

Connectivism: A Theory of Personal Learning

Stephen Downes
December 3, 2008



What Carleton Means To Me



What is my personal learning environment?

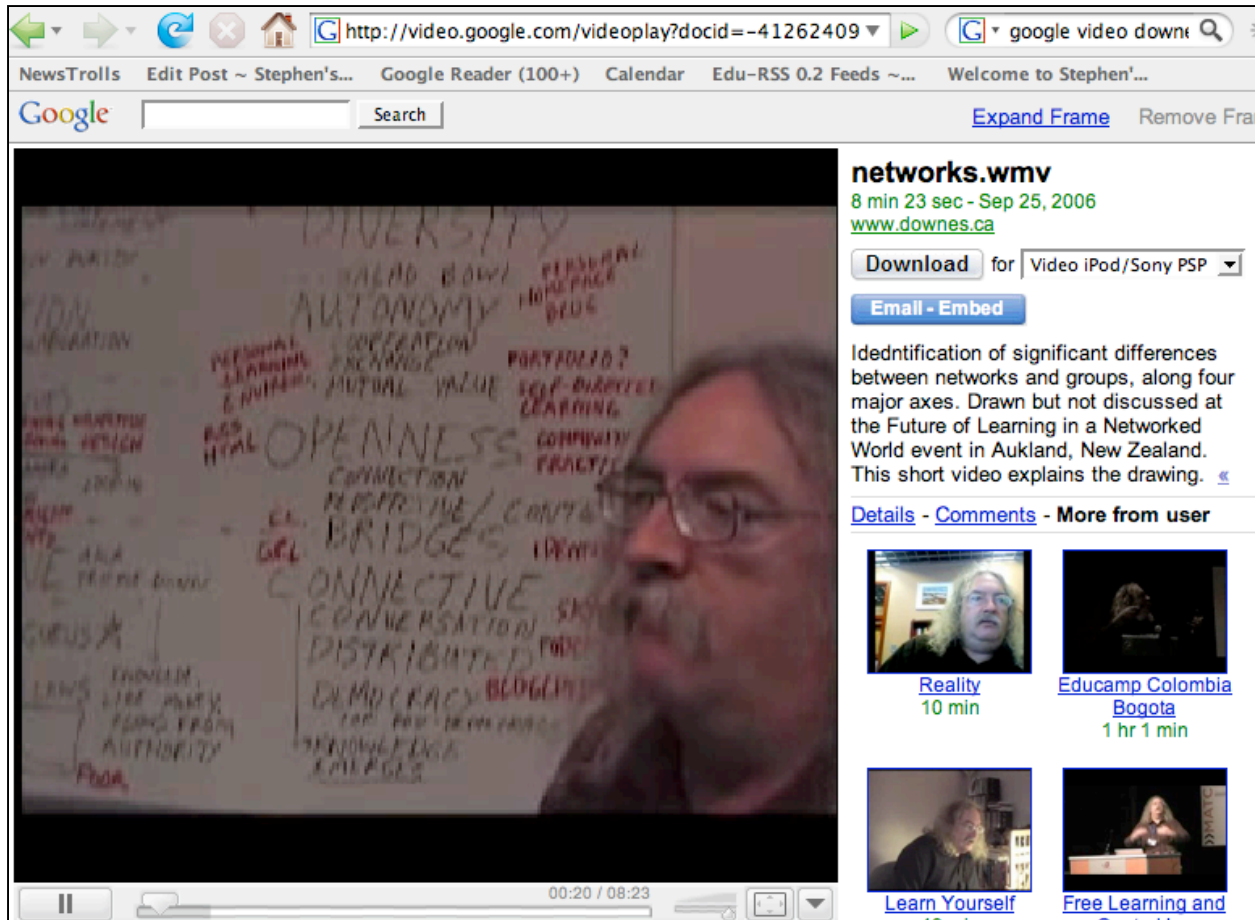


- A place to store (and share) my photos

The screenshot shows the Flickr website interface. At the top left is the Flickr logo with the tagline "LOVES YOU". To the right, it says "Signed in as Stephen Downes". Below the logo is a navigation bar with links for "Home", "You", "Organize", "Contacts", "Groups", and "Explore", along with a search box. The main content area features a profile header for "Salut Stephen Downes!" with a small profile picture and the text "Now you know how to greet people in French!". Below this is a yellow notification box stating "You have 68 new messages." To the right of the notification are links for "Upload Photos" and "Your Photos". A "Flickr News" section contains a post from 28 Jan 08 about tagging photos, with a link to "read more news" and a link to the "Flickr Blog". At the bottom, there is a promotional banner for "Do more with your photos!" featuring icons for posters, books, and DVDs, and the text "Now there's even more you can do with your photos:". On the right side, there are photo thumbnails under the "Photos from your Contacts" section.

<http://www.flickr.com>

- A place to store (and share) my videos



The screenshot shows a video player interface. The video content features a man with glasses speaking in front of a whiteboard. The whiteboard is covered in handwritten notes in red and black ink, including the following terms: DIVERSITY, AUTONOMY, OPENNESS, BRIDGES, CONNECTIVE, CONVERSATION, DISTRIBUTED, DEMOCRACY, KNOWLEDGE, EMERGES, PERSONAL LEARNING ENVIRONMENT, MUTUAL VALUE, COMMUNITY PRACTICE, PORTFOLIO?, SELF-DIRECTED LEARNING, CONNECTION, REFLECTIVE/CONTINGENT, and IDENTIFICATION. The video player interface includes a progress bar at the bottom showing 00:20 / 08:23, and a sidebar on the right with video metadata and recommendations.

networks.wmv
8 min 23 sec - Sep 25, 2006
www.downes.ca

Download for Video iPod/Sony PSP

Email - Embed

Identification of significant differences between networks and groups, along four major axes. Drawn but not discussed at the Future of Learning in a Networked World event in Auckland, New Zealand. This short video explains the drawing.

Details - Comments - More from user

Reality 10 min
Educamp Colombia Bogota 1 hr 1 min
Learn Yourself
Free Learning and

<http://video.google.com/videoplay?docid=-4126240905912531540>

- A place to write an essay with my colleague in Montreal



The screenshot shows the Google Docs interface for a document titled "ECRA2008". The document was last edited on February 19, 2008, at 8:42 PM by Lemire. The interface includes a menu bar with "File", "Edit", "Insert", "Revisions", and "Edit HTML". Below the menu is a toolbar with various editing tools such as undo, redo, cut, copy, paste, bold, italic, underline, font color, background color, link, bulleted list, numbered list, indent, outdent, quote, text color, and strikethrough. The document content is enclosed in a dashed border and contains the following text:

Deadline : April 15th 2008 (abstracts) -Lemire 28/01/08 15:42

Don't worry about formatting the paper initially. See http://www.elsevier.com/wps/find/journaldescription.cws_h

Diversity in open social networks

Stephen Downes^a and Daniel Lemire^b

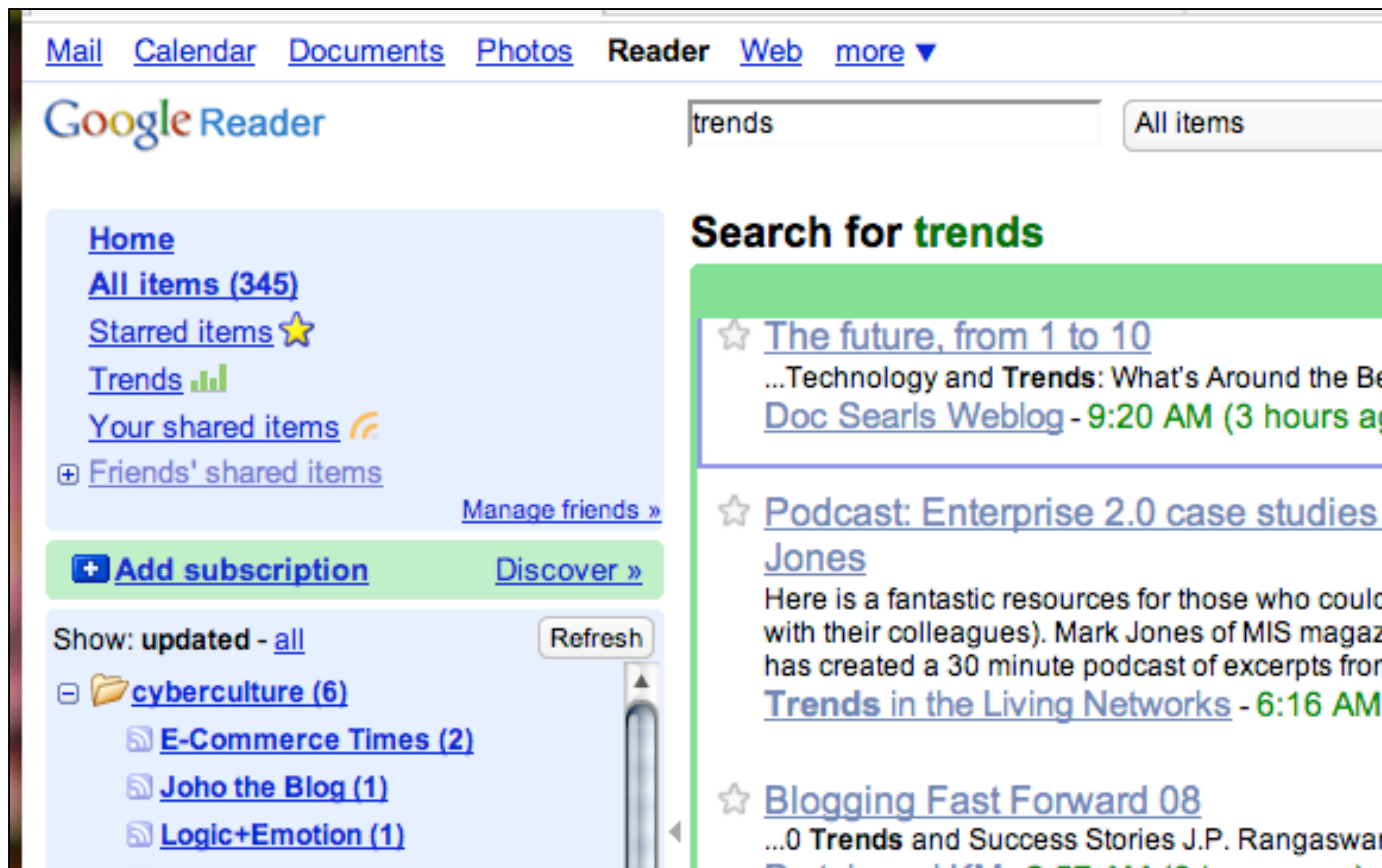
^a Institute for Information Technology, National Research Council of Canada, Moncton, Canada

^b LICEF, Université du Québec à Montréal, Montréal, Canada

Abstract

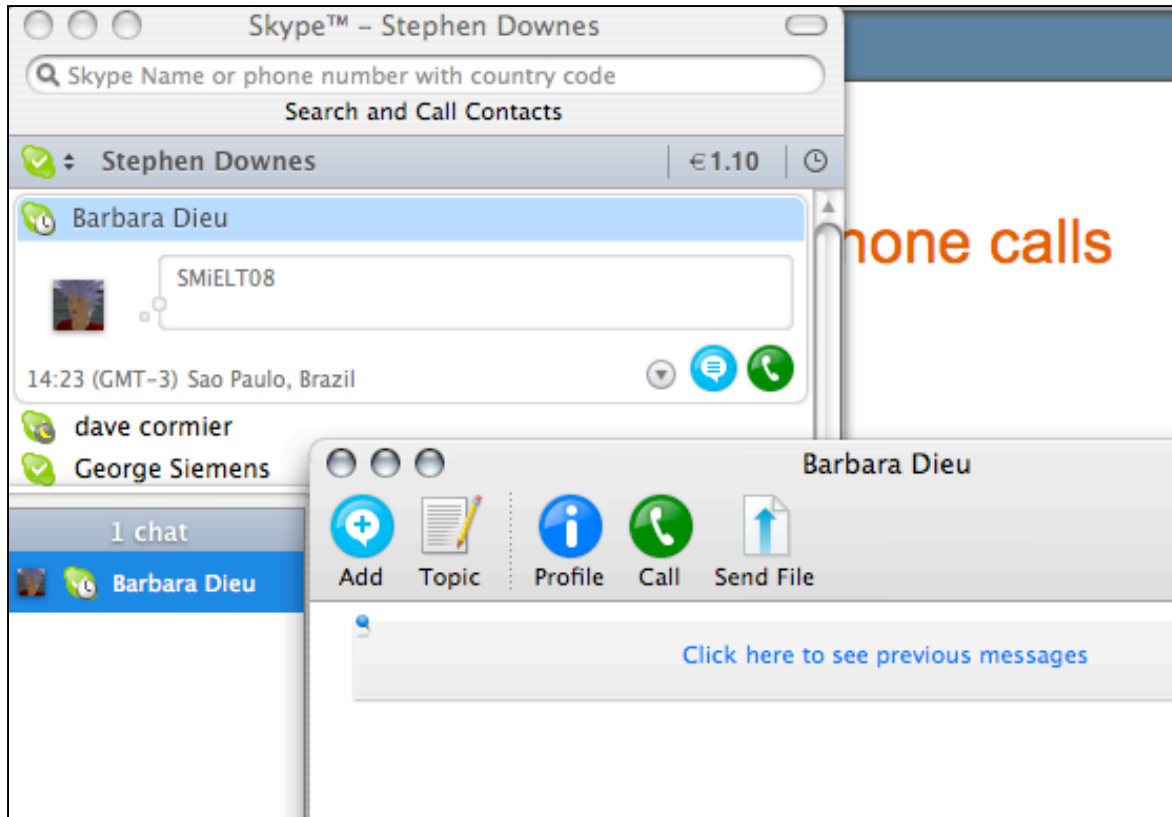
<http://docs.google.com>

- A way to stay up to date - *right*
up to date



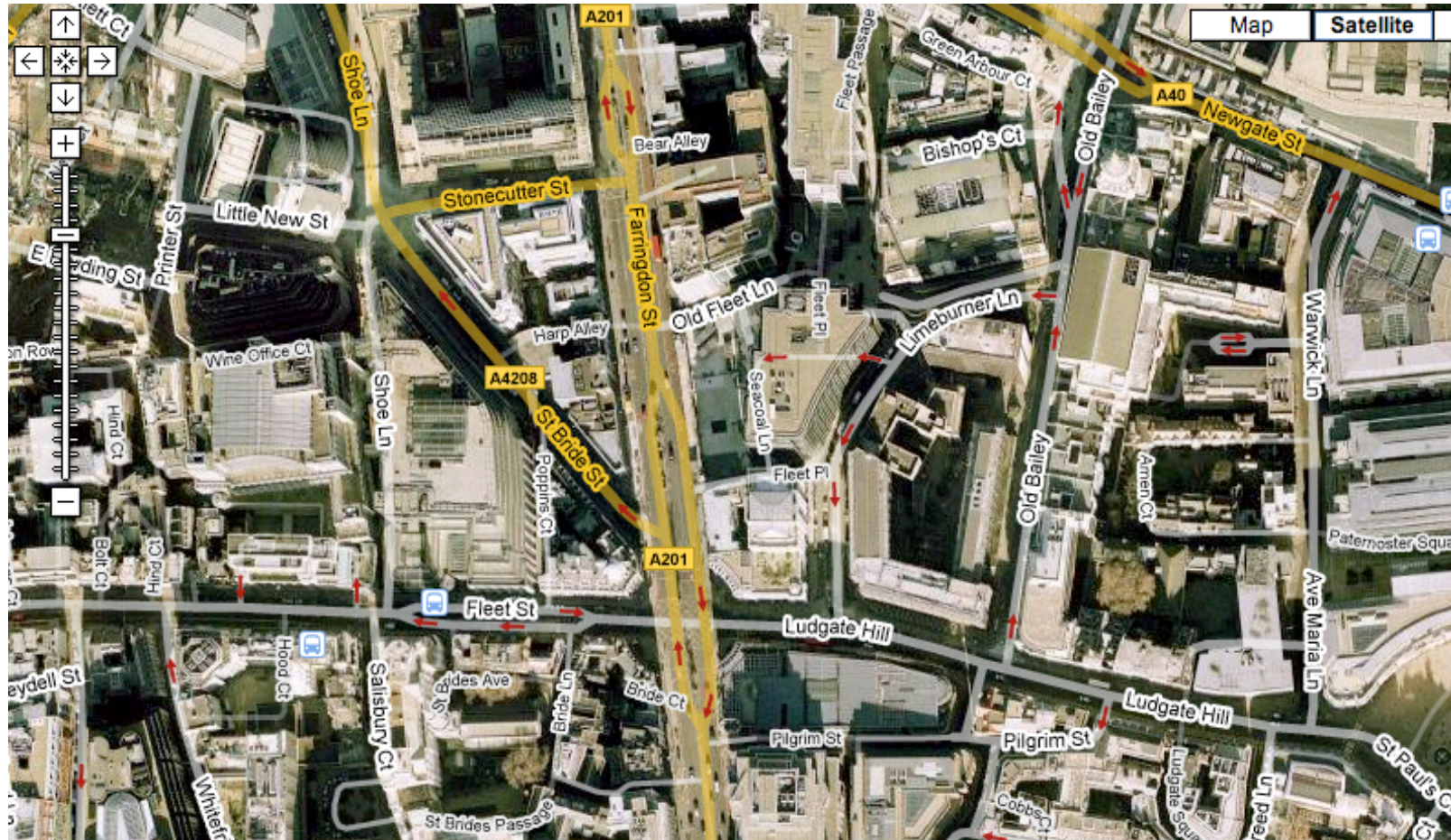
<http://www.google.com/reader>

- A way to save on phone calls



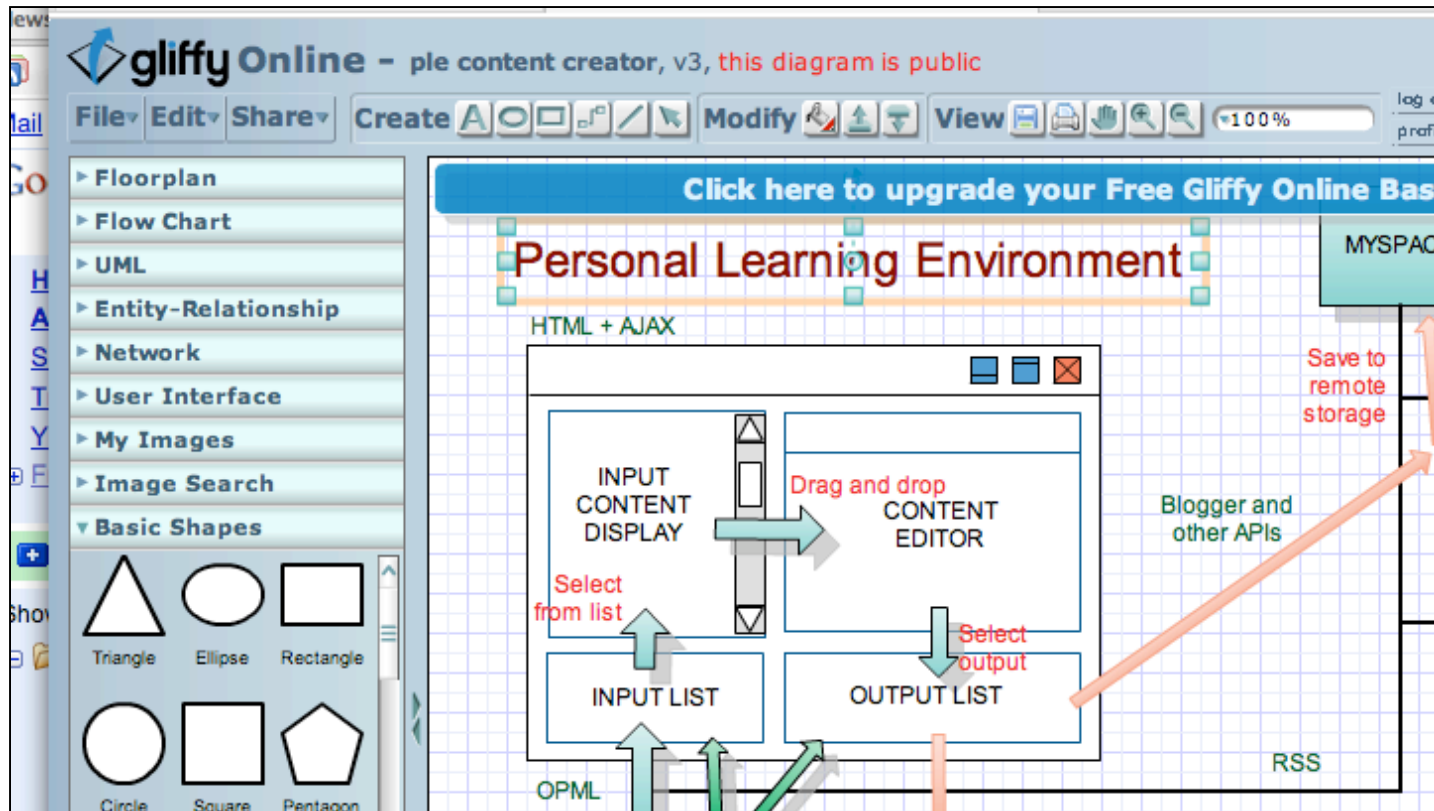
<http://www.skype.com>

- Knowing where I'm staying before I get there



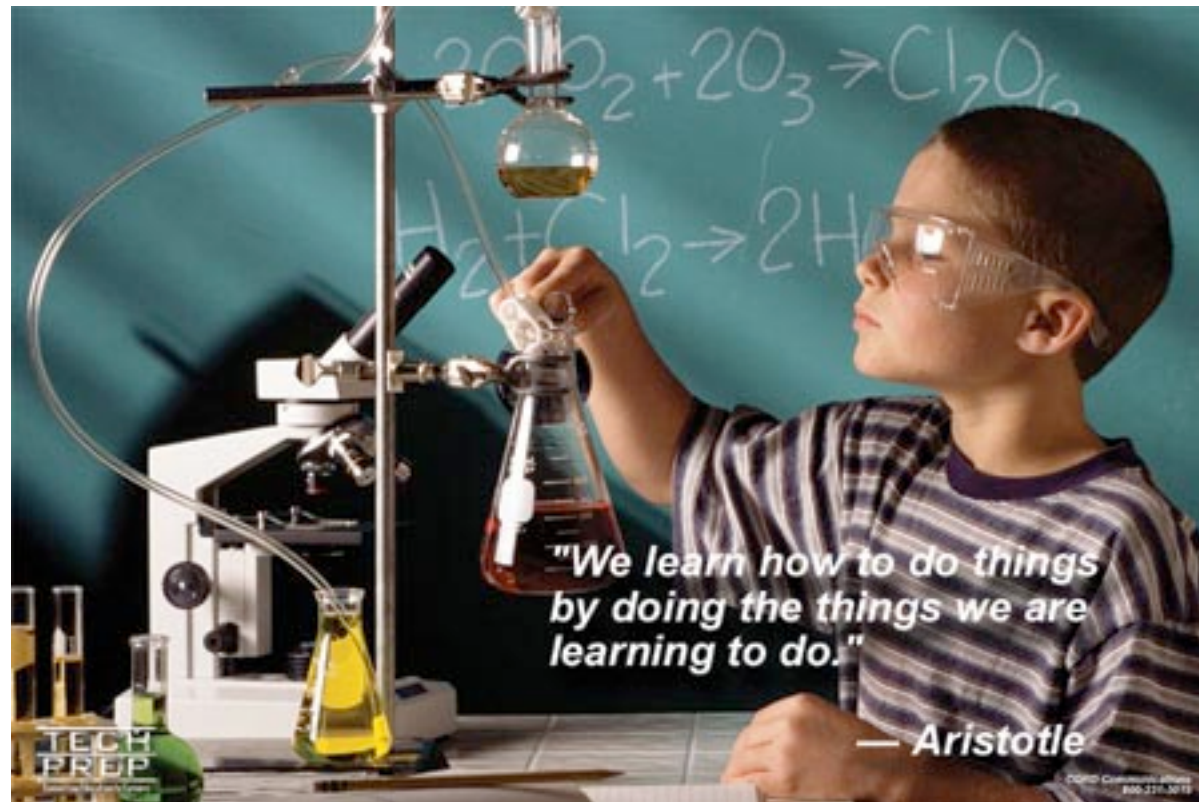
<http://maps.google.com>

- An Easy Way To Draw Pictures



<http://www.gliffy.com>

What does personal learning mean for learners?



- A world of free learning resources...



<http://educationvault.blogspot.com/2008/08/zaidlearn-ocw-oer-lists.html>

Don't like the word 'free'? Deal with it...

Three Views of Learning Resources:



1. Learning Resources as a *thing*

- Book, content object, etc

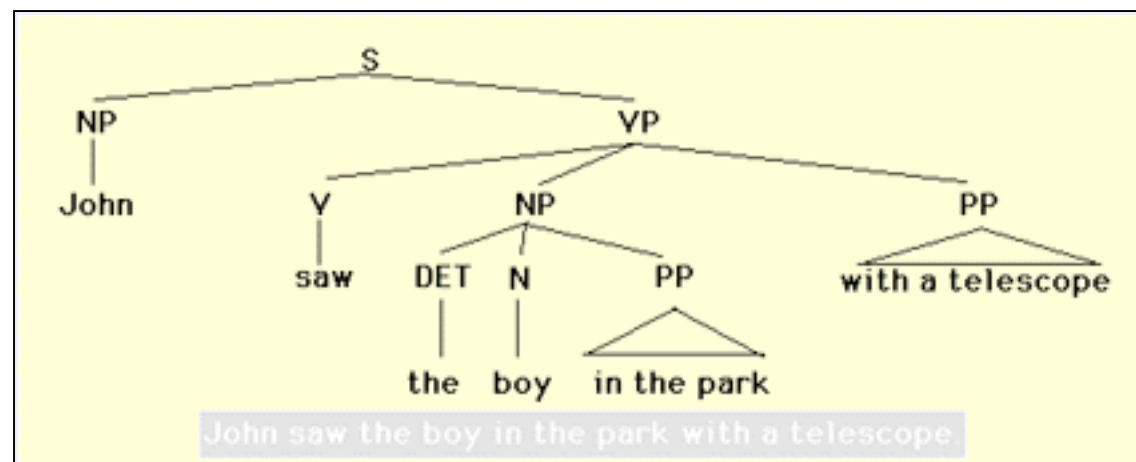


2. Learning Resources as *events*

- *Class, lecture, seminar, meeting*



- The first two models are *information-theoretic* and *medium-based* models
 - They stress *content*
 - They stress *rules*



3. Learning Resources as *flow*

- Stresses experience
- Stresses pattern recognition



What does personal learning
look like?



- User generated Content
 - Personal, opinionated



- Network of interactions

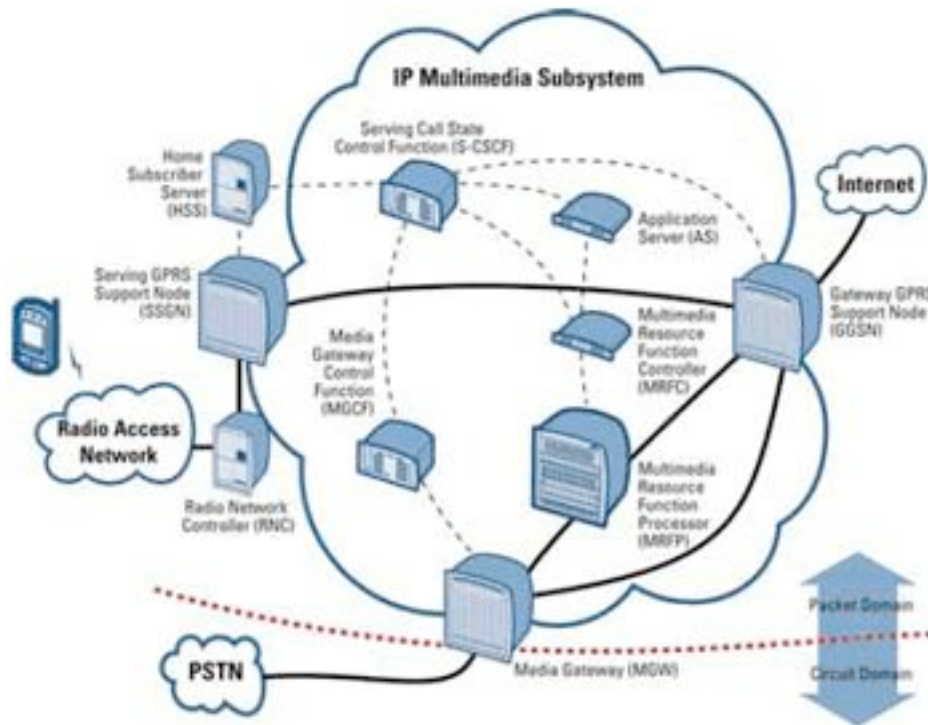


Figure 1: IP Multimedia Subsystem (IMS).

- Immersive Learning

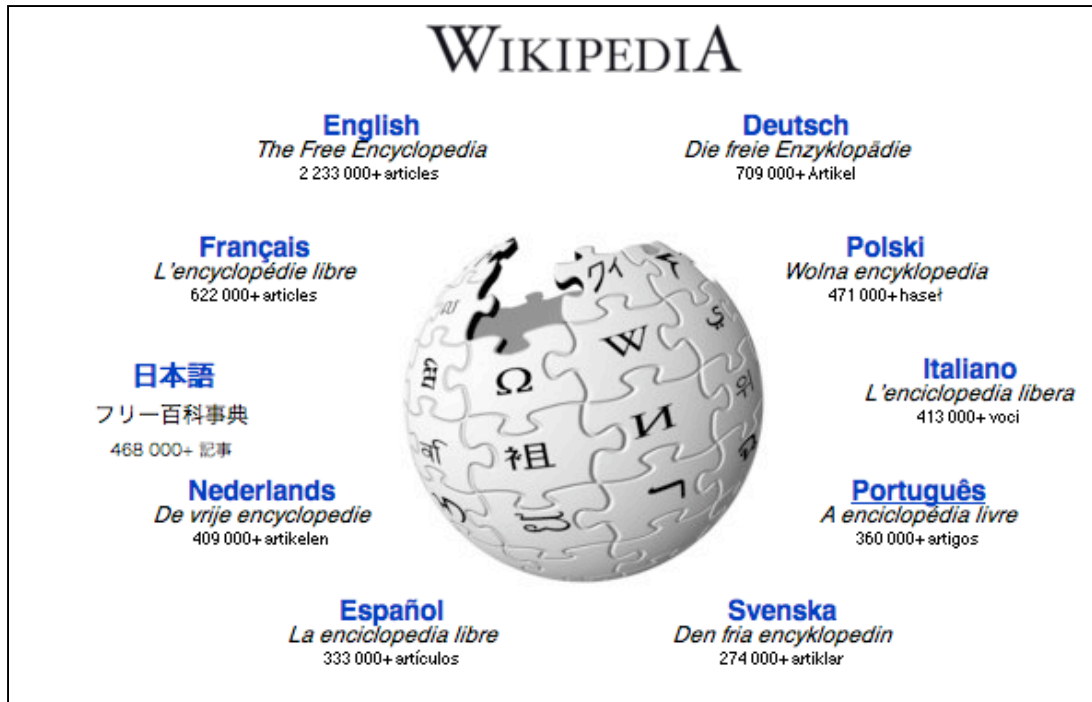


- **New Roles**

- For students - as creators of learning
- For teachers - as coaches and mentors
- For the rest of us - as teachers



- Web of user-generated content (eg. Wikipedia)...



<http://www.wikipedia.org>

Issues:

- Too much information, filtering info
- Too many sources to scan, new sources
- Localization, personalization, relevance

Response: Network Semantics



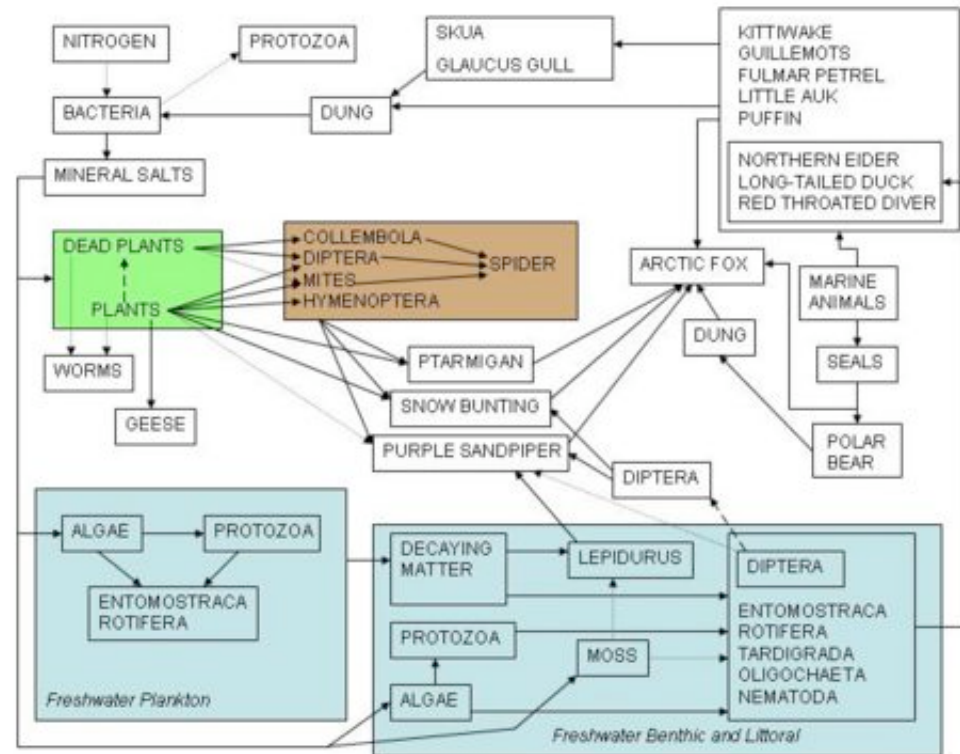
<http://epthinking.blogspot.com/2008/08/on-event-processing-network-and.html>

- Social networks and communities (entails a genuinely portable (and *owned*) identity)



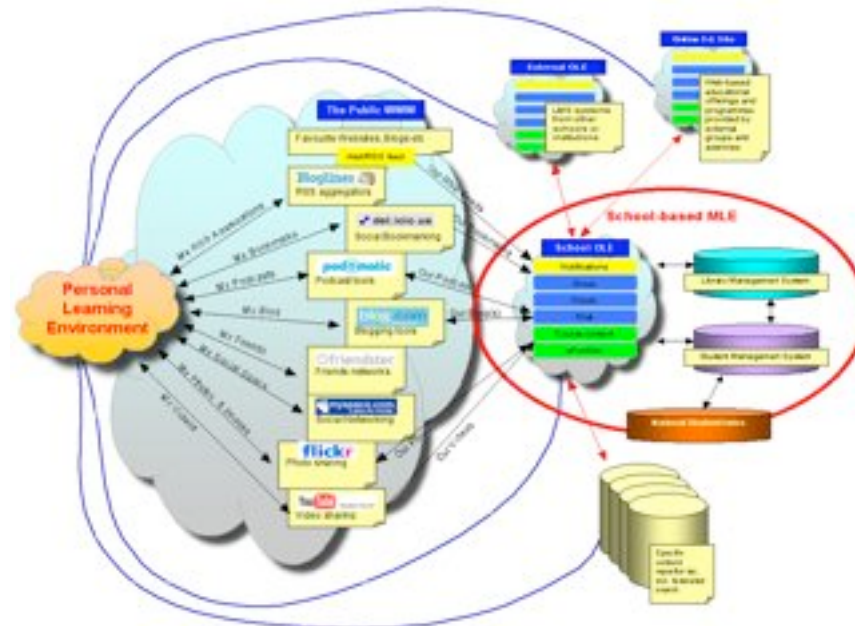
<http://www.facebook.com>

- Networks of interactions (aggregate, remix, repurpose, feed forward) – syndication



An ecology...

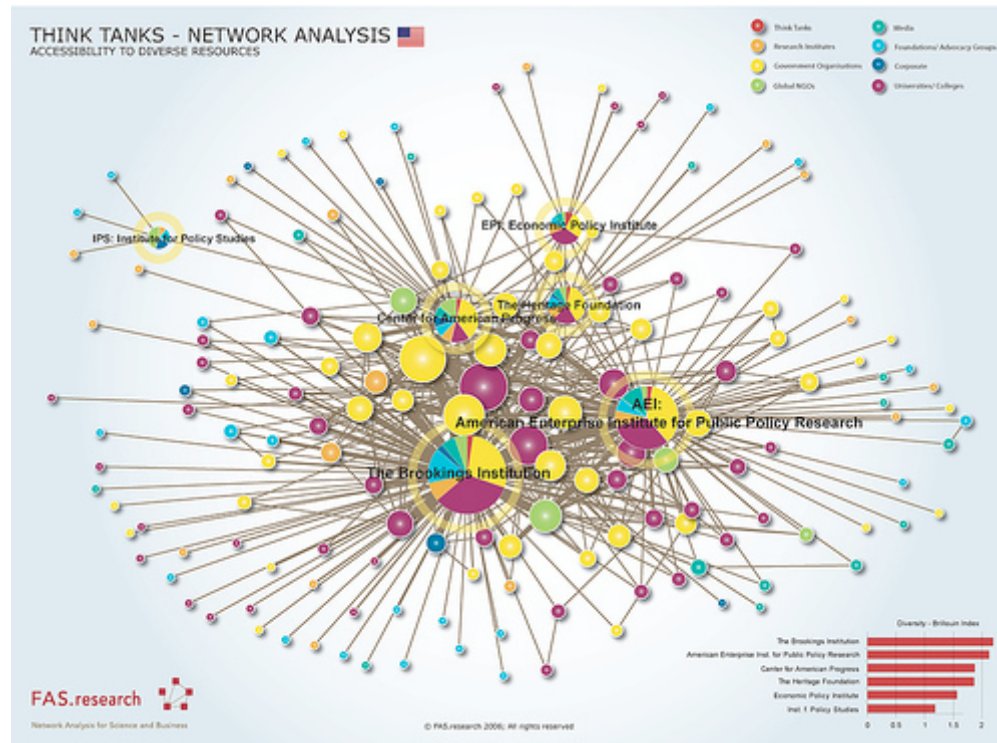
- The *personal* learning centre



Autonomy

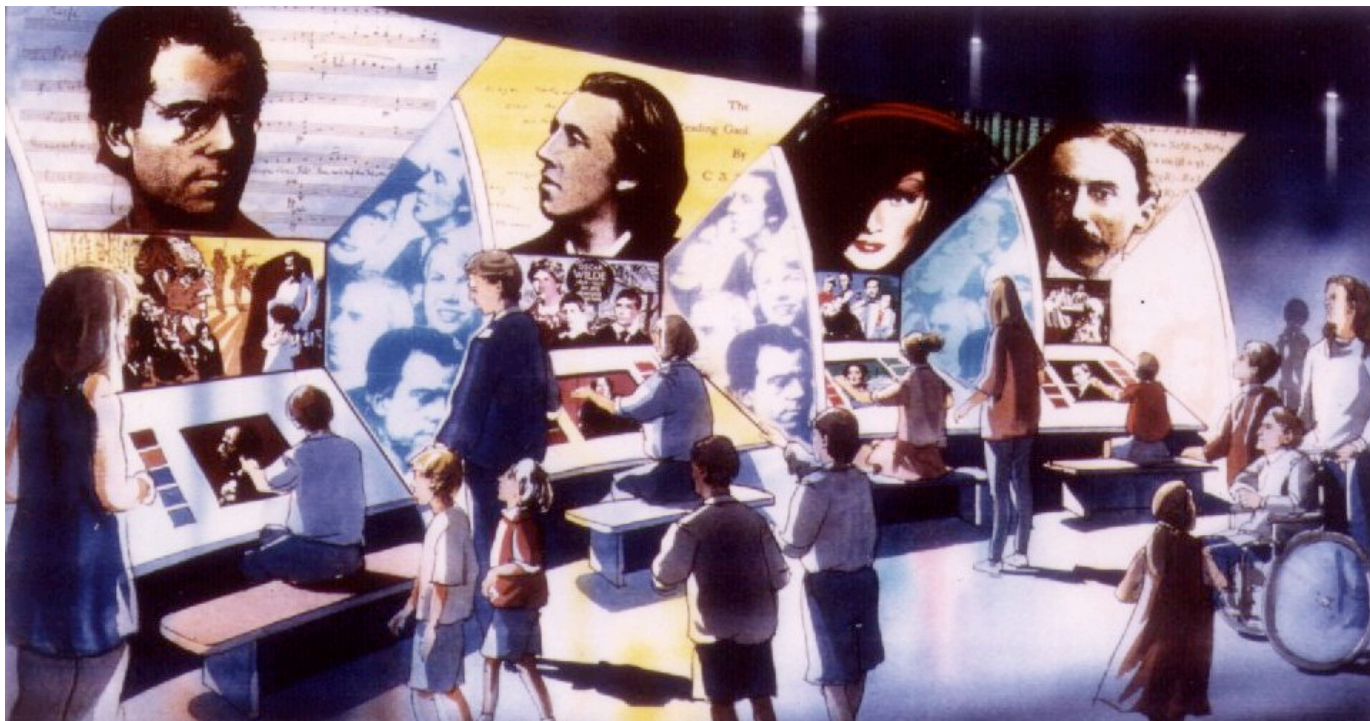
http://blog.core-ed.net/derek/2006/11/more_on_mles_and_ples.html

- The Network is Diverse – multiple views, multiple technologies



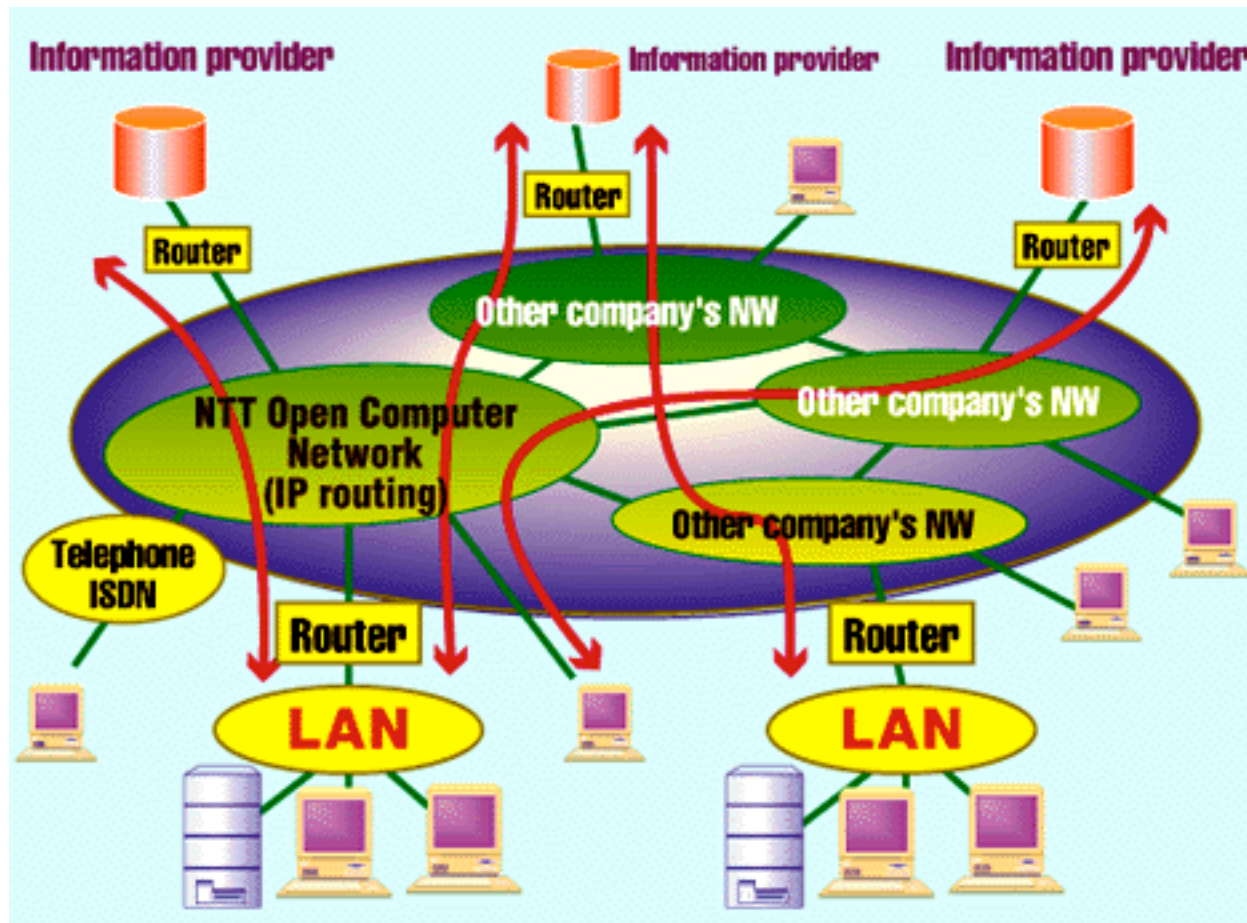
<http://flickr.com/photos/11242012@N07/1363575474>

- The Network is connected and interactive (*not* ‘integrated’) – small pieces, loosely joined



<http://www.biography.org.uk/real.htm>

- The Network is *open*



http://park.org/Japan/NTT/DM/html_f4/F4_10600_e.html

What are the key technologies?



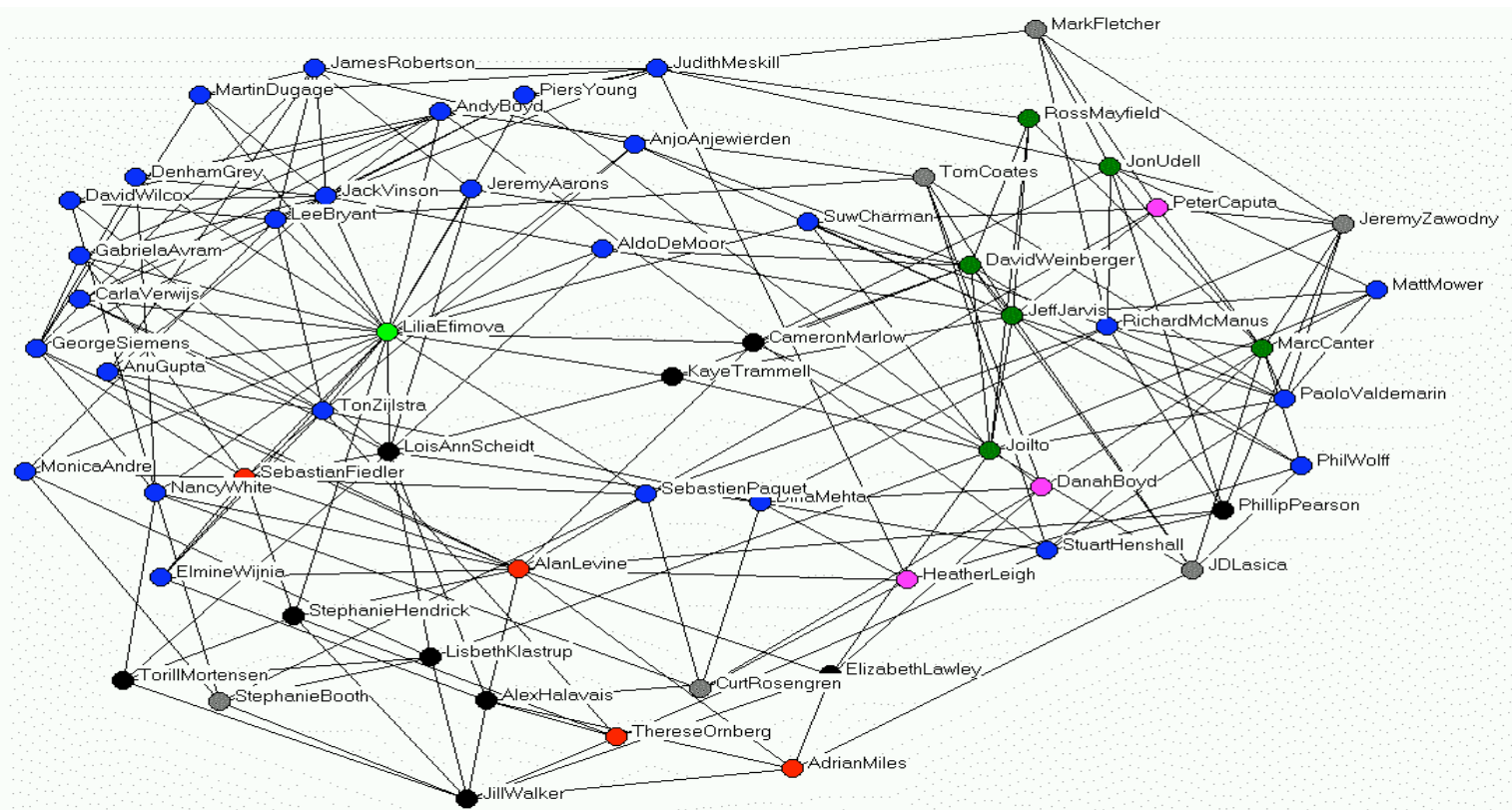
<http://www.bclir.org/Egypt.htm>

Web 2.0 - Core Technologies



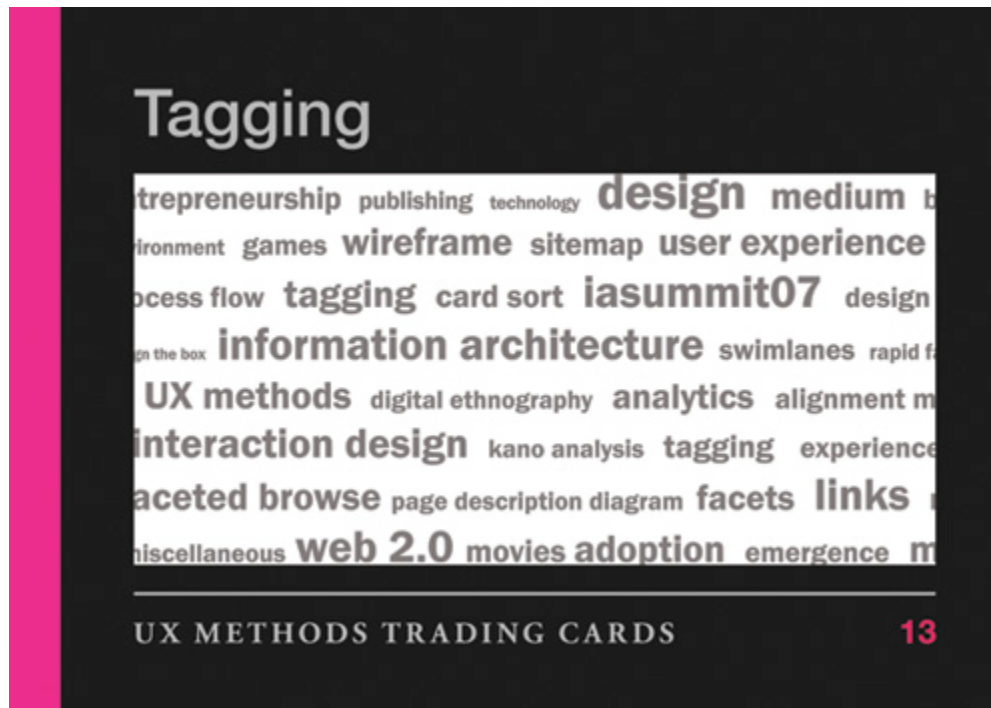
Tools for worldmaking...

Social Networking



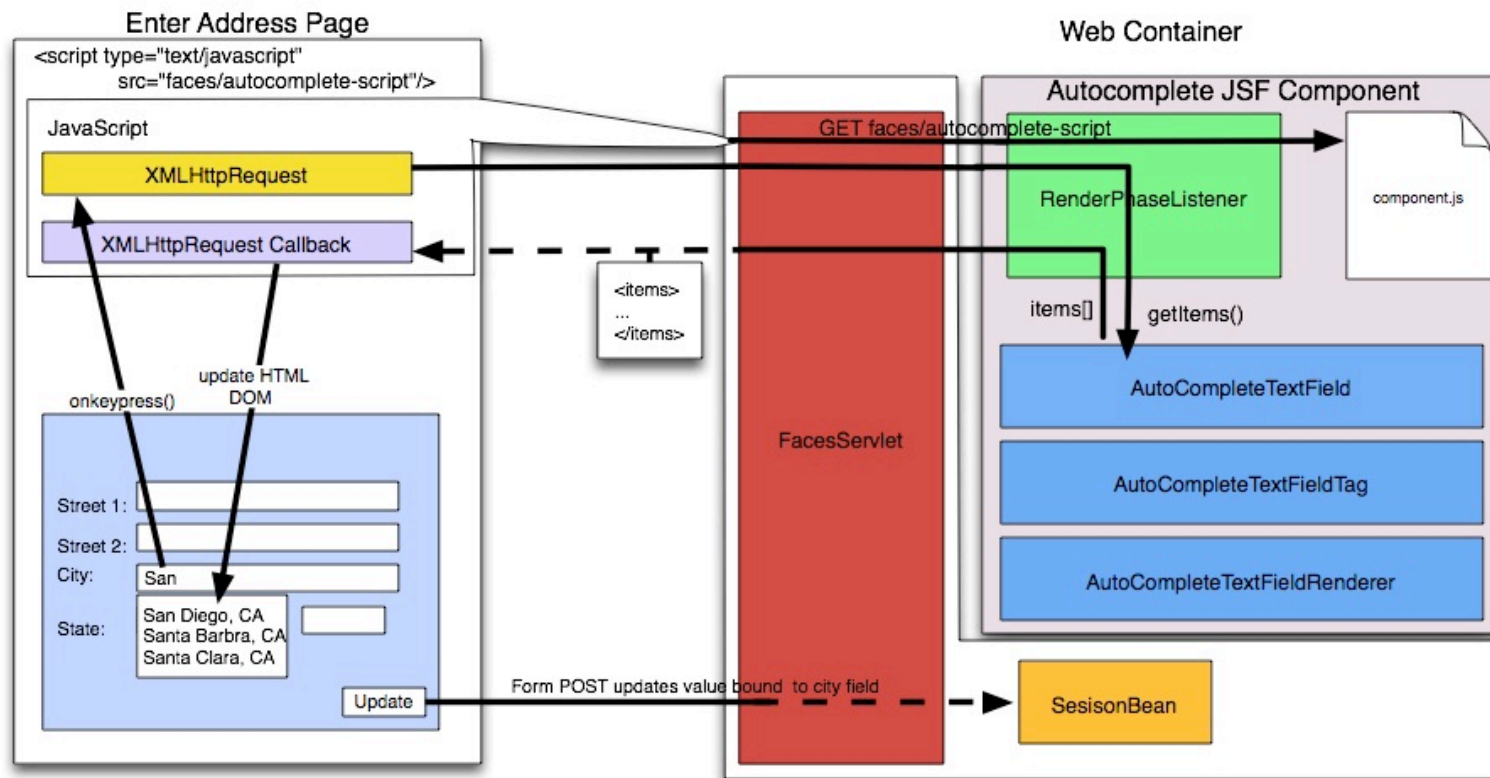
<http://staffdev.henrico.k12.va.us/parents/socnetwork.htm>

Tagging



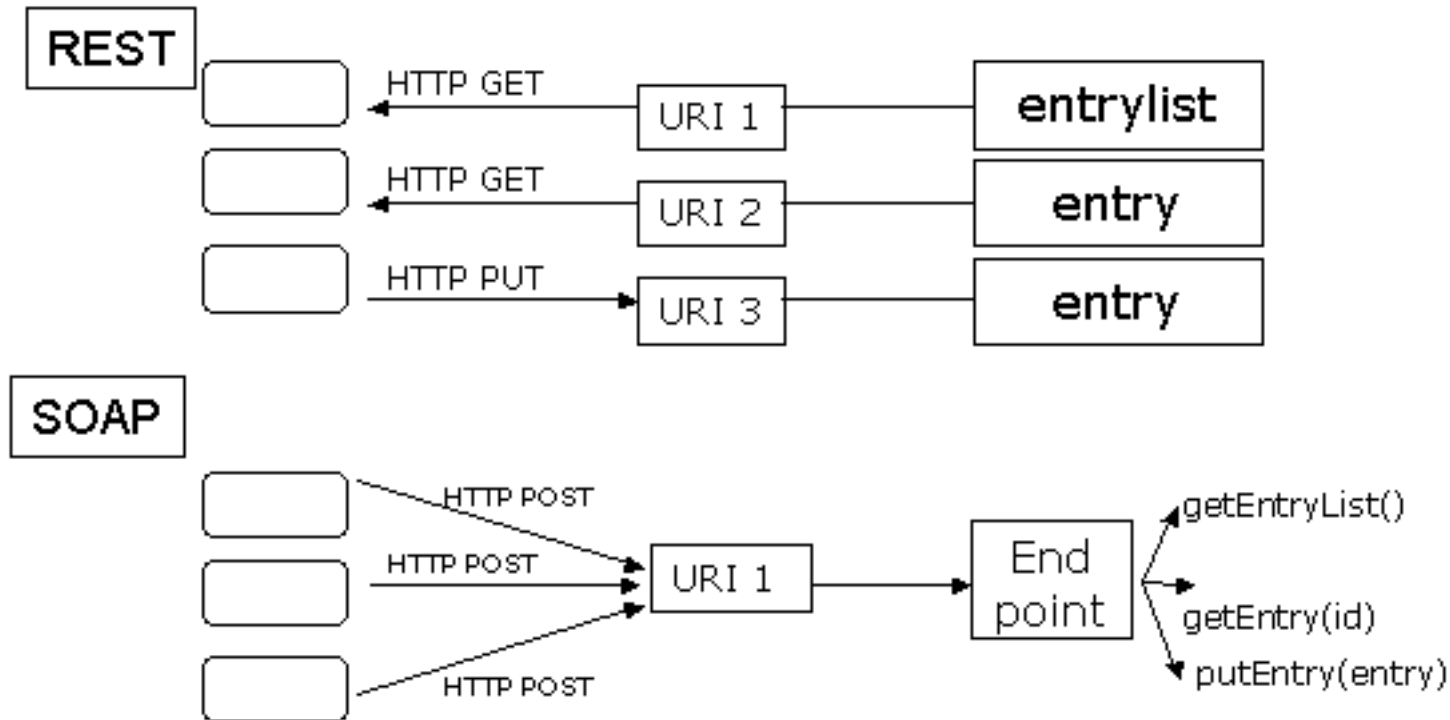
Asynchronous Javascript and XML (AJAX)

Jesse James Garrett in February 2005.



<https://bpcatalog.dev.java.net/ajax/textfield-jsf/design.html>

Representational State Transfer (REST)

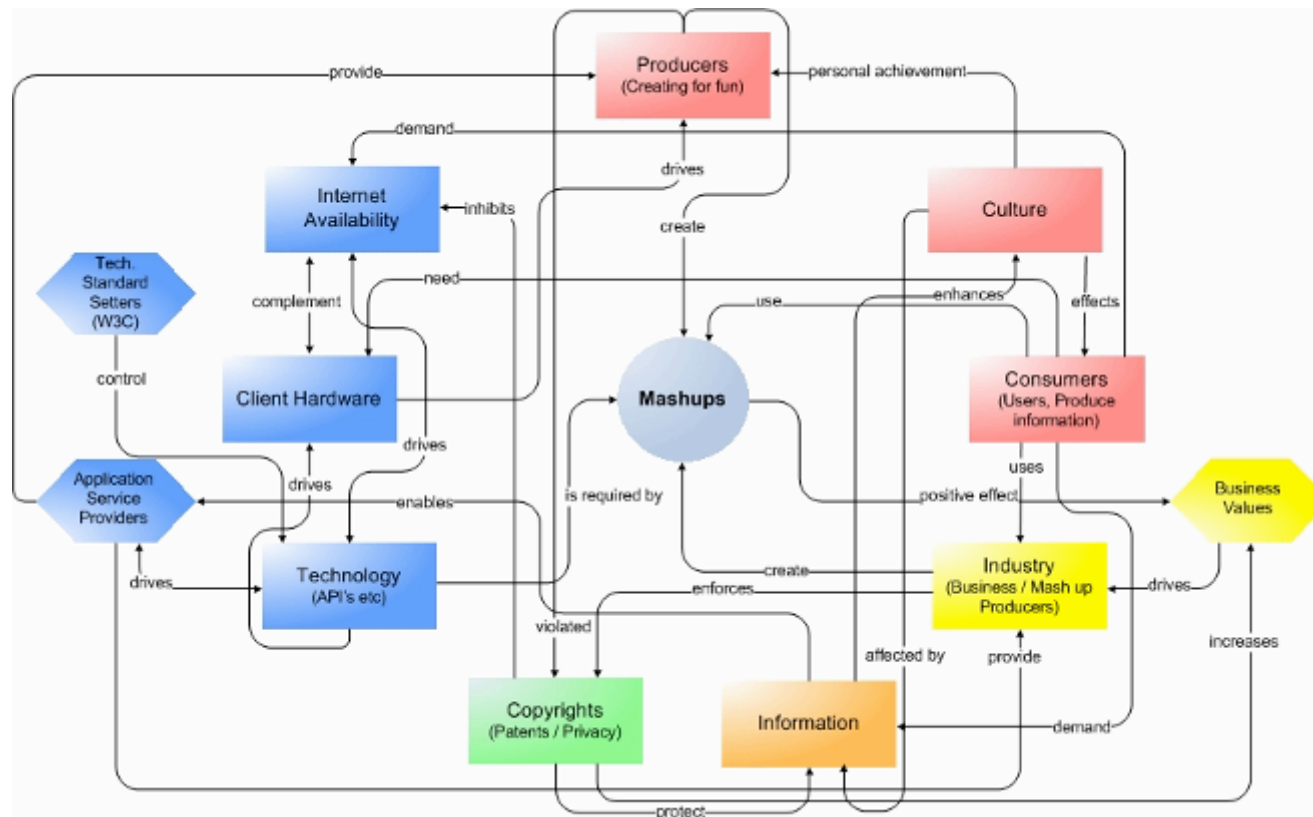


- principles that outline how resources are defined and addressed
- looser sense: domain-specific data over HTTP

http://en.wikipedia.org/wiki/Representational_State_Transfer

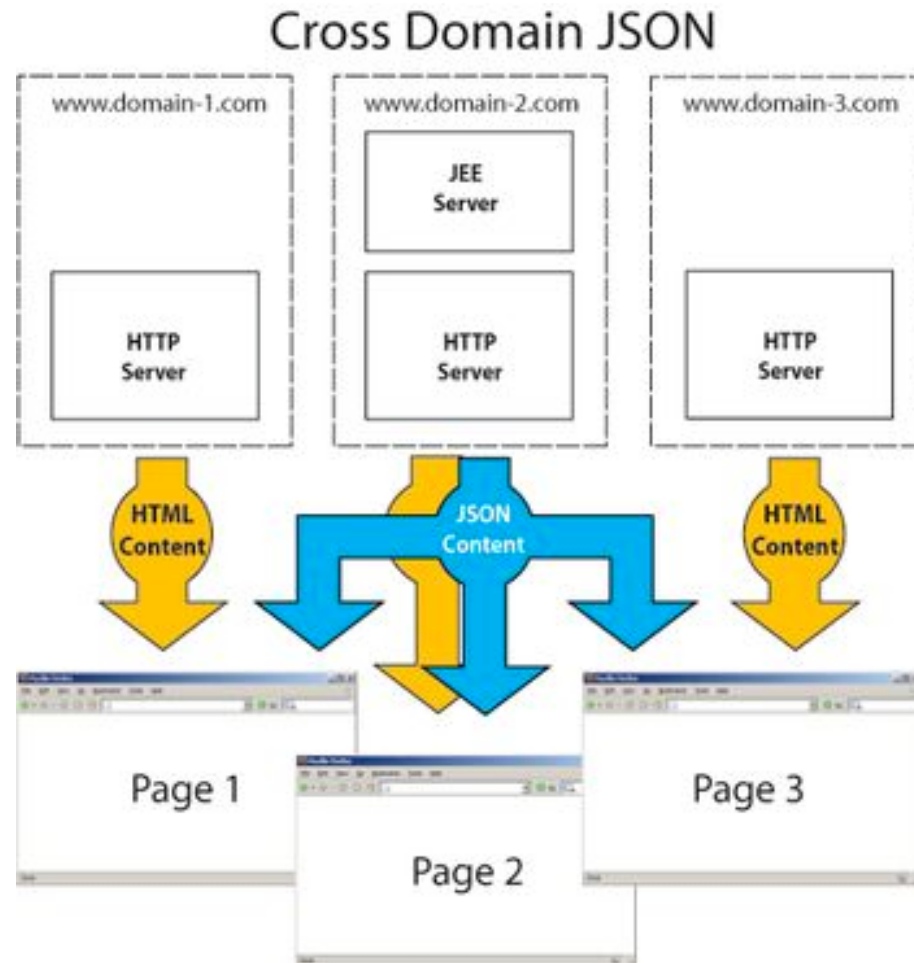
<http://itpro.nikkeibp.co.jp/article/Watcher/20060315/232492/>

Application Program Interface (API) and Mash-Ups

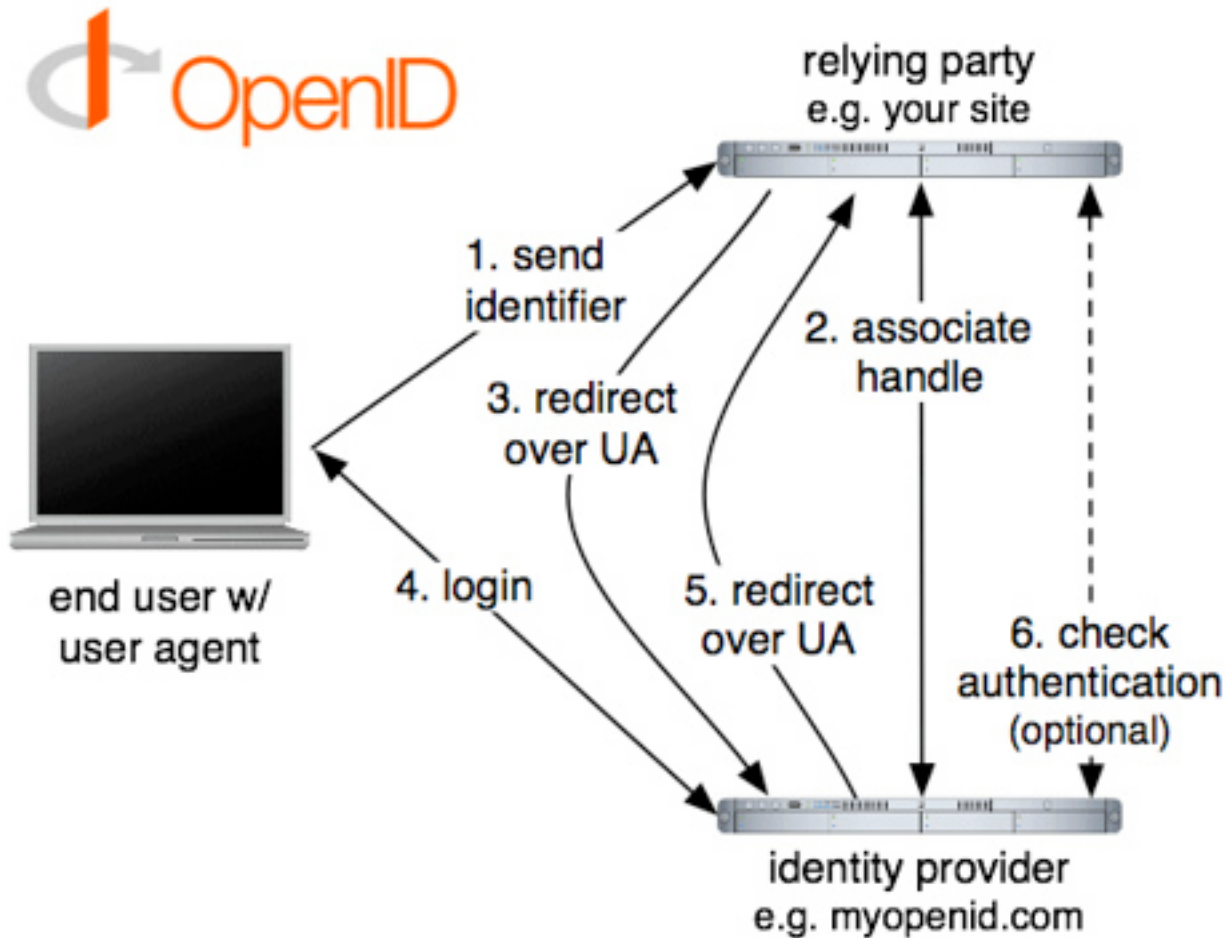


<http://scenariothinking.org/wiki/images/b/b6/MashUpSysDiagramV6.0.jpg>

Javascript Object Notation (JSON)



OpenID



<http://gabinetedeinformatica.net/wp15/2007/03/09/openid-nuestra-identidad-virtual/>
<http://www.funnymonkey.com/openid-in-education>

Connectivism & Connective Knowledge



The Best Example...

- 12 week course, readings, activities...
- The course on connectivism is probably the best (early) example of what we mean
 - We began with the course itself – what we wanted to cover
 - We then added communications tools
 - And then the students took over...

Overview...

- George Siemens and I are ushering roughly 2200 students through a 12 week online course
- Some of these paid tuition and are getting credit, but most of them are attended the 'open' course

The Course

- Offered through the University of Manitoba
 - 12 weeks long
 - credit in Certificate in Adult and Continuing Education and Certificate in Emerging Technologies for Learning
 - Explored the concepts of connectivism and connective knowledge

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>

Course Components

- The Wiki...

The screenshot shows a web browser displaying the 'Connectivism' page on the Learning Technologies Centre (LTC) wiki. The page features a navigation bar with tabs for 'page', 'discussion', 'view source', and 'history'. The main content area includes a welcome message, conference tags (CCK08), and a list of alternative language versions (Spanish, Portuguese, Italian, Hungarian, Chinese). A 'Contents' section lists 11 items, including a sign-up page, course blog, details, weekly activities, learner assignments, course links, pre-week 1, and four weeks of course content. The left sidebar contains navigation links (Main Page, Recent changes, Random page, sandbox, Help), LTC links (LTC Website, Activities, Workshops and Resources, Teaching with Technology), and um projects (Educational Psychology). The LTC logo is visible in the top left corner.

Log in / create ac

page discussion view source history

Connectivism

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

Conference tags: CCK08

This page is also available in: [Spanish](#), [Portuguese](#), [Italian](#), [Hungarian](#), and [Chinese](#) (Simplified Character Version). 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 cre
- 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)

navigation

- [Main Page](#)
- [Recent changes](#)
- [Random page](#)
- [sandbox](#)
- [Help](#)

ltc links

- [LTC Website](#)
- [Activities](#)
- [Workshops and Resources](#)
- [Teaching with Technology](#)

um projects

- [Educational Psychology](#)

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

Course Components (2)

- Open Enrollment

24 Final Project
Please enter your email address here if you'd like to be involved (either 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 Manitoba
Course Code: 98813- 08-01

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

Course Components

- Readings....

Week 1: What is Connectivism? (September 8-14)	[ed]
Presentations & Papers	
George Siemens presentation on Defining Connectivism and Comparing Connectivism	
Stephen Downes presentation: A quick introduction to connectivism (ustream)	
Readings	
Little Boxes, Glocalization and Networked Individualism (.pdf)	
What is the Unique Idea in Connectivism?	
What connectivism is	
Learning Theory or Pastime of the Self-Amused? (.doc)	
Bill Kerr - Critique of connectivism	
Activities:	
Mon: Recorded presentations and readings will be posted to the email list	
Wed: Elluminate discussion 11 am CST: See time zone conversions	
Friday: Discussion via USTREAM 11 am CST: See time zone conversion	
Assignments:	

Course Components (3)

- The Blog

CONNECTIVISM & CONNECTIVE KNOWLEDGE
a rather large open online course...

HOME THE DAILY WIKI MOODLE ABOUT AGGREGATIONS SIGNING UP...

Posts RSS Comments RSS

ABOUT

Welcome to the **Connectivism and Connective Knowledge** online course! Information on the development and delivery of the course will be shared on this site.

SEARCH

Go

Comparing Connectivism
gsiemens on Sep 8th 2008

I've posted a [comparison between different theories](#) of learning. It's not a final word summary, but hopefully it can provide a bit of a starting point for discussing the attributes of different concepts. While exploring distinctions between theories can be a mind-numbing task on par with watching grass grow, it does create an important starting point for ongoing discussion. If our discussions occur along the lines of [Wittgenstein's beetles](#) - where we each speak of a subject from our own, rather than shared understandings - we quickly end up talking in circles without even a prospect of consensus or even the main points of debate.

Filed in [Uncategorized](#) | [17 responses so far](#)

<http://ltc.umanitoba.ca/connectivism/>

Course Components

- Course Moodle Forum

The screenshot shows a Moodle course page for 'Connectivism and Connective Knowledge'. The page is titled 'Connectivism and Connective Knowledge' and indicates that the user is currently using guest access. The course is identified as 'CCK08'. The page is divided into several sections:

- Bloglines:** A list of recent forum posts, including one about reading the Moodle forum and another about determining why the user cannot connect to the forum.
- Topic outline:** A list of course topics, including 'Introductions', 'Google Map of participants', 'General Forum', 'Connectivas Spanish pageflakes site', 'Connectivism English Pageflakes site', and 'Week 1: What is connectivism'. The first topic, 'What is Connectivism?', is currently selected.
- Calendar:** A calendar for September 2008, showing global events (green) and course events (orange). The course events are marked on the 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, and 30th.
- Connectivism Course Blog:** A blog post titled 'Comparing Connectivism' by the user, discussing different theories of learning.

<http://lrc.umanitoba.ca/moodle/course/view.php?id=20>

Course Components

- Pageflakes Site

The screenshot shows a Pageflakes website layout for 'ltc's Pagecast'. The header includes navigation links like 'Create your own page!', 'Watch this Pagecast', 'Copy', 'Send To a Friend', and 'Random Pagecast'. The main content area is divided into several widgets:

- Connectivism & Connective Knowledge (5)**: A widget titled 'Comparing Connectivism' with a sub-header 'I've posted a comparison between different theories of learning. It's not a final word summ...' and a list of links: 'Managing your Moodle Forums', 'Week 1: What is connectivism', 'So, Where are you from?', and 'Introduction to the course...'.
- Technorati Search for: CCK08 (5)**: A widget titled 'How to filter your CCK08 email (in Gmail)' with a sub-header 'How to filter your CCK08 email (in Gmail) September 9th, 2008 — general How to create a ...' and a list of links: 'Bill Kerr's Challenge to Connectivism', 'Connectivism & Connective Knowledge Course', 'Connectivism: Theory and Application', and 'Connectivism course: nifty (and a little sca...'.
- Sponsored Content**: A large advertisement for 'AIG Travel Guard' with the text 'Thank goodness for AIG Travel Guard travel insurance.' and the AIG Travel Guard logo.
- Weather**: A widget for 'Toronto, Canada' showing a 4-day forecast: Tuesday (17°/9°C, cloudy), Wednesday (19°/12°C, sunny), Thursday (22°/15°C, sunny), and Friday (22°/14°C, cloudy). It also includes 'Hourly Forecast | 10-Day Forecast' and is 'Powered by weather.com'.
- Winnipeg, Canada**: A widget titled 'Ellis resurfaces in Winnipeg - The Gazette (...)' with a sub-header 'CBC.caEllis resurfaces in WinnipegThe Gazette (Montreal), Canada - 22 hours agoHe was signed on Monday...' and a list of links: 'Winnipeg couple makes pot discovery - Winnip...', 'Rejigged Bombers-Ticats deal a go - Globe an...', 'Three Winnipeg men charged in drug busts - W...', and 'Grandmotherhood inspires Winnipeg publisher ...'.
- Events in Winnipeg, Canada**: A small widget at the bottom.
- Stephen's Web ~ by Stephen Downes ~**: A widget titled '[CCK08] First Impressions' with a sub-header 'Even if you're not registered in our giant Connectivism course (and most OLDaily readers ar...' and a link 'Does Learning Grow or Is It Built?' with a sub-header 'Interesting post from the Connectivism course looking at whether we "grow" or "build" know...'.

<http://www.pageflakes.com/ltc>

Course Components

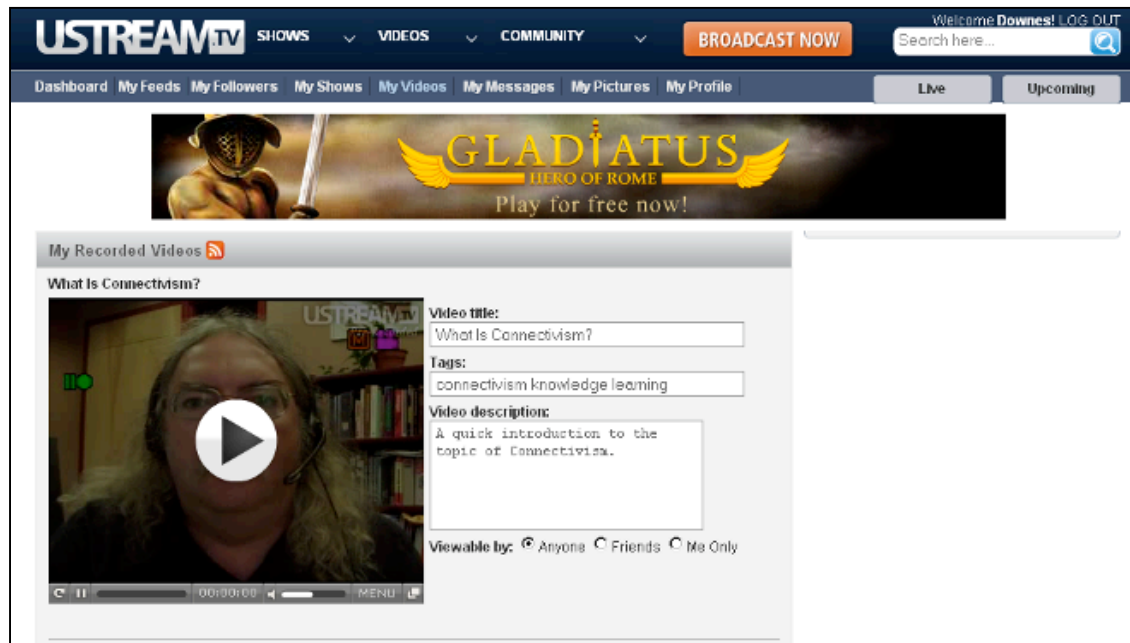
- Elluminate Discussions (Wednesdays)

The screenshot displays the Elluminate Live! interface with several key components highlighted by handwritten annotations:

- Main chat window:** The central area for text-based communication, showing a list of messages from participants like Lynn, Curtis, and Maria.
- Participants window:** A list on the left side showing 19 participants, including moderators and various group members.
- White Board space:** A large area on the right displaying a PowerPoint slide titled "Opportunities to Develop Human Resources" with bullet points: "Knowledge or skill needs differ", "Motivation – meaning of work", "Change in the environment", and "Change in the organization".
- Video window:** A small window at the bottom right showing a live video of the instructor, Sandra Williams.
- Annotations:** Blue and green arrows and text identify these components: "Main chat window", "She's talking on the mic", "She's typing", "Group discussion rooms", "Mic button", "Participants window", "White Board space (Displays PowerPoint slides, notes, drawings, etc)", and "Live video of the instructor".

Course Components

- Ustream



<http://www.ustream.tv/recorded/688902>

Course Components

- Twitter...



The screenshot shows the Twitter profile page for user cck08. At the top, there is a search bar with the text "Name or location" and a "search" button, followed by a link to "Login / Join Twitter!". Below this is a "Select Language" dropdown menu. The main content area features a yellow banner with the text "Hey there! cck08 is using Twitter." and a "Join today!" button. Below the banner, there is a profile card for cck08 with a blue profile picture, the name "cck08", and a tweet from @MtnLaurel. To the right of the profile card is an "About" section with fields for Name, Web, and Bio, and a "Stats" section with fields for Following, Followers, and Favorites.

twitter

Name or location search or [Login / Join Twitter!](#)

Select Language ..

Hey there! **cck08** is using Twitter.

Twitter is a free service that lets you keep in touch with people using the web, your phone, or IM. **Join today** to start receiving **cck08's** updates.

[Join today!](#)

Already using Twitter via SMS or IM? [Finish signing up.](#)

 **cck08**

[@MtnLaurel](#) hi - no sign up time, but i think the 11 am CST will be the busier of the two...

about 7 hours ago from web in reply to [MtnLaurel](#)

About

Name cck08
Web [http://tlc.umanit...](#)
Bio a rather large online course

Stats

Following 0
Followers 141
Favorites 0

<http://twitter.com/cck08>

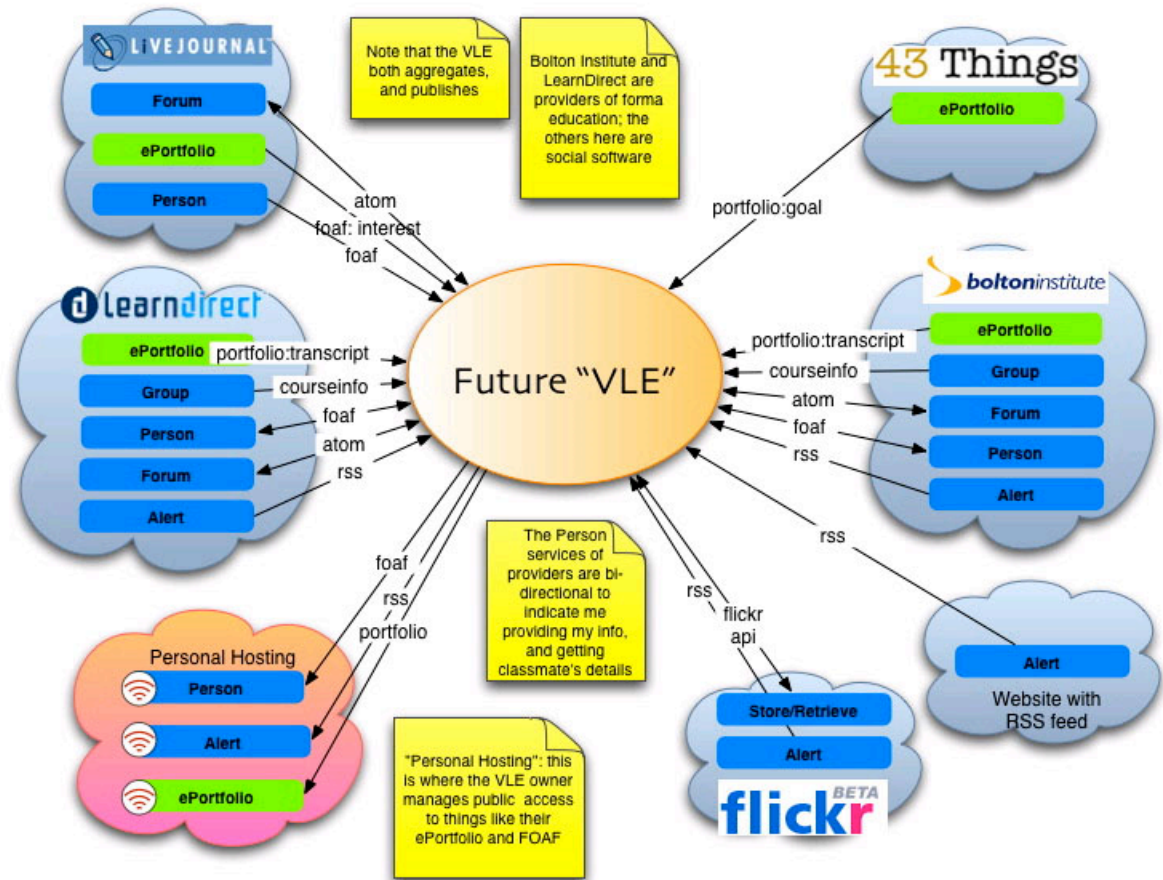
Course Components

- gRSShopper...





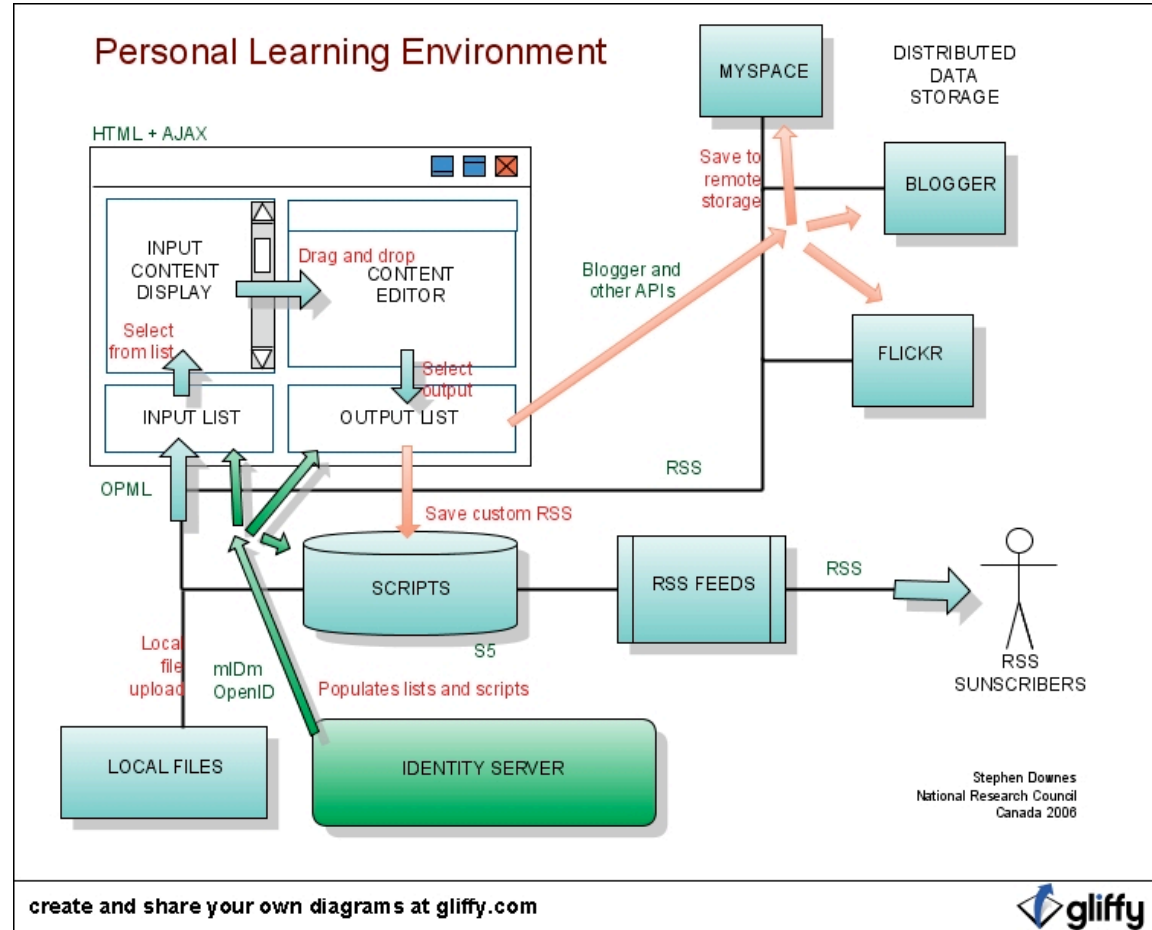
The Main Idea



The web of the future isn't about visiting sites, it's about connecting resources.



Architecture



The application provides mechanisms to input, process, and distribute content.



Login

A screenshot of a Mozilla Firefox browser window displaying the login page for gRSShopper. The browser's address bar shows the URL 'http://demo.downes.ca/cgi-bin/login.cgi?refer=http://demo.downes.ca/cgi-bin/a'. The page title is 'Login ~ gRSShopper'. The main content area features the 'gRSShopper' logo in the top right, a search bar with a 'START SEARCH' button, and navigation links for '[DISCUSS]', '[SEARCH]', '[ABOUT]', '[ARCHIVES]', and '[OPTIONS]'. The central heading is 'Login'. Below it, there is a link for 'Login using OpenID (About OpenID on gRSShopper)'. The login form includes two text input fields: 'Please enter your user name:' and 'Please enter your password:'. A checkbox labeled 'Remember me next time' is present, along with a 'Click here to continue' button. At the bottom of the form, there are two links: 'Not a registered user? Click Here' and 'Forgot your password? Click Here'. The footer contains a Creative Commons license notice, a copyright notice for 2008 Stephen Downes, and contact information 'CONTACT: STEPHEN@DOWNES.CA'. The browser's status bar at the bottom shows 'Done'.

gRSShopper instances are *personal* sites intended to support single users or small groups (though visitors can sign in).



Subscriptions

Register - Newsletter Subscription ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

http://www.downes.ca/cgi-bin/login.cgi?action=Register

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... Register - Newsletter Subs... Manage Subscriptions ~ gRSS...

Stephen's Web

START SEARCH [NEWS]
[DISCUSS]

[SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

Register - Newsletter Subscription

Stephen's Web collects user information in order to confirm passwords and to properly attribute comments and other submissions. User information will remain private and will not be sold to any external agency. For more information, please see our [Privacy Policy](#).

Select a username:

Select a password:

Enter your email address:

Select newsletter subscriptions (you may choose more than one; leave blank for none) for Stephen Downes

- OLDaily
- OLDaily Text Edition
- OLWeekly
- OLWeekly Text Edition
- Threads Email

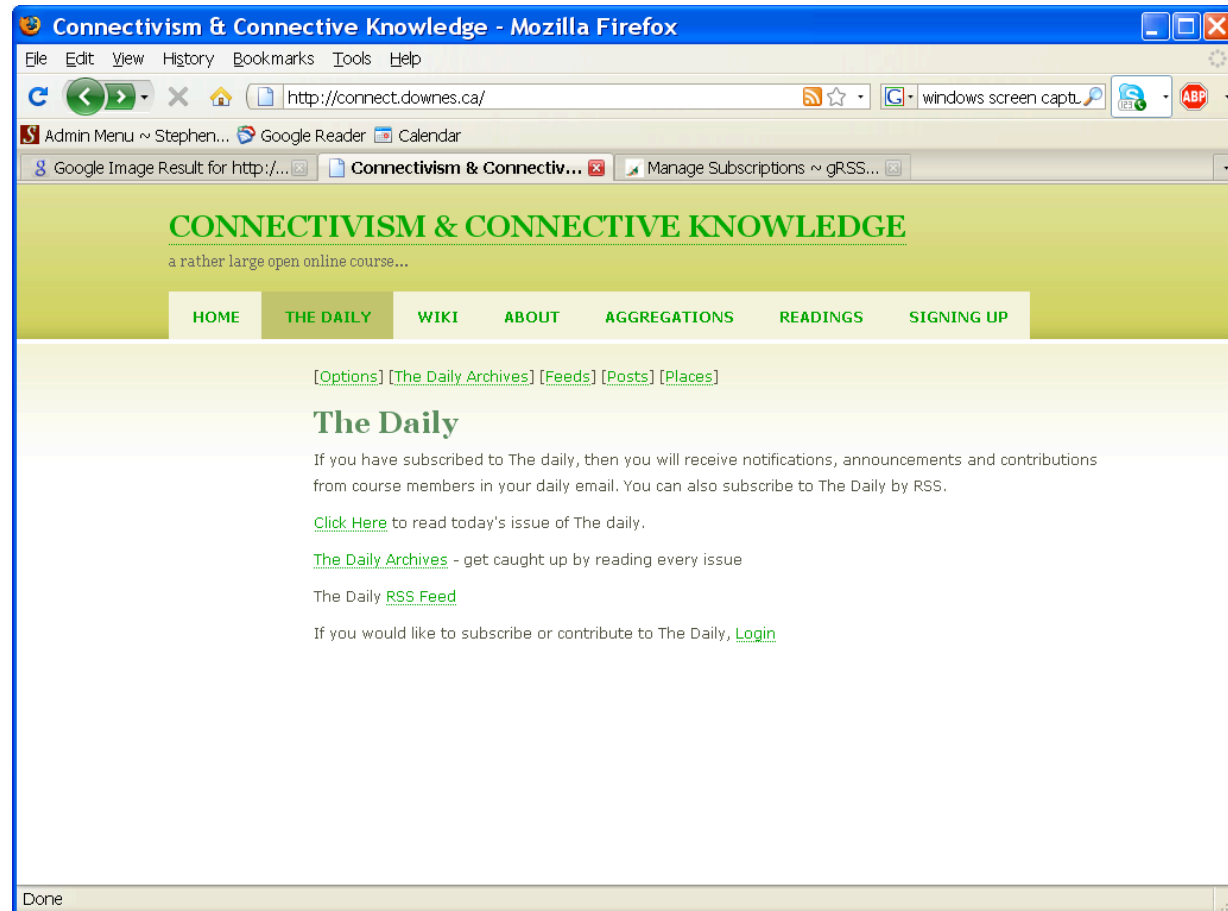
(Optional) Where did you hear about this website?

Done

Visitors have a one-click way to subscribe to site newsletters (or they can sign up for RSS).



Custom Pages



Content is organized into pages



Archive

Stephen's Web

[START SEARCH] [NEWS] [DISCUSS]

[SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

2008											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
	01		01	01		01	01	01	01		
02			02	02	02	02		02	02		
03		03	03		03	03		03	03		
04	04	04	04		04	04	04	04	04		
	05	05		05			05	05	05		
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	13	13		13	13		13			13	
14	14	14	14	14		14	14			14	
15	15		15	15		15	15	15	15		
16			16	16	16	16		16	16	16	
17		17	17		17	17		17	17	17	
18	18	18	18		18	18	18	18	18		
	19	19		19	19		19	19			
	20	20		20	20		20			20	
21	21	21	21	21		21	21			21	
22	22		22	22		22	22	22	22		
23	23		23	23	23	23			23		
24		24	24	24	24	24		24	24		
25	25	25	25		25		25	25	25		
	26	26		26	26	26	26	26	26		
	27	27		27	27	27	27	27			

Done

Pages auto-archive



Custom Pages

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

File Edit View History Bookmarks Tools Help

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

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... Connectivism & Connective K... Manage Subscriptions ~ gRSS... List Page ~ Stephen's We...

Stephen's Web

START SEARCH [NEWS]
[DISCUSS]

[SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

[ADMIN] *List pages*

[New] [List] Author Listing 0 to 100 of 68 pages
[New] [List] Box
[New] [List] Cite [Edit] [Delete] [Publish] 100 Weeks of Publications
[New] [List] Event [Edit] [Delete] [Publish] About
[New] [List] Feed [Edit] [Delete] [Publish] About OLDaily
[New] [List] File [Edit] [Delete] [Publish] About OpenID
[New] [List] Journal [Edit] [Delete] [Publish] About Stephen Downes
[New] [List] Link [Edit] [Delete] [Publish] About Stephen's Web
[New] [List] Optlist [Edit] [Delete] [Publish] About Threads
[New] [List] Mapping [Edit] [Delete] [Publish] Articles
[New] [List] Page [Edit] [Delete] [Publish] Best Ever
[New] [List] Person [Edit] [Delete] [Publish] Calendar
[New] [List] Post [Edit] [Delete] [Publish] Chat Log
[New] [List] Presentation [Edit] [Delete] [Publish] Darts
[New] [List] Publication [Edit] [Delete] [Publish] Discusson Threads
[New] [List] Project [Edit] [Delete] [Publish] Edu-RSS 0.2 Feeds
[New] [List] Task [Edit] [Delete] [Publish] Edu_RSS 0.2
[New] [List] Template [Edit] [Delete] [Publish] Edu_RSS 0.2 Code and Installation
[New] [List] Theme
[New] [List] Topic
[New] [List] View

Done

Multiple pages can be created; each page can be a newsletter (or not; you decide)



Page Creation

Edit Page ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.downes.ca/cgi-bin/admin.cgi?page=2&action=edit

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... Connectivism & Connective K... Manage Subscriptions ~ gRSS... Edit Page ~ Stephen's We...

Edit Page

[ADMIN]

[New] [List] Author [List Pages]
[New] [List] Box [View Generated Version of Page]
[New] [List] Cite [Publish Page]
[New] [List] Event [View Published Page]
[New] [List] Feed
[New] [List] File
[New] [List] Journal
[New] [List] Link
[New] [List] Optlist
[New] [List] Mapping
[New] [List] Page
[New] [List] Person
[New] [List] Post
[New] [List] Presentation
[New] [List] Publication
[New] [List] Project
[New] [List] Task
[New] [List] Template
[New] [List] Theme
[New] [List] Topic
[New] [List] View

Title	OLDaily		
File	news/OLDaily.htm		
Header	email_html_header	Footer	email_html_footer
Feed			
Autopub	yes	Archive	yes
Sub	yes		
Days	Monday, Tuesday, Wednesday, Thursday, Friday, Saturday		
Type	email		

Update Record

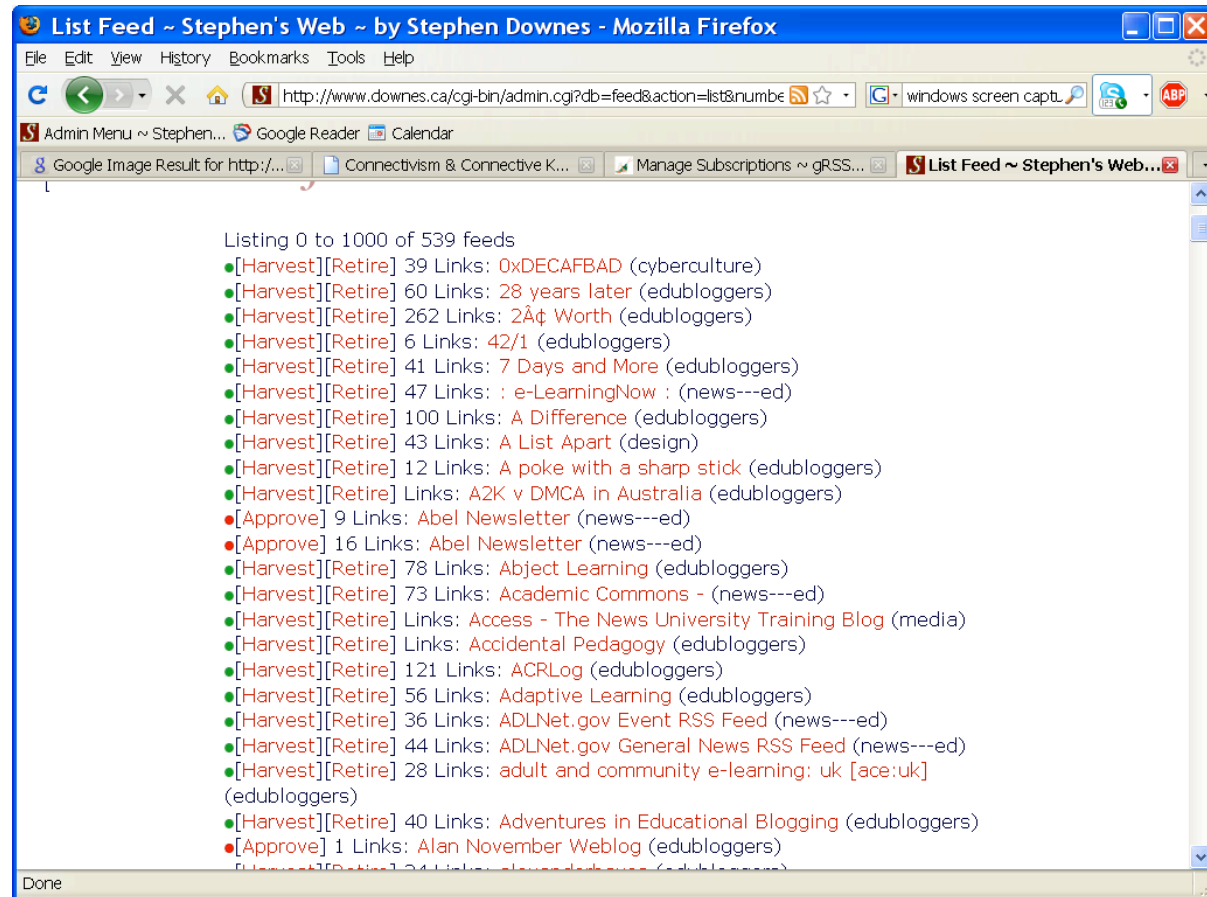
Code

```
<h2 style="font: italic 28pt/32pt Georgia, serif; color: #91c6e7;">OLDaily</h2>
<p style="font: 400 12pt/16pt Verdana, Arial, sans-serif; color: #000040;">by
Stephen Downes<br/>
#TODAY#</p>
<keyword db=post;number=20;type=announcement;format=announcement_email;expires=48;
all;sort=crdate DESC>
<keyword db=presentation;number=20;format=email;expires=16;all;sort=crdate DESC>
<keyword db=post;number=20;type=article;format=article_email;expires=24;
all;sort=crdate DESC>
<keyword db=post;number=20;type=link;format=link_email;expires=16;all;sort=crdate
DESC>
```

Pages are created automatically from a database of content types



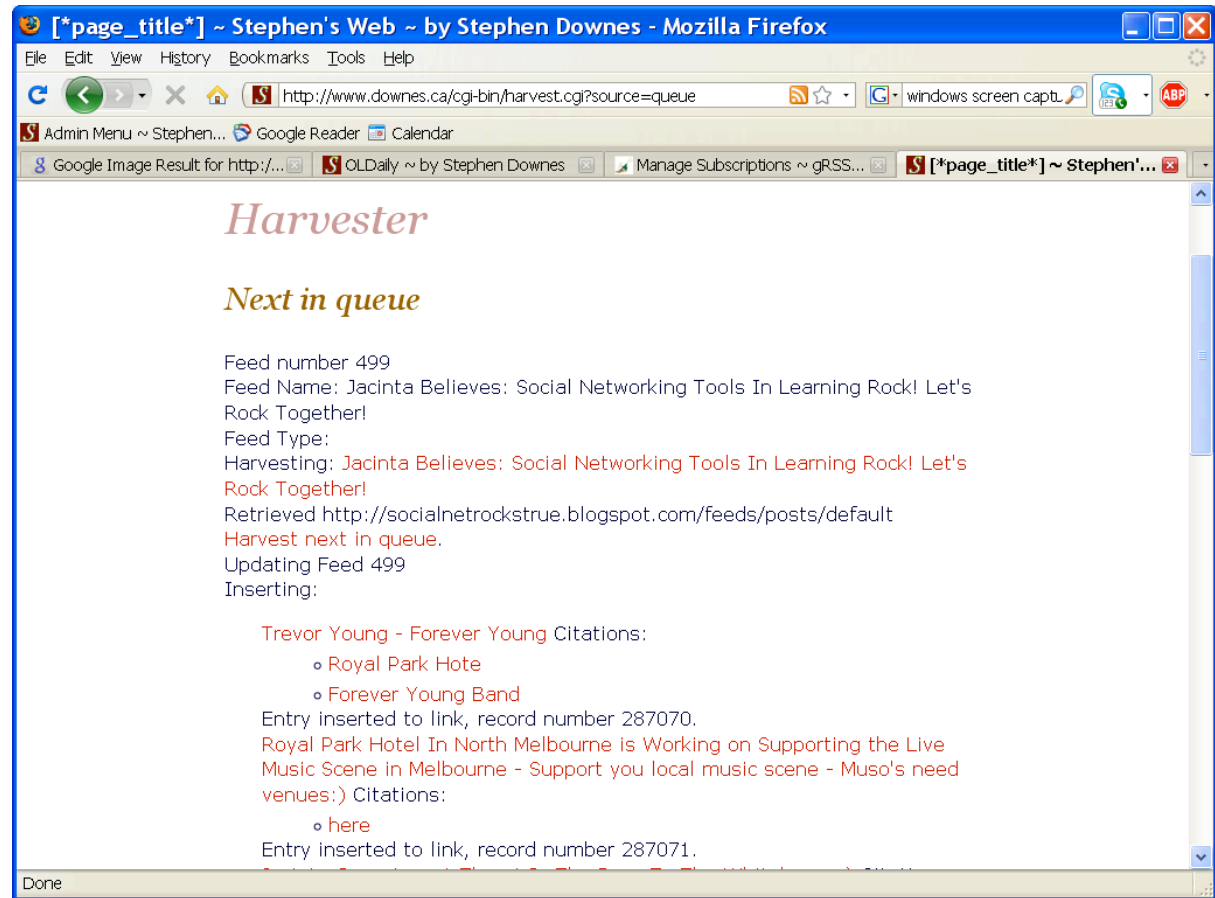
Feed Management



Content input comes from RSS feeds harvested by gRSShopper



Harvester



Harvester captures and analyzes incoming data (by topic, links, etc)



Mapping

Edit Mapping ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.downes.ca/cgi-bin/admin.cgi?mapping=1&action=edit

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... Connectivism & Connective K... Manage Subscriptions ~ gRSS... Edit Mapping ~ Stephen's ...

[ADMIN]

[New] [List] Author title:A Day In The Life -> journal
[New] [List] Box
[New] [List] Cite A mapping is a way to direct where you want harvested data to be stored. The mapping source is always a feed, while the mapping destination is always a database table.
[New] [List] Event
[New] [List] Feed
[New] [List] File
[New] [List] Journal
[New] [List] Link
[New] [List] Optlist
[New] [List] Mapping
[New] [List] Page
[New] [List] Person
[New] [List] Post
[New] [List] Presentation
[New] [List] Publication
[New] [List] Project
[New] [List] Task
[New] [List] Template
[New] [List] Theme
[New] [List] Topic
[New] [List] View

Source

Either...

<input type="radio"/> Specific Feed:	ACRLog
<input type="radio"/> Feed Type	Atom [Help]
<input type="radio"/> Feed Fields	title [Help]
<input checked="" type="radio"/> Value Pair	title:A Day In The Life [Help]

Destination

Select a destination table: journal

link

Map Table Elements

Source		Destination: journal
hits	--->	[v]
cites	--->	[v]

Done

Incoming content can be mapped to any of a variety of data types



Viewing Harvested Content

Edu-RSS Viewer ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.downes.ca/cgi-bin/page.cgi?action=viewer

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... OLDaily ~ by Stephen Downes Manage Subscriptions ~ gRSS... Edu-RSS Viewer ~ Stephe...

Stephen's Web

START SEARCH [NEWS] [DISCUSS]

[SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

You are logged in as Stephen Downes [Logout]

Quick Updates + Boston KM Forum

I've very much enjoyed taking a break from blogging, what I've been calling my "blogging hiatus." I'm not certain if I'm now back in for real, but I feel the urge to write again today, even though it has turned out to be a gorgeous, almost summer day, in Boston...after a rainy start. I've just completed [...] [From: Sims Learning Connections, October 27, 2008] 287040 <http://blog.simslearningconnections.com/?p=314>

Blog This!

5 of 84

THIS PAGE FIRST PUBLISHED ON OCTOBER 27, 2008 AND LAST UPDATED OCTOBER 27, 2008.

Copyright 2008 Stephen Downes

Harvested contents may easily be scanned in a viewer



Post Editor

Edit Post ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.downes.ca/cgi-bin/admin.cgi

Admin Menu ~ Stephen... Google Reader Calendar

Google Image Result for http://... OLDaily ~ by Stephen Downes Manage Subscriptions ~ gRSS... Edit Post ~ Stephen's We...

Stephen's Web

START SEARCH [NEWS] [DISCUSS]

[SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

Edit Post

[ADMIN] [Go to Viewer]

[New] [List] Author
[New] [List] Box
[New] [List] Cite
[New] [List] Event
[New] [List] Feed
[New] [List] File
[New] [List] Journal
[New] [List] Link
[New] [List] Optlist
[New] [List] Mapping
[New] [List] Page
[New] [List] Person
[New] [List] Post
[New] [List] Presentation
[New] [List] Publication
[New] [List] Project
[New] [List] Task
[New] [List] Template
[New] [List] Theme
[New] [List] Topic
[New] [List] View

Title	Quick Updates + Boston KM Forum
Link	http://blog.simslearningconnections.com/?p=314
Author	
Journal	Sims Learning Connections
Type	Link
Crdate	
Description	I've very much enjoyed taking a break from blogging, what I've been calling my 'blogging hiatus.' I'm not certain if I'm now back in for real, but I feel the urge to write again today, even though it has turned out to be a gorgeous, almost summer day, in Boston - after a rainy start. I've just completed [...]

Done

Work with aggregated content to create new content



Open Source

A screenshot of a Mozilla Firefox browser window displaying the 'gRSShopper Code' page. The browser's address bar shows the URL 'http://grsshopper.downes.ca/code.htm'. The page content includes a search bar with a 'START SEARCH' button, navigation links for [DISCUSS], [SEARCH], [ABOUT], [ARCHIVES], and [OPTIONS], and a large heading 'gRSShopper Code'. A list of links is provided in a box on the left, including '[gRSShopper Home Page]', '[About gRSShopper]', '[Demonstration Site]', '[Detailed Description]', '[Installation Instructions]', '[Data Types]', '[Page Commands]', and '[gRSShopper Source Code]'. The main text states 'Here is the code: grsshopper.tar.gz' and includes a Creative Commons license notice: 'THIS WORK IS LICENSED UNDER A CREATIVE COMMONS LICENSE.' The footer contains copyright information: 'COPYRIGHT 2008 STEPHEN DOWNES CONTACT: STEPHEN@DOWNES.CA'. The browser's status bar at the bottom shows 'Done'.

gRSShopper code is available as an open source download



More

A screenshot of a Mozilla Firefox browser window displaying the website 'Stephen's Web'. The browser's address bar shows 'http://www.downes.ca/'. The page title is 'Welcome to Stephen's Web ~ Stephen's Web ~ by Stephen Downes - Mozilla Firefox'. The website content includes a search bar, navigation links like [NEWS], [DISCUSS], [SEARCH], [ABOUT], [ARCHIVES], and [OPTIONS], a photo of Stephen Downes with the caption 'Stephen Downes, April, 2008', a link to 'Applications of Social and Collaborative Technologies in Education', and a list of links such as 'About Stephen, About This Website', 'Today's News in OLDaily', 'Research Topics, Research Wiki, Code', 'Publications, Papers and Presentations', 'Blog posts at Half an Hour', 'My Photos on Flickr and My Videos', 'My Facebook Profile', and 'My Canada'. A footer link 'Read cdn.slideshare.net' is also visible.

<http://www.downes.ca>

<http://grsshopper.downes.ca>

Course Components

- 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 illuminate 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 (gziemens@elearnspace.org) and we can try and arrange a smaller discussion group at a different time). CCK08, , September 9, 2008 [\[Link\]](#) [Tags: none] [\[Comment\]](#)

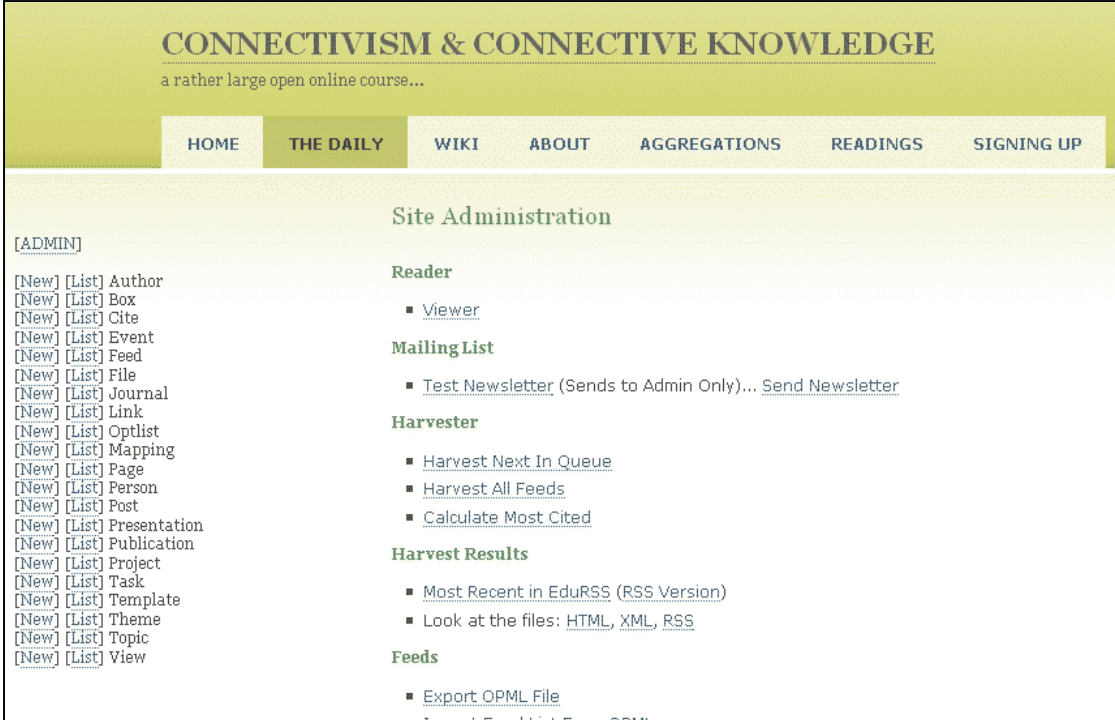
[Connections, Learning, and Ptolomeus \(CCK08-W1\)](#)

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/>

Course Components

- Managing Content



The screenshot shows a website interface for "CONNECTIVISM & CONNECTIVE KNOWLEDGE". The header includes a navigation menu with "HOME", "THE DAILY", "WIKI", "ABOUT", "AGGREGATIONS", "READINGS", and "SIGNING UP". Below the navigation, there is a section for "Site Administration" with a list of administrative actions on the left and a list of site management tools on the right.

CONNECTIVISM & CONNECTIVE KNOWLEDGE
a rather large open online course...

HOME THE DAILY WIKI ABOUT AGGREGATIONS READINGS SIGNING UP

Site Administration

[ADMIN]

- [New] [List] Author
- [New] [List] Box
- [New] [List] Cite
- [New] [List] Event
- [New] [List] Feed
- [New] [List] File
- [New] [List] Journal
- [New] [List] Link
- [New] [List] Optlist
- [New] [List] Mapping
- [New] [List] Page
- [New] [List] Person
- [New] [List] Post
- [New] [List] Presentation
- [New] [List] Publication
- [New] [List] Project
- [New] [List] Task
- [New] [List] Template
- [New] [List] Theme
- [New] [List] Topic
- [New] [List] View

- Reader**
 - [Viewer](#)
- Mailing List**
 - [Test Newsletter \(Sends to Admin Only\)...](#) [Send Newsletter](#)
- Harvester**
 - [Harvest Next In Queue](#)
 - [Harvest All Feeds](#)
 - [Calculate Most Cited](#)
- Harvest Results**
 - [Most Recent in EduRSS \(RSS Version\)](#)
 - [Look at the files: HTML, XML, RSS](#)
- Feeds**
 - [Export OPML File](#)
 - [Import Feed List From OPML](#)

Course Components

- Feed Harvesting

CONNECTIVISM & CONNECTIVE KNOWLEDGE

a rather large open online course...

HOME THE DAILY WIKI ABOUT AGGREGATIONS READINGS SIGNING UP

List feeds

[ADMIN]

Listing 0 to 1000 of 106 feeds


[New] [List] Author	[Harvest][Retire] Links: ActionsFLE en formation (category)
[New] [List] Box	[Approve] Links: Aggregator Blog (category)
[New] [List] Cite	[Approve] Links: Al d'Ala (category)
[New] [List] Event	[Approve] Links: Alvin's Educational Technology Blog (category)
[New] [List] Feed	[Approve] Links: An Education and Technology Blog (category)
[New] [List] File	[Approve] Links: An Oxonian's Learning Journey (category)
[New] [List] Journal	[Approve] Links: Beespace (category)
[New] [List] Link	[Approve] Links: blog.puntopanto.it, bloggers she wrote (category)
[New] [List] Optlist	[Approve] Links: Bradley Shoebottom Blog (category)
[New] [List] Mapping	[Approve] Links: Brett Powell CCK (category)
[New] [List] Page	[Approve] Links: Buthaina-Connect08 (category)
[New] [List] Person	[Approve] Links: CCK-No8 (category)
[New] [List] Post	[Approve] Links: cck08 - learning (category)
[New] [List] Presentation	[Approve] Links: CCK08-Viplav Baxi (category)
[New] [List] Publication	[Approve] Links: Classroomblogging.com (category)
[New] [List] Project	[Approve] Links: Coalesce (category)
[New] [List] Task	[Approve] Links: Concetta Gotlieb's Blog (category)
[New] [List] Template	[Approve] Links: Connecting Online (category)
[New] [List] Theme	[Approve] Links: Connective Knowledge Weblog (category)
[New] [List] Topic	[Approve] Links: Connectivism & Connective Knowledge (edubloggers)
[New] [List] View	[Approve] Links: Connectivism and Connective Knowledge (category)
	[Approve] Links: Connectivism by the Nile (category)


Course Components

- Intro...

The screenshot shows a presentation slide from Articulate. The slide title is "Connectivism and Connective Knowledge: Getting Started" and it is part of a "Massive Open Online Course". The presenters are George Siemens and Stephen Downes. The slide includes the University of Manitoba logo and a profile for George Siemens. A table of contents is visible on the left side of the slide.

GettingStarted (00:05 / 09:46) ATTACHMENTS

 UNIVERSITY OF MANITOBA

 George Siemens
Associate Director, R & D,
LTC, U of Manitoba



Email

Outline Thumbnails Notes Search

- 1. Connectivism and Connective Knowledge: G
- 2. Slide 2
- 3. The Hub
- 4. The Daily
- 5. Slide 5
- 6. Each Week
- 7. Weekly Schedule
- 8. How to participate
- 9. Tasks

Connectivism and Connective Knowledge: Getting Started

Massive Open Online Course

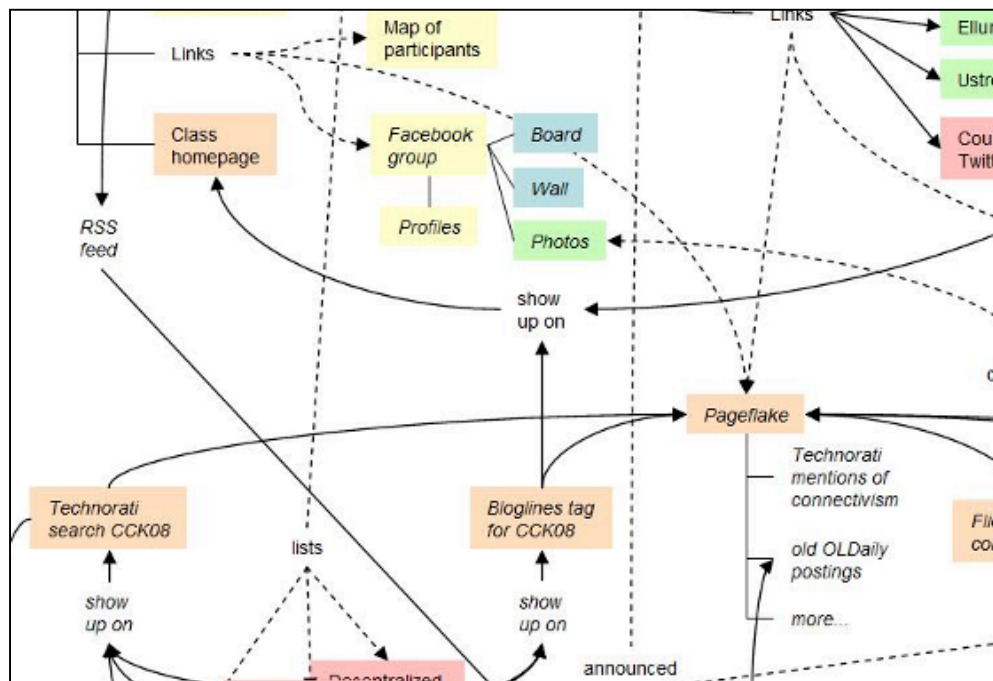
 George Siemens
Stephen Downes 

articulate
POWERED PRESENTATION

SLIDE 1 OF 9 PAUSED 00:05 / 09:10

The Students

- The Course Map...



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

The Students

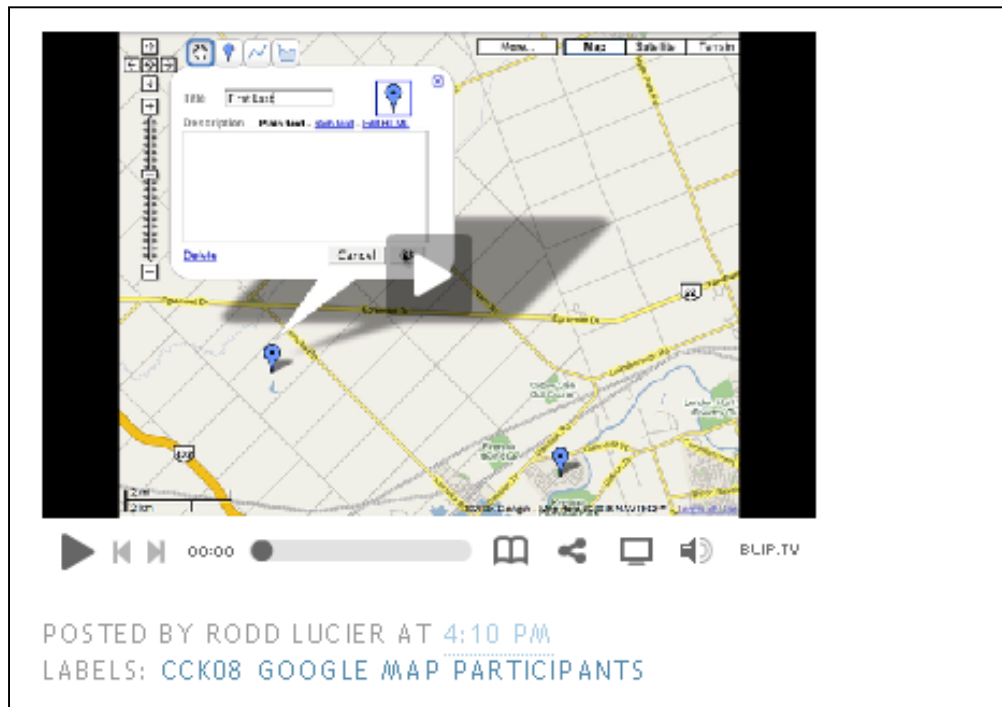
- The *Other* Course Map...



<http://tinyurl.com/cck08map>

The Students

- Add to the Map - Video



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

The Students

- Wordle... 2



The Students

- Word of Mouth



<http://fleep.net/blog/2008/08/03/educators-cck08-connectivism-connective-knowledge-course/>

The Students

- Google Groups



The screenshot shows a Google Groups interface for the group "Connectivism and Connective Knowledge". The user "stephen.downes.ca@gmail.com" is logged in. The discussion thread is titled "extending access of CCK08" and contains two messages. The first message is from HelenaR, asking about the need for regional help desks in Portuguese. The second message is from MariaTeresa, replying to HelenaR and suggesting translation of content into Portuguese to engage more participants.

Google Groups stephen.downes.ca@gmail.com | [My Groups](#) | [Favor](#)

Connectivism and Connective Knowledge

extending access of CCK08 [Options](#)

☆ 7 messages - [Collapse all](#)

HelenaR [View profile](#) [More options](#) Jun 22, 1:58 am

Is there a need to create a kind of regional help desks, in Portuguese for instance, to easy access to this course ? Can i help translating or co-translating the contends ?
Helena

[Reply to author](#) [Forward](#) Rate this post: ☆☆☆☆☆

MariaTeresa [View profile](#) [More options](#) Jun 24, 4:35 pm

Very good idea Helena. Translation is important; even though the language of the course is english, to count with information on how to participante in several languages will help to engage readers in those languages, Maria Teresa

On 22 Jun, 07:58, HelenaR <ramoshelenama_@gmail.com> wrote:

- Show quoted text -

[Reply to author](#) [Forward](#) Rate this post: ☆☆☆☆☆

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

The Students

- Translations...

The screenshot shows a wiki page for 'Conectivismo - Curso online' on the Learning Technologies Centre (LTC) website. The page features a navigation bar with tabs for 'page', 'discussion', 'view source', and 'history'. The main content area includes a welcome message, a tag 'CCK08', and information about the page's availability in multiple languages (English, Spanish, Chinese, Italian) and a Facebook group. A table of contents is also visible, listing sections like 'Por favor, se quiser participar...', 'Blogue do curso', and 'Detalhes do curso'.

LTC
Learning Technologies Centre

Log in / create account

page | discussion | view source | history

Conectivismo - Curso online

Bem-vindo ao wiki de apoio ao **curso online sobre Conectivismo e Conhecimento Conectado**.

Tag do curso: CCK08

Esta página também está disponível em [Inglês](#), em [Espanhol](#) em [Chinês](#) (Versão simplificada de caracteres) e em [Italiano](#).

Esta página também tem um grupo no FaceBook em [CCK08](#)

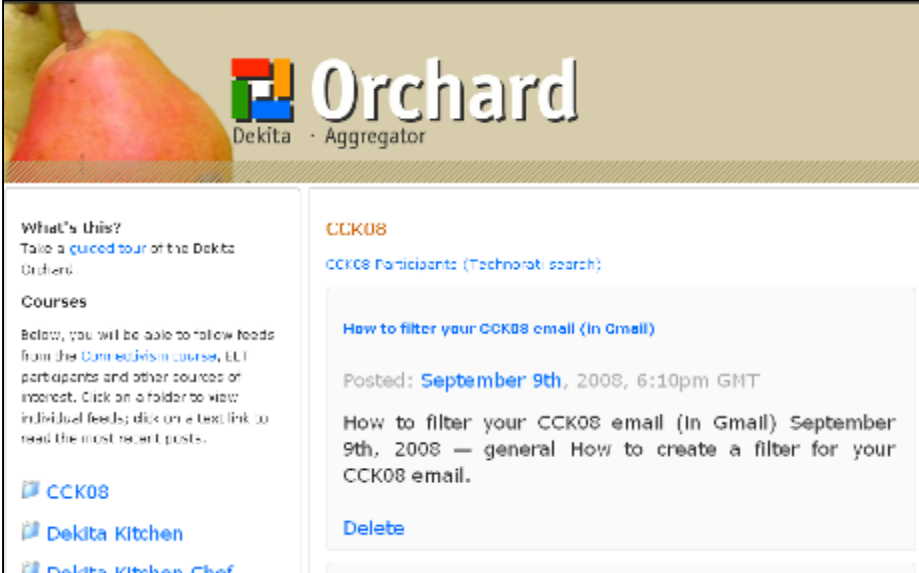
Contents [hide]

- 1 Por favor, se quiser participar, (seja de forma livre ou de uma forma formal para acreditação) insira o seu e-mail aqui
- 2 Blogue do curso
- 3 Detalhes do curso

http://ltc.umanitoba.ca/wiki/Conectivismo_-_Curso_online

The Students

- Dekita...



The screenshot shows the Dekita Orchard aggregator interface. At the top, there is a header with a pear image on the left, a logo consisting of four colored squares (red, green, blue, yellow) in the center, and the text "Orchard" in a large, bold, white font. Below the logo, it says "Dekita · Aggregator".

The main content area is divided into two columns. The left column contains a "What's this?" section with a link to a guided tour, a "Courses" section with instructions on how to follow feeds, and a list of feed categories: "CCK08", "Dekita Kitchen", and "Dekita Kitchen Chef".

The right column displays a post from the "CCK08" feed. The post title is "How to filter your CCK08 email (In Gmail)". The post is dated "September 9th, 2008, 6:10pm GMT". The post content reads: "How to filter your CCK08 email (In Gmail) September 9th, 2008 — general How to create a filter for your CCK08 email." Below the post content is a "Delete" link.

http://dekita.org/orchard/CCK08_/

The Students

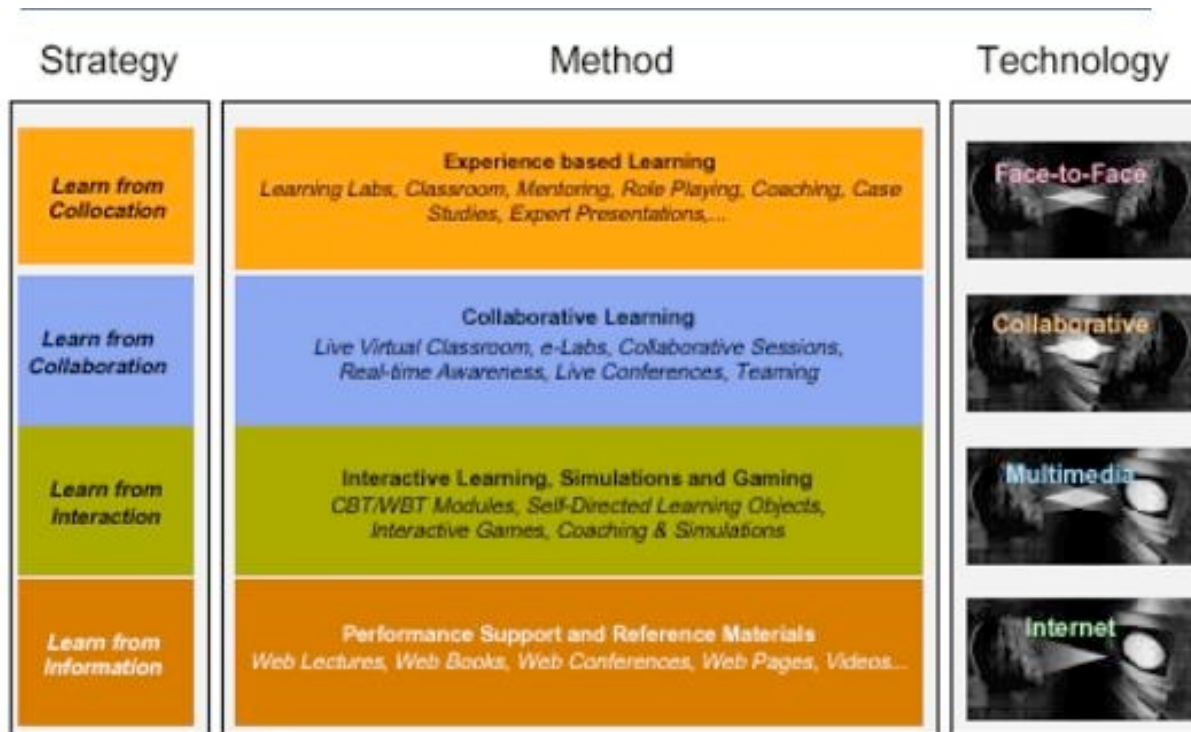
- Second Life...
- Diigo...
- de.l.icio.us
- WordPress...



WORDPRESS.COM

Blogs about: Ccko8

Learning Approach



- <http://apsblog.com/site/learning-architecture/learning-approaches>

Co-Location

Coaching
Mentoring
Interaction
Play
Creation



Physical spaces will become work and creativity spaces, not presentation spaces. New technology includes: ambient internet, multimedia, robotics, capture tools, more... Eg. MIT Media Lab

Collaboration

Conferencing
Meeting
Conversation
Co-creation
Teaming
Networks



Online collaboration becoming more immersive, more multimedia. Eg. Second Life, Adobe Connect, Elluminate; capture tools more prevalent. Collaboration more mobile as well – don't forget recording and capture.

Interaction

Games
Simulations
Training
Learning Objects



Game-based learning becoming widely accepted; games and simulations becoming more realistic; new tools and mod kits to help people program their

Information

Lectures
Books
Conferences
Pages
Video



Information becomes free and ubiquitous; easily found via personalized semantic social networks; data becomes embedded into learning resources.

The Principles

1. Diversity

We want to encourage students to engage in diverse readings, diverse environments, diverse discussions

The Principles

2. Autonomy

We want students to chart their own course, to select their own software, to pursue their own learning

The Principles

3. Interaction / Connectedness

The knowledge in this course emerges as a result of the connections among the students and staff – and is not some ‘content’ shoveled from experts to recipients

The Principles

4. Openness

We don't draw barriers between 'in' and 'out' – which means we can accommodate the full engaged, the partially engaged, and the rest – creating strong ties and weak ties

Thanks!



<http://www.downes.ca>