left is the Open Content logo. Below it is a navigation menu with links for Main page, Community portal, Current events, Recent changes, Random page, and Help. To the right of the navigation menu is a search box with 'Go' and 'Search' buttons. The main content area is titled 'Intro Open Ed Syllabus' and has tabs for 'page', 'discussion', 'view source', and 'history'. Below the title is a 'Contents [hide]' section with a list of course topics and weeks, including '1 INST 7150 Introduction to Open Education, Fall 2007', '2 Participants', '3 Goals of the Course', '4 Expectations', '5 Class Meetings', '6 Assignments' (with sub-items 6.1-6.4), and '7 Schedule' (with sub-items 7.1-7.15).



2007: The Wiley Wiki

An Open Course based
in a wiki

Participants from
around the world
contributed to the
creation of the course

[http://www.opencontent.org/wiki/index.php?title=Intro Open Ed Syllabus](http://www.opencontent.org/wiki/index.php?title=Intro+Open+Ed+Syllabus)

EC&I 831: Social Media & Open Education

Open, Connected, Social

Current & Archived Synchronous Sessions

CURRENT - Fall 2010:

- September 14, 2010 - [Introductions, Assessments, & Activities](#) (For-Credit Students Only)
- September 21, 2010 - [Social Tools & Personal Learning](#) (For-Credit Student Only)
- September 28, 2010 - [History of Educational Technology & Learning Communities](#) ([Richard Schwier](#))
- October 5, 2010 - [Learning Communities](#) - ([Sheryl Nussbaum-Beach](#))
- October 12, 2010 - [Day in the Life of a Connected Teacher](#) (Zoe Branigan-Pipe)
- October 19, 2010 - [Midterm Breather](#) - Deconstructing the Experience So Far
- October 26, 2010 - [Open & Networked Learning](#) (Alec Couros)
- November 2, 2010 - [\(Digital\) Identity](#) - (Dean Shareski)
- November 9, 2010 - [The UnSession](#) - (Various Topics by #eci831 Students)
- November 16, 2010 - [Role of Educator in a PLE World](#) (Stephen Downes)
- November 23, 2010 - [Learning Networks and 21st Century Literacy](#) - (Will Richardson)
- November 30, 2010 - [Final Conversations](#) (Part I)
- December 7, 2010 - [Final Conversations](#) (Part II)

Navigation

- Home
- About the Course
- Assessments
- Course Tags
- Student Directory (For-Credit Only)
- Readings
- Calendar - Weekly Sessions
- Tutorials

Information

- Call for Netw

Actions

- Wiki Home
- Join this
- Discussio
- Recent C
- Manage

- Search

Other stuff

- Session



2007: Alec Couros Social Media and Open Education

Open online course sessions with guest experts from around the world

<http://eci831.wikispaces.com/Session+List>

Log in / create account

[page](#) | [discussion](#) | [view source](#) | [history](#)

Connectivism 2008

Welcome to the **Connectivism and Connective Knowledge Online Course** support wiki.

Conference tags: CCK08

This page is also available in: [Spanish](#), [Portuguese](#), [Italian](#), [Hungarian](#), [Chinese](#) (Simplified Character Version), and [German](#). See also [this short post](#) on making surfing in China easier]

This course also has a FaceBook group at [CCK08](#)

Contents [hide]

- 1 Please enter your email address here if you'd like to be involved (either for free participation or to enroll for credit).
- 2 Course blog is available here
- 3 Course Details
- 4 Weekly Activities
- 5 Learner Assignments and Evaluation
- 6 Course Links
- 7 Pre-week 1
- 8 Week 1: What is Connectivism? (September 8-14)
- 9 Week 2: Rethinking epistemology: Connective knowledge (September 15-21)
- 10 Week 3: Properties of Networks (September 22-28)
- 11 Week 4: History of networked learning (September 29-October 5)
- 12 Week 5: Connectives and Collectives: Distinctions between networks and groups (October 6-12)
- 13 Week 6: Complexity, Chaos and Randomness (October 13-19)
- 14 Week 7: Instructional design and connectivism (October 20-26)
- 15 Week 8: Power, control, validity, and authority in distributed environments (October 27-November 2)
- 16 Week 9: What becomes of the teacher? New roles for educators (November 3-9)
- 17 Week 10: Openness: social change and future directions (November 10-16)
- 18 Week 11: Systemic change: How do institutions respond? (November 17-23)
- 19 Week 12: The Future of Connectivism and Directions in Research (November 24-30)
- 20 Short Paper 1: Your position on Connectivism

LTC
Learning Technologies Centre

navigation

- Main Page
- Recent changes
- Random page
- sandbox
- Help

ltc links

- LTC Website
- Activities
- Workshops and Resources
- Teaching with Technology

um projects


- Educational Psychology

search

Go Search

toolbox

- What links here
- Related changes
- RSS Atom



2008: CCK08

Stephen Downes, George Siemens

The First Massive Open Online Course (MOOC)

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

Why is CCK08 the First MOOC?

It combines *open content* (Wiley) and *open teaching* (Couros)



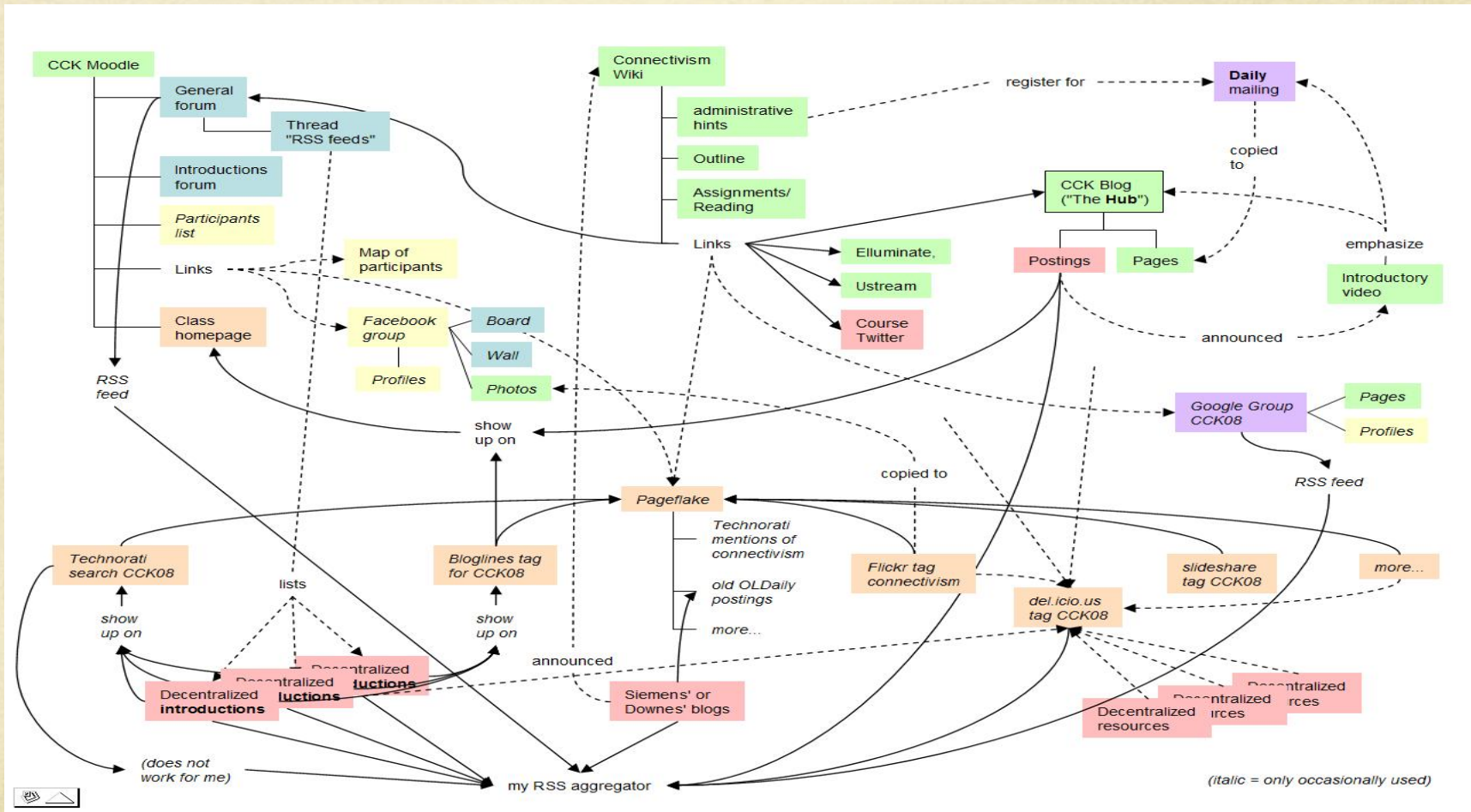
But also...

It supports *Massive Participation*

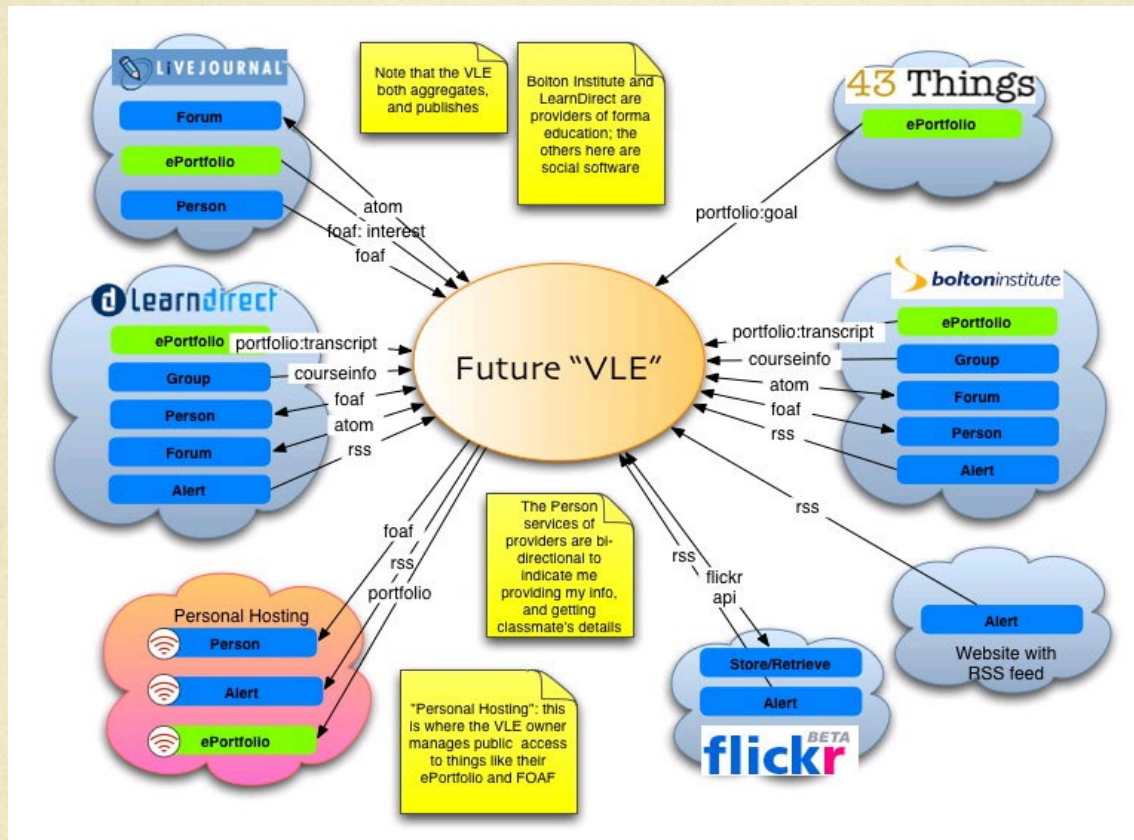
It does this by adopting a *Connectivist* pedagogy and structure



It is a Learning Network

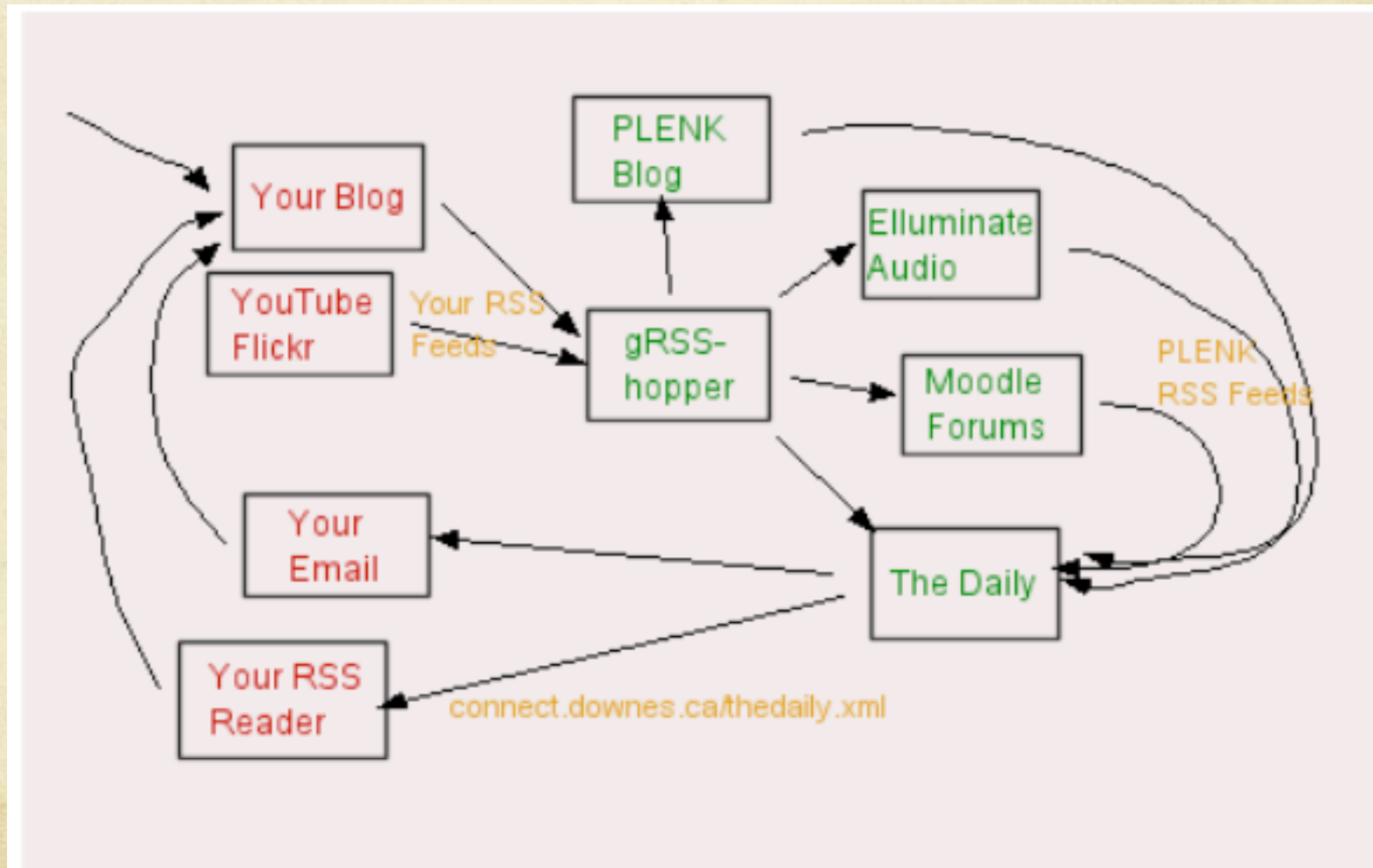


2006: The Personal Learning Environment



The Scott Wilson Diagram displaying a distributed learning architecture

The Connectivist Architecture



gRSShopper RSS Feed Harvesting

List Feed ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.downes.ca/cgi-bin/admin.cgi?db=feed&action=list&numbe

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... Connectivism & Connective K... Manage Subscriptions ~ gRSShopper List Feed ~ Stephen's Web

Listing 0 to 1000 of 539 feeds

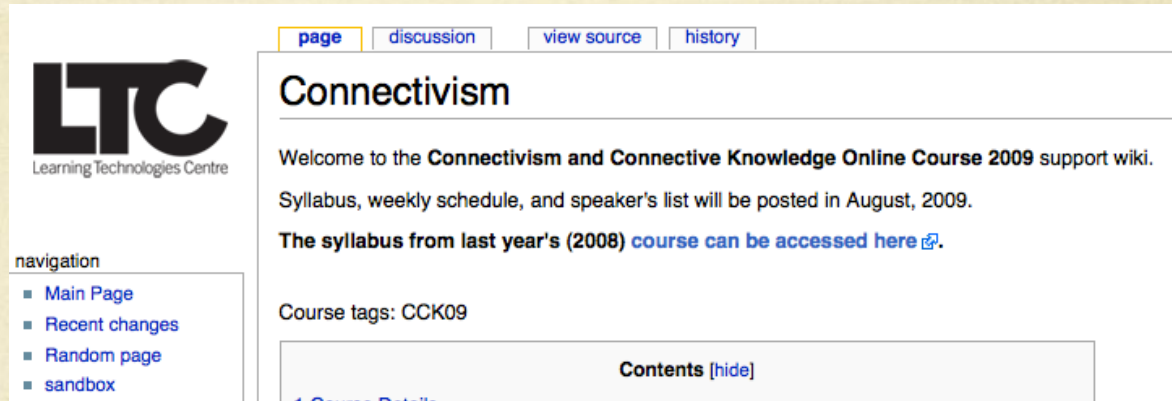
- [Harvest][Retire] 39 Links: 0xDECAPBAD (cyberculture)
- [Harvest][Retire] 60 Links: 28 years later (edubloggers)
- [Harvest][Retire] 262 Links: 2Â¢ Worth (edubloggers)
- [Harvest][Retire] 6 Links: 42/1 (edubloggers)
- [Harvest][Retire] 41 Links: 7 Days and More (edubloggers)
- [Harvest][Retire] 47 Links: : e-LearningNow : (news---ed)
- [Harvest][Retire] 100 Links: A Difference (edubloggers)
- [Harvest][Retire] 43 Links: A List Apart (design)
- [Harvest][Retire] 12 Links: A poke with a sharp stick (edubloggers)
- [Harvest][Retire] Links: A2K v DMCA in Australia (edubloggers)
- [Approve] 9 Links: Abel Newsletter (news---ed)
- [Approve] 16 Links: Abel Newsletter (news---ed)
- [Harvest][Retire] 78 Links: Abject Learning (edubloggers)
- [Harvest][Retire] 73 Links: Academic Commons - (news---ed)
- [Harvest][Retire] Links: Access - The News University Training Blog (media)
- [Harvest][Retire] Links: Accidental Pedagogy (edubloggers)
- [Harvest][Retire] 121 Links: ACRLog (edubloggers)
- [Harvest][Retire] 56 Links: Adaptive Learning (edubloggers)
- [Harvest][Retire] 36 Links: ADLNet.gov Event RSS Feed (news---ed)
- [Harvest][Retire] 44 Links: ADLNet.gov General News RSS Feed (news---ed)
- [Harvest][Retire] 28 Links: adult and community e-learning: uk [ace:uk] (edubloggers)
- [Harvest][Retire] 40 Links: Adventures in Educational Blogging (edubloggers)
- [Approve] 1 Links: Alan November Weblog (edubloggers)
- [Harvest][Retire] 24 Links: always edubloggers (edubloggers)

Done



<http://grssshopper.downes.ca/>

2009: CCK09, Connect Your PLN



The screenshot shows a wiki page titled "Connectivism" from the Learning Technologies Centre (LTC). The page includes a navigation menu with links for "Main Page", "Recent changes", "Random page", and "sandbox". The main content area features a welcome message, a syllabus schedule for August 2009, and a link to the 2008 course syllabus. A "Contents" section is partially visible, showing "1 Course Details".

LTC
Learning Technologies Centre

page | discussion | view source | history

Connectivism

Welcome to the **Connectivism and Connective Knowledge Online Course 2009** support wiki.
Syllabus, weekly schedule, and speaker's list will be posted in August, 2009.
The syllabus from last year's (2008) course can be accessed here [↗](#).

Course tags: CCK09

Contents [\[hide\]](#)

1 Course Details

<http://ltc.umanitoba.ca/wiki/Connectivism>



<http://plnlab.pbworks.com/w/page/17277257/FrontPage>

Personal Learning Networks

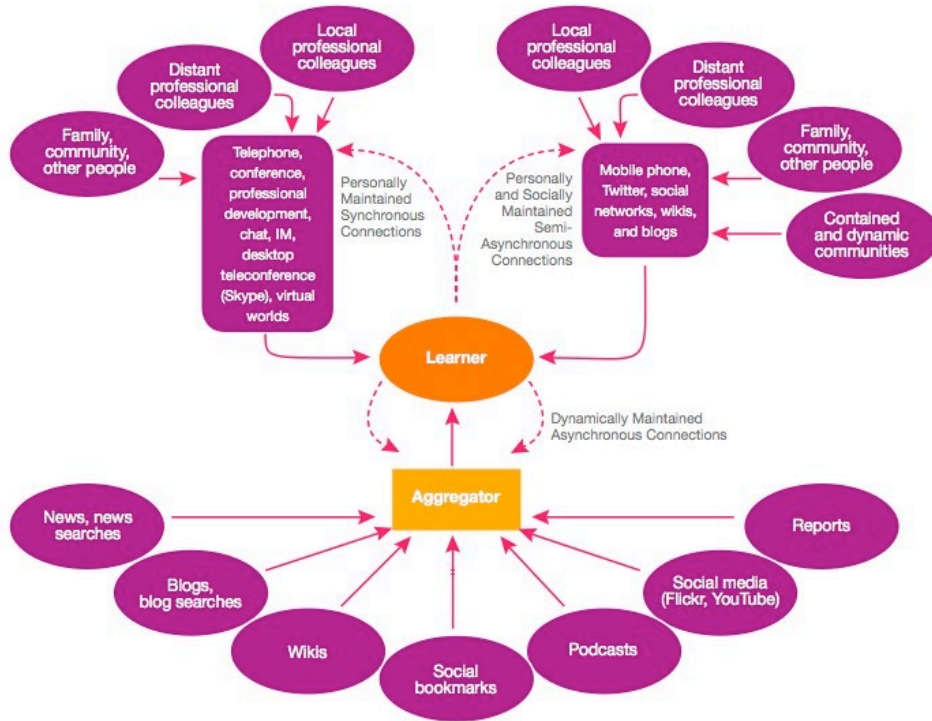


Will Richardson



Dave Warlick

MANY PLN PATHS



The networked learner receives information from various sources and in turn becomes a source for others' PLNs.

<http://www.youtube.com/watch?v=mghGV37TeK8>

<http://davidwarlick.com/wiki/pmwiki.php>

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



PLENK2010

Personal Learning Environments
Networks and Knowledge 2010

[home](#) [discussion](#) [wiki](#) [the daily](#) [blog](#) [live sessions](#) [recordings](#) [about](#)

YOU ARE NOT LOGGED IN. [\[LOGIN\]](#) [\[REGISTER\]](#)

Schedule

WEEK OF...
12TH SEPTEMBER 2010
[A TOUR OF PLEs AND PLNs](#)

19TH SEPTEMBER 2010
[CONTRASTING PLEs WITH LMSS](#)

26TH SEPTEMBER 2010
[THE NEXT/EXTENDED WEB](#)

3RD OCTOBER 2010
[PLE/PLN AND LEARNING THEORIES](#)

10TH OCTOBER 2010
[EVALUATING LEARNING IN PLE/NS](#)

17TH OCTOBER 2010
[USING PLEs SUCCESSFULLY](#)

24TH OCTOBER 2010
[PLE/PLN AND LEARNING THEORIES](#)

Welcome to the Course



PLENK 2010

If you would like to register for PLENK2010 there's still time to register.
[Click here to Register](#)

PLENK 2010 involved a significant research effort

<http://connect.downes.ca/>

PLENK Analytics



Rita Kop

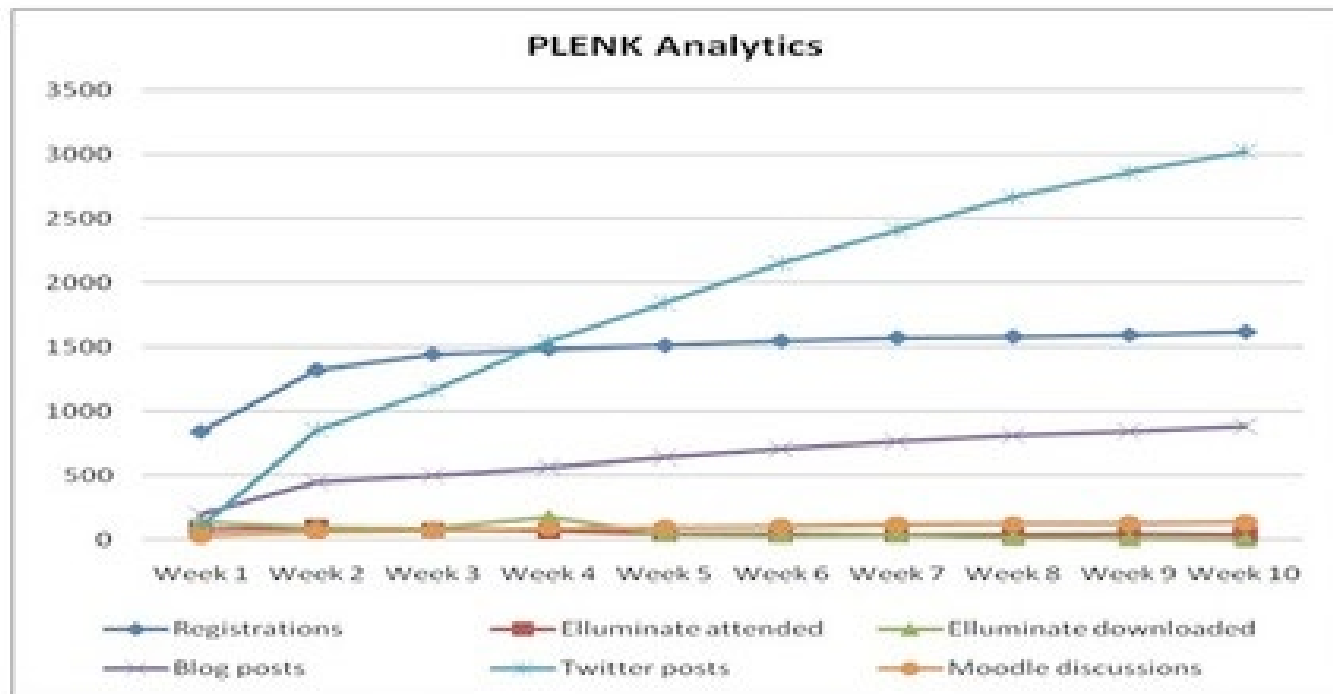
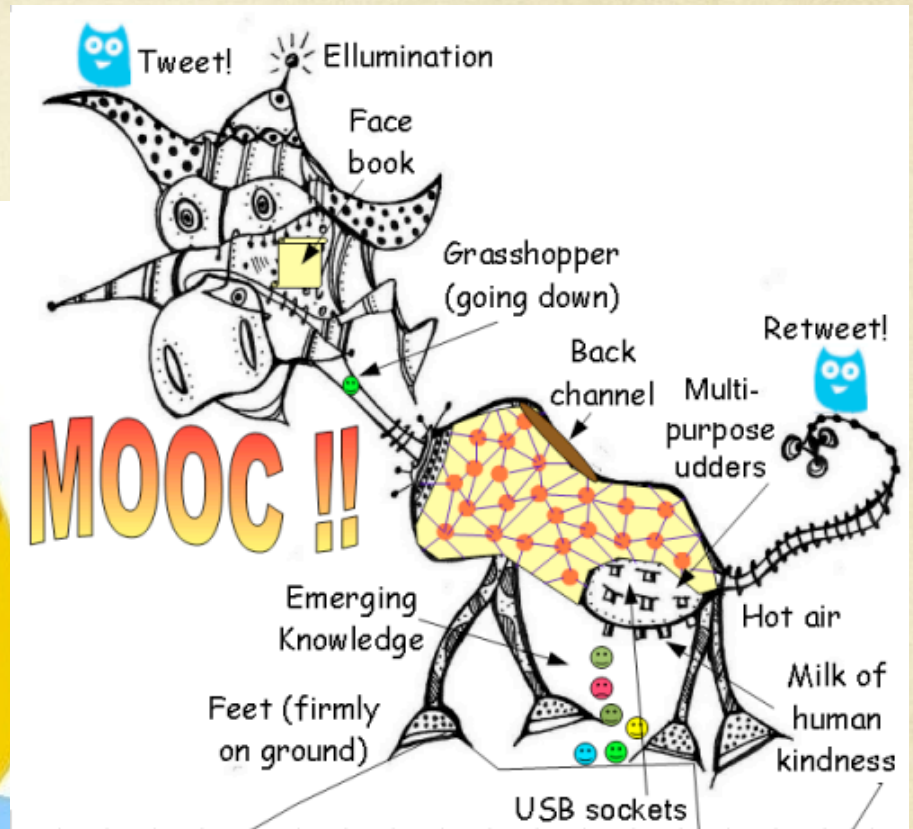
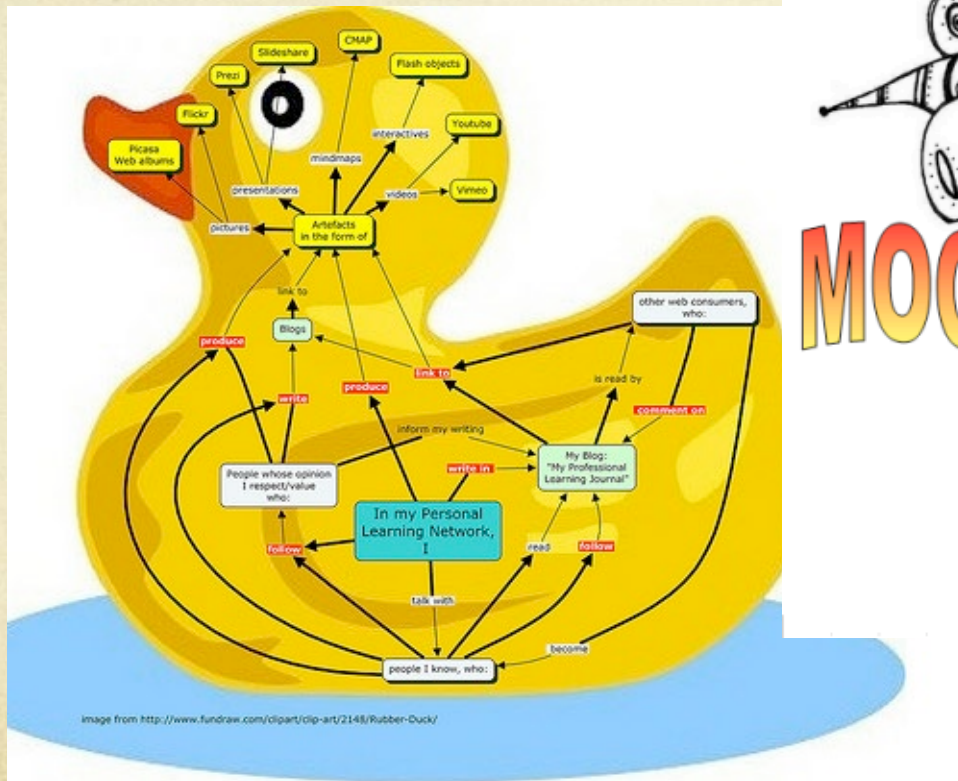


Chart 2. PLENK participation rates.

Supporting ongoing MOOC participation

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

The Anatomy of a MOOC



Critical Literacies

A frame for understanding new media
Morris, Derrida and a little Lao Tzu

| | |
|------------|-----------|
| Syntax | Cognition |
| Semantics | Context |
| Pragmatics | Change |

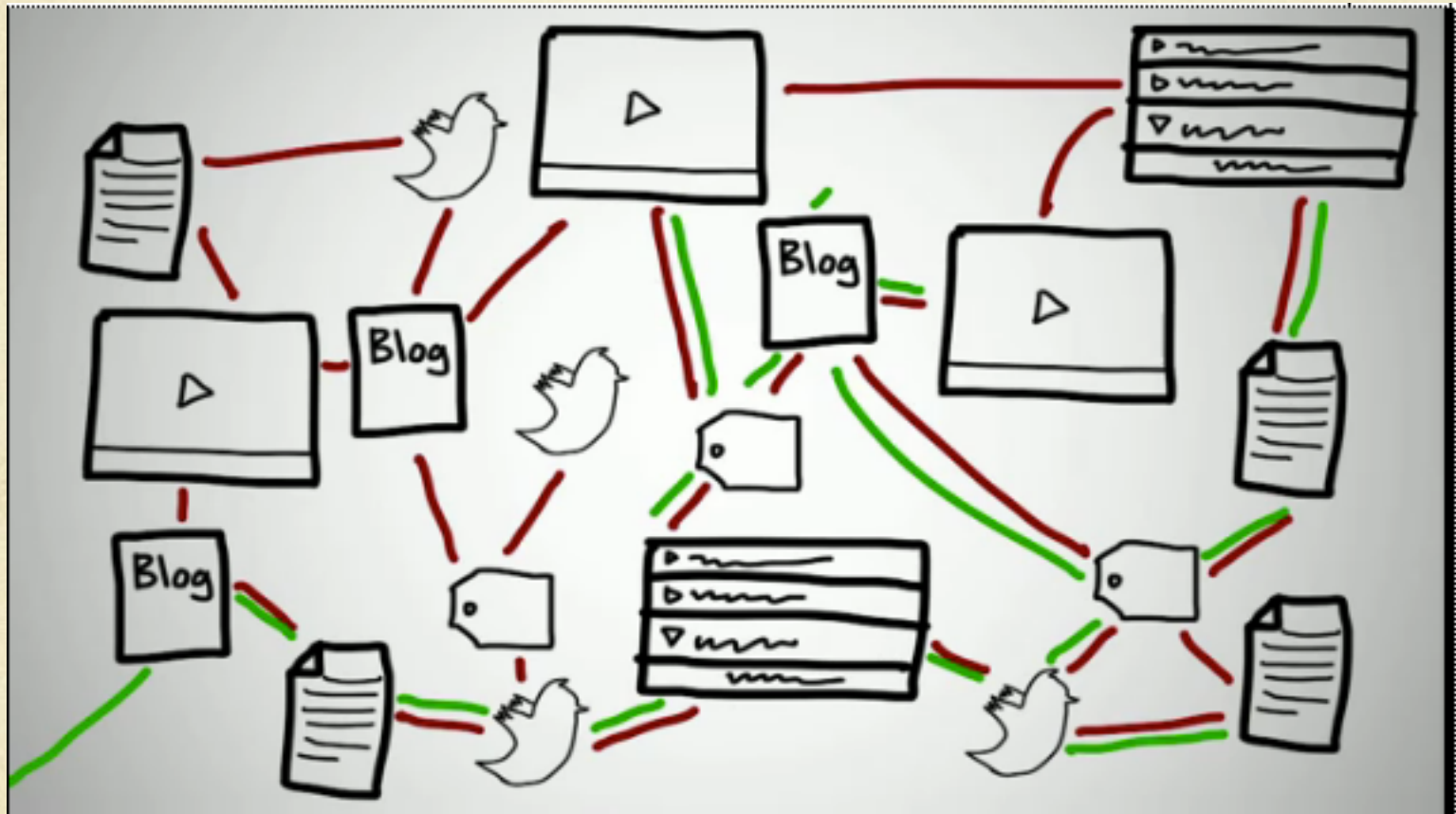


Understanding how we use artifacts to *communicate* in online and other learning networks

2011: Year of the MOOC



Connectivism & Connective Knowledge



CCK11: How to Learn in a MOOC

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

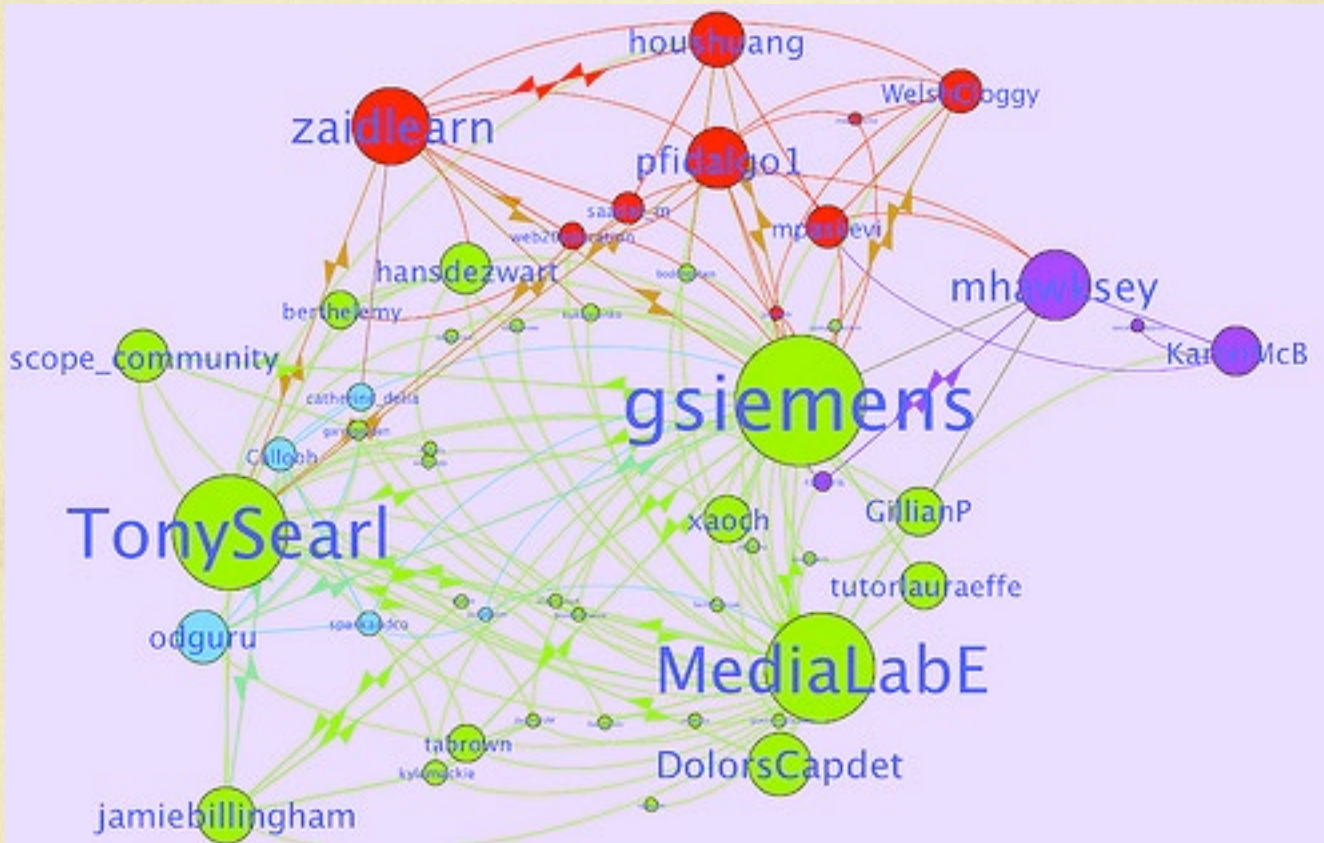
How to be Successful in a MOOC



Dave Cormier

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

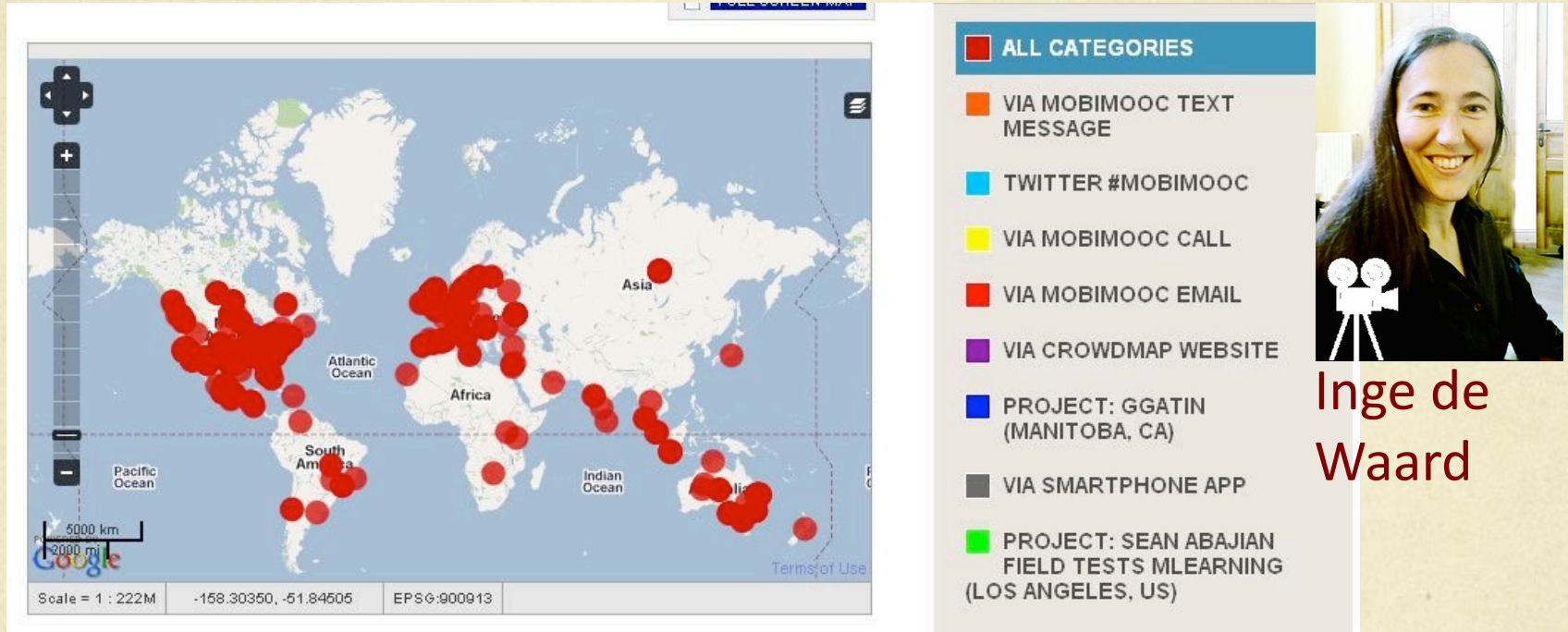
Learning Analytics



LAK11: How to measure success in a MOOC

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

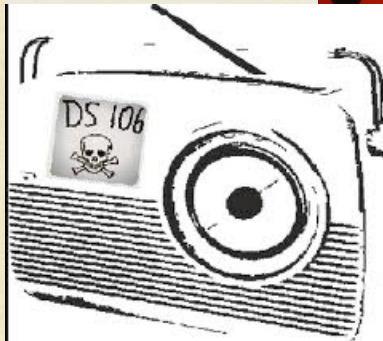
MobiMOOC



Supporting Mobile Learning Technology

<http://mobimooc.wikispaces.com/>

The madness and mayhem of DS106



Jim Groom

DS = Digital Storytelling

DS106 redefined activities and participation


<http://ds106.us/>

eduMOOC

University of Illinois Springfield A-Z Index | Search UIS



**Welcome to the
University of Illinois Springfield**

At the time of an event, click the play button for the live webcast.



PLAY

**UNIVERSITY OF ILLINOIS
SPRINGFIELD**

00:00 00:00

▶ PLAY FULLSCREEN  MUTE 

eduMOOC
**Online Learning Today...and
Tomorrow**

 Join the conversation

Use the #edumooc8 hash when you tweet your comments:

46

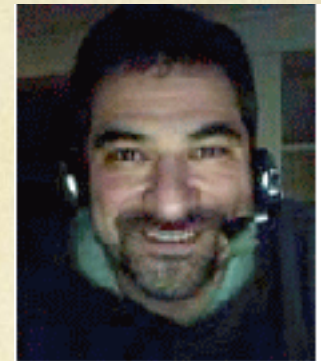
Join the Twitter Back Channel.
(Twitter account needed. [Login](#)
info requested on next screen.)

Copyright © University of Illinois Springfield UIS Live Home Page

Large, well publicized, but not very interactive

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

eduMOOC underground



Jeff
Lebow

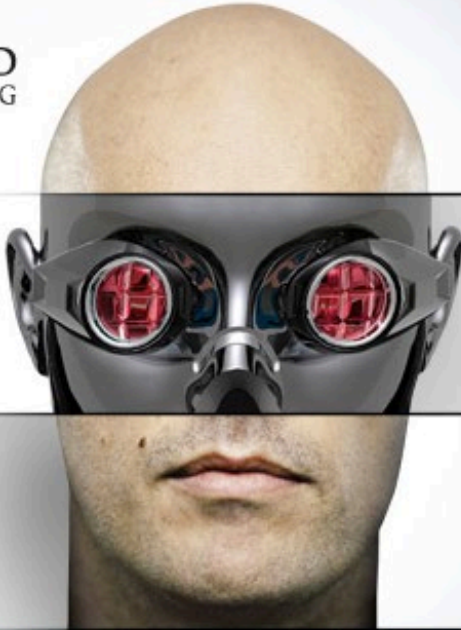
Jeff Lebow, Google+ hangout, and Livestream:
Taking something ordinary, and making it something
special – YOU make the MOOC

<http://www.livestream.com/jefflebow/>

AI-Class: Redefining Massive



Oct. 10 ~ DEC. 16, 2011



INTRODUCTION TO

Artificial Intelligence

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 pre-registration

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

Change 2011



Downes, Cormier and Siemens try again

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

<http://change.mooc.ca>



So what is a MOOC? What does a MOOC do?



It is a forum for dialogue and reflection on topics and experiences...



... where we can discuss with
international experts in the field...



... and train and update ourselves in trends worldwide...



... and develop of reflective and
research working groups...



... promoting inter-agency
cooperation...



and strengthening and developing the
organization



Stephen Downes
<http://www.downes.ca>