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**New Learning, New Society**  
Downes, Stephen

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# New learning, new society

Stephen Downes  
February 19, 2015  
Ryerson University: The Chang School

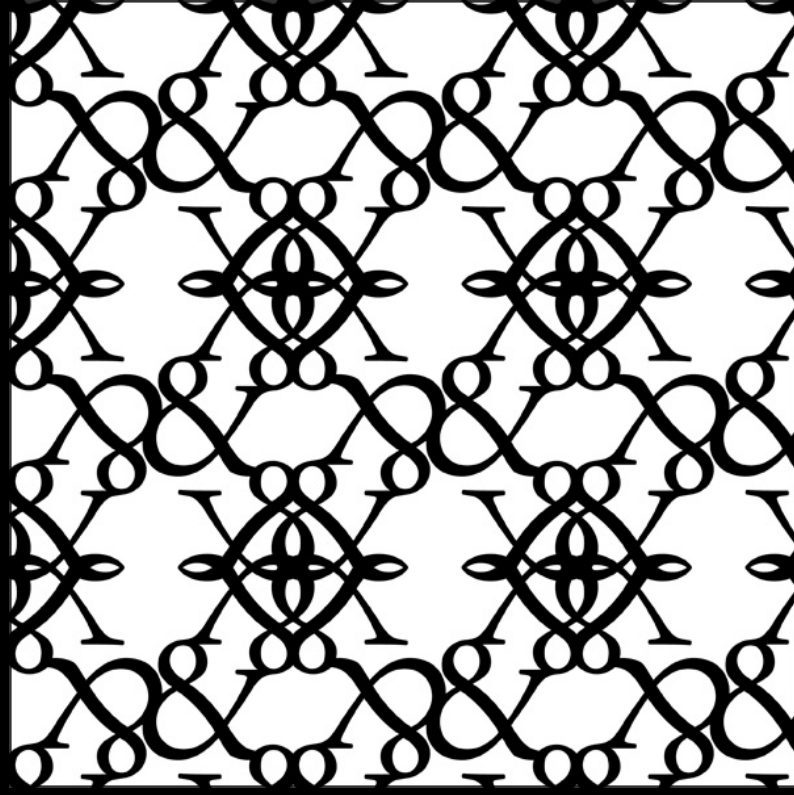


1

The Right Model

# Existing models are failing





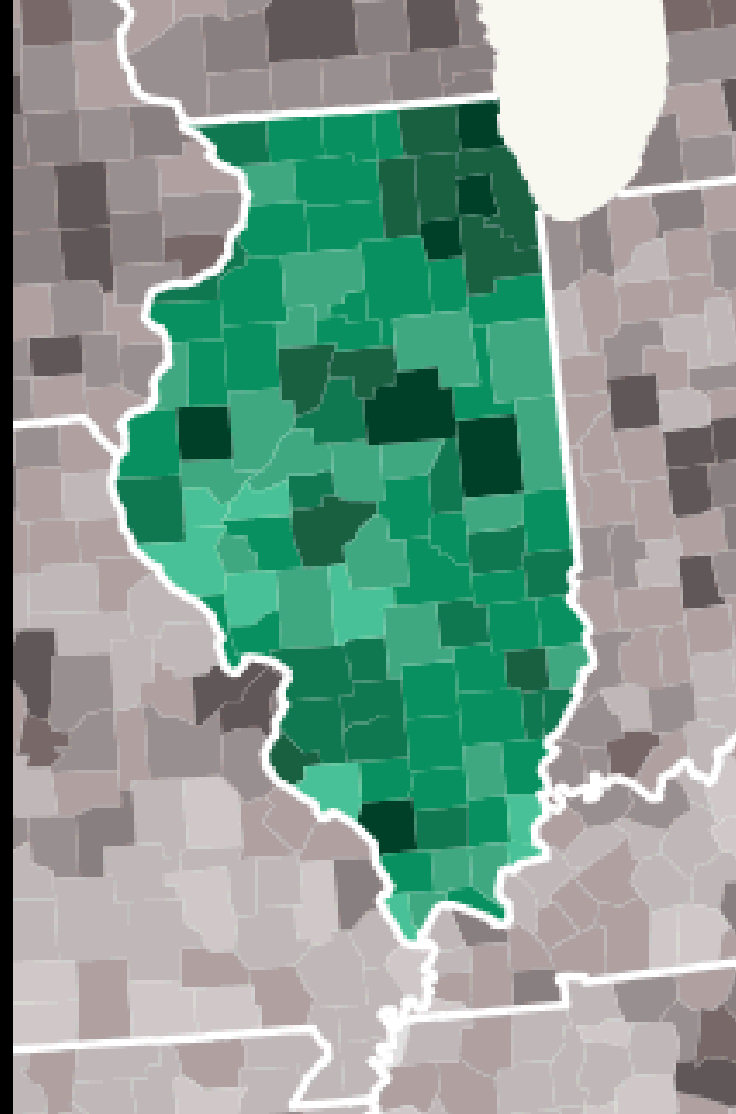
What's the best model for learning?



What's the best model for learning?

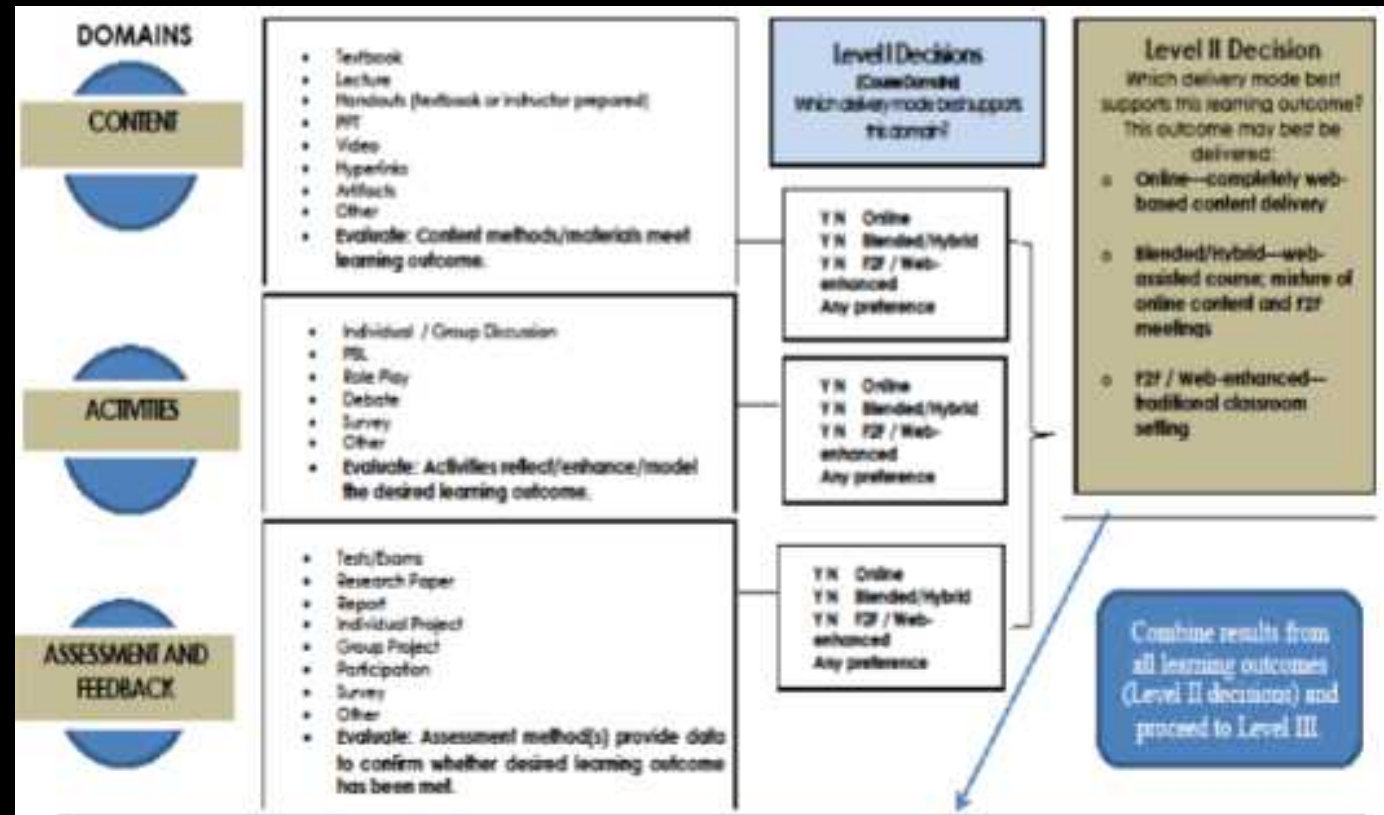
The pundits  
have their own  
models to  
propose

Data-driven management



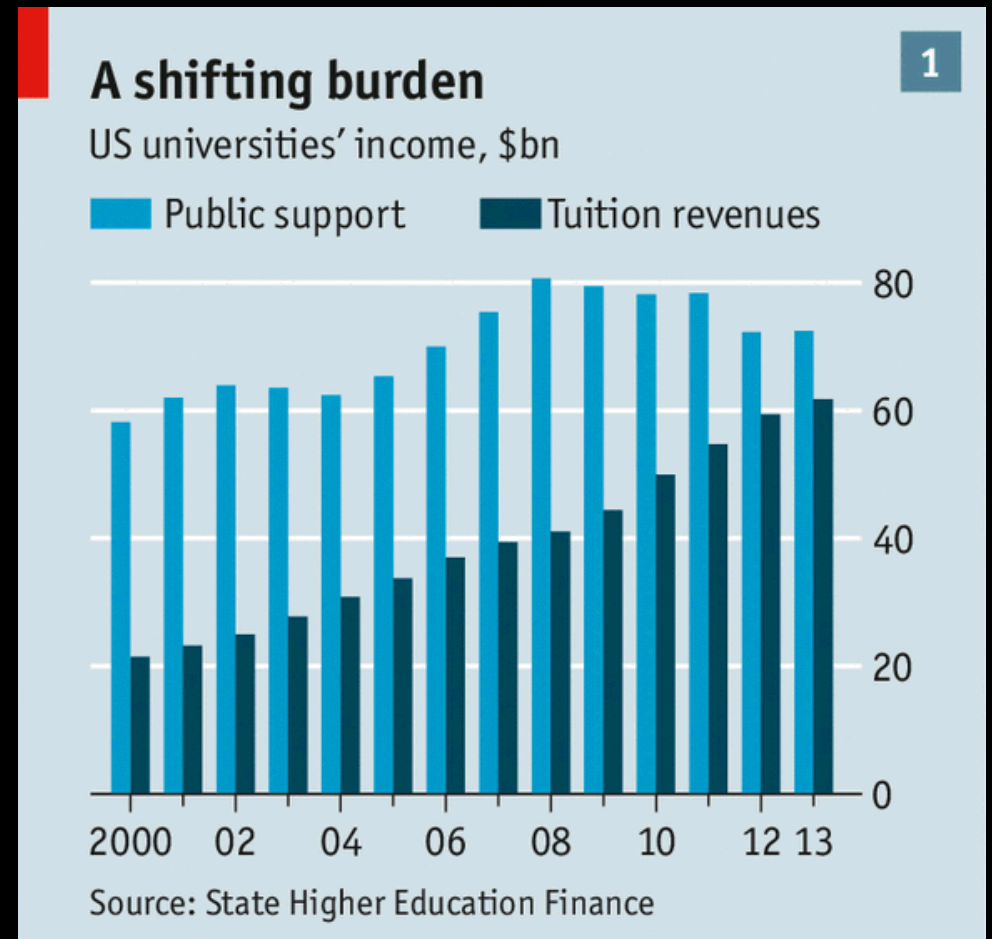
# The pundits have their own models to propose

Tiered service models at universities

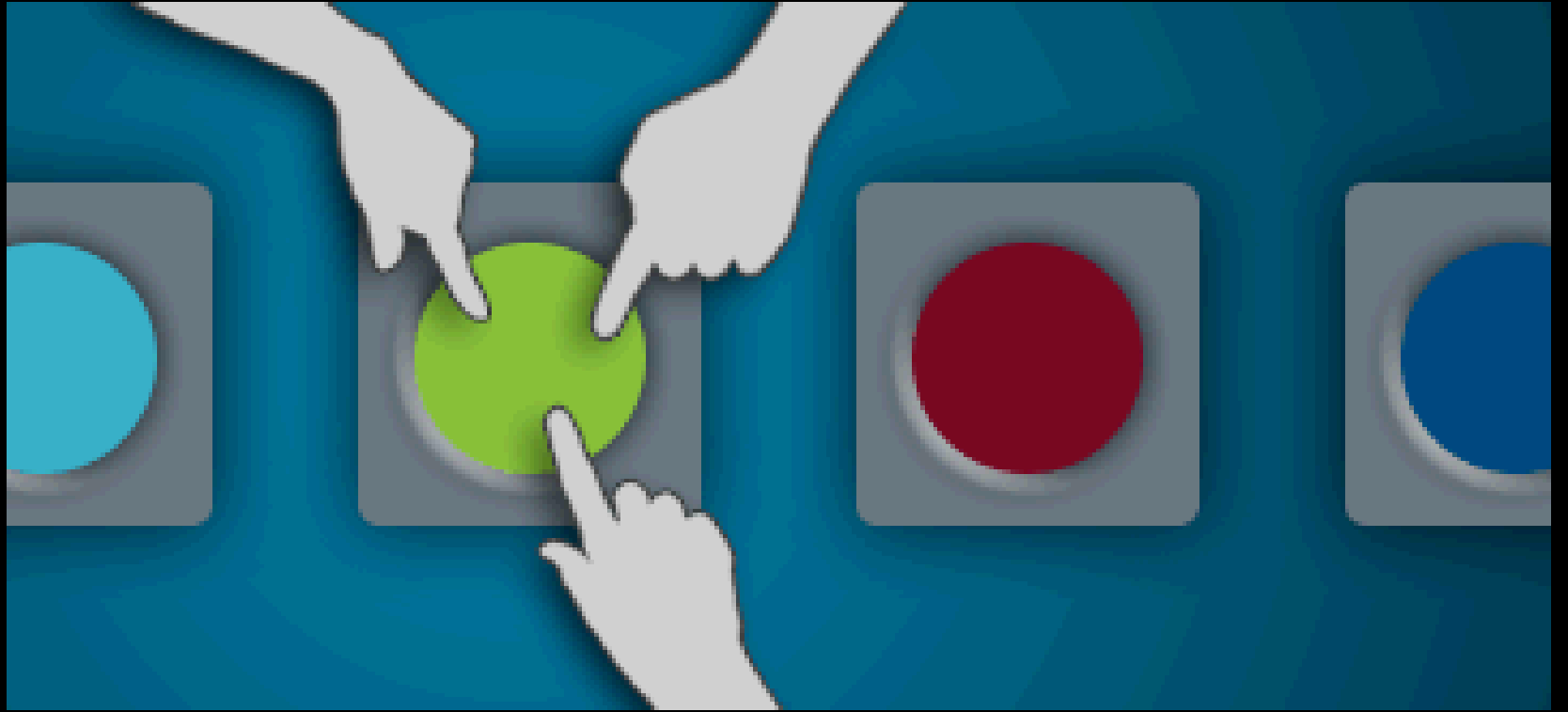




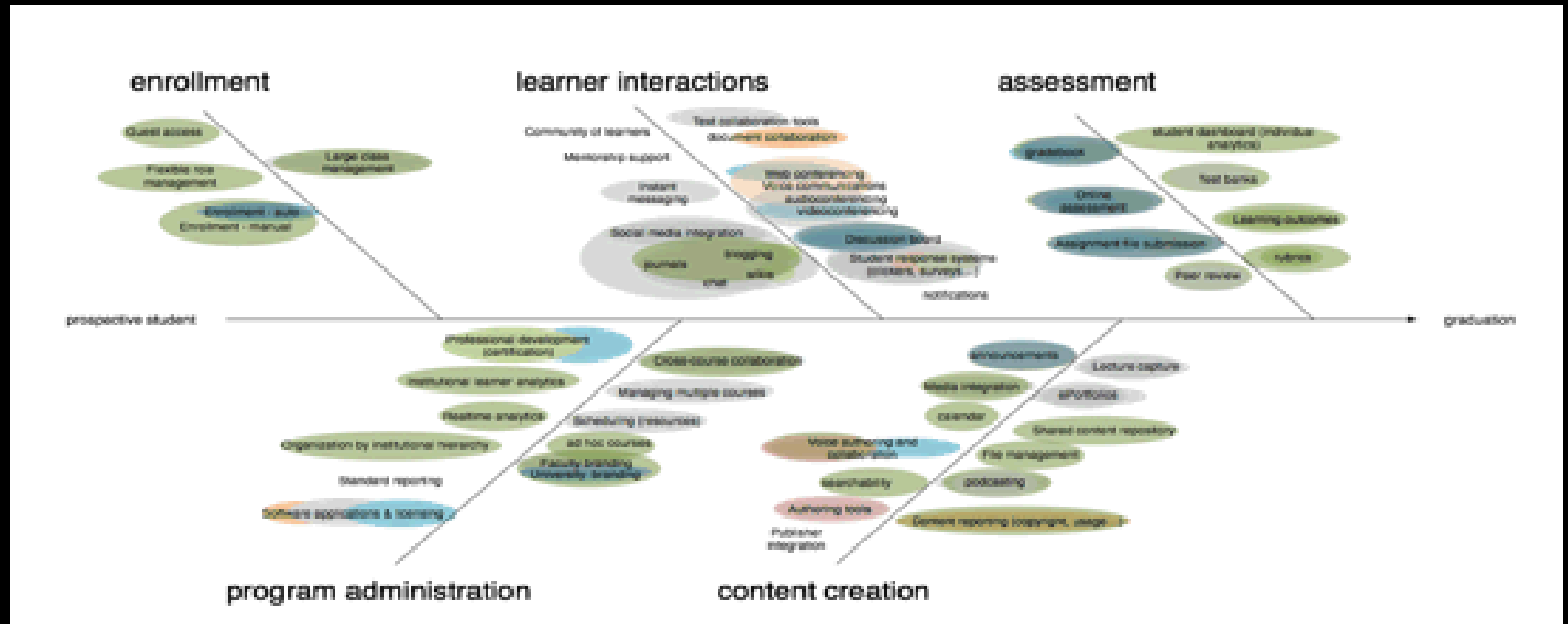
# The pundits have their own models to propose





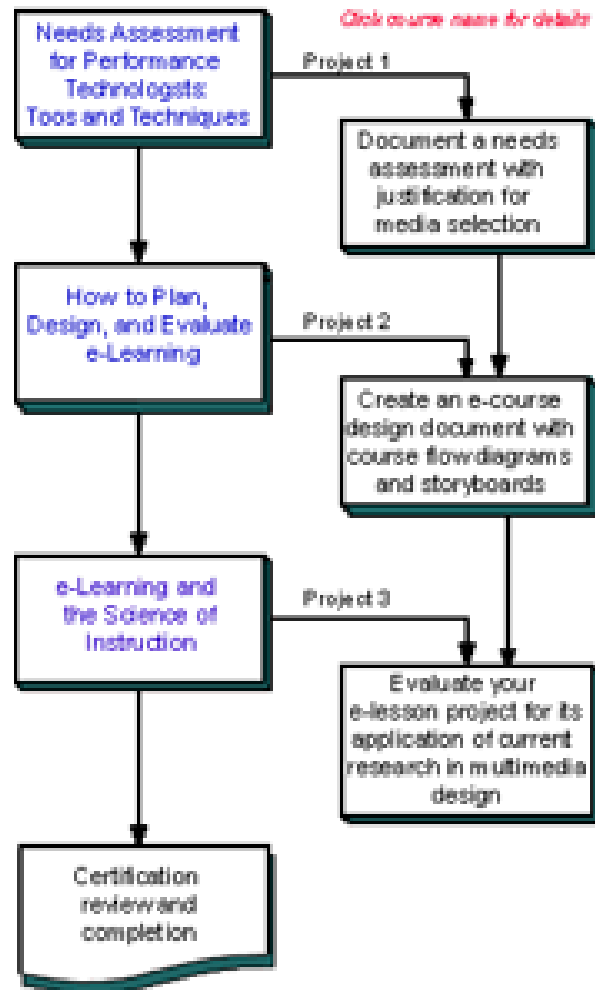


Designers are  
full of models

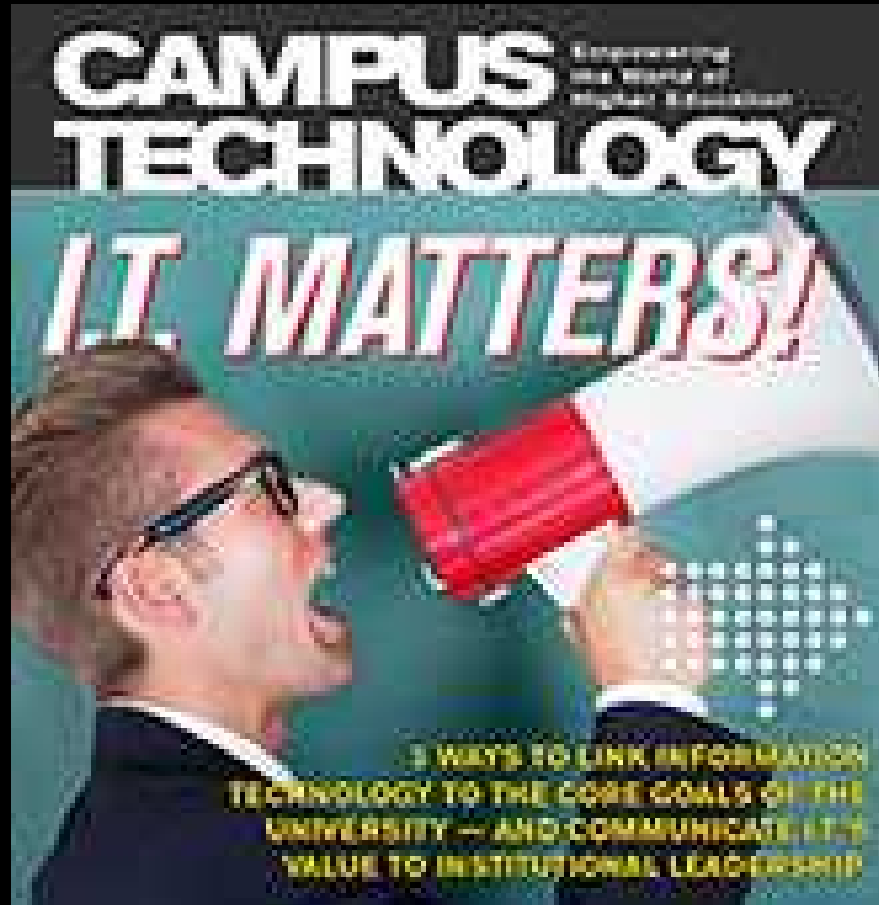


Designers are  
full of models



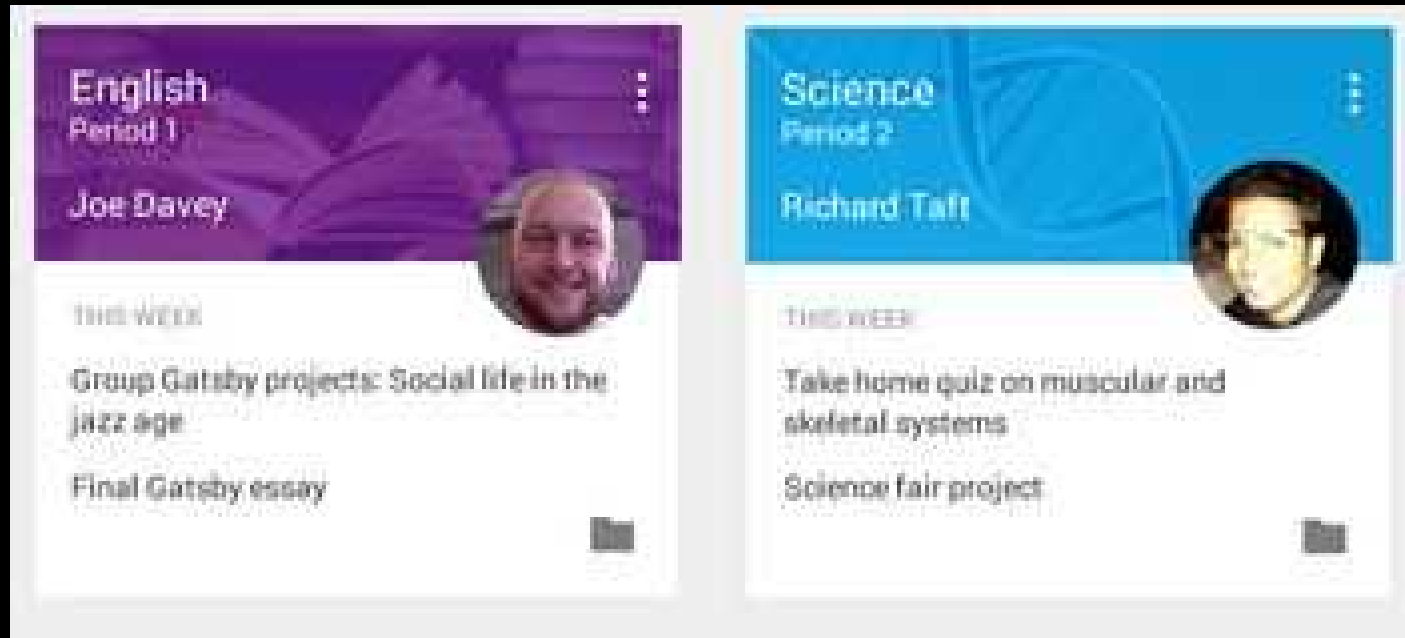


# Technology is full of models



Technology is  
full of models

*'intelligent enough to mimic the traditional classroom experience'*

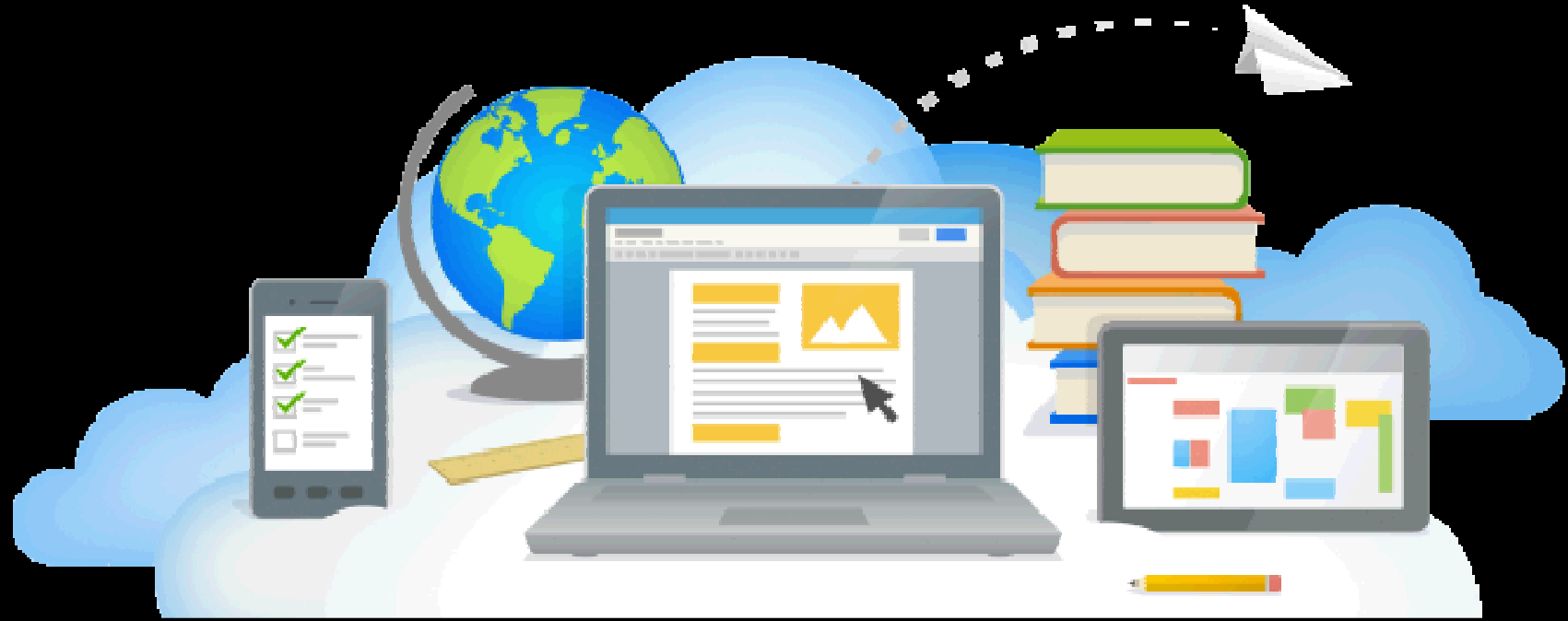


Technology is  
full of models

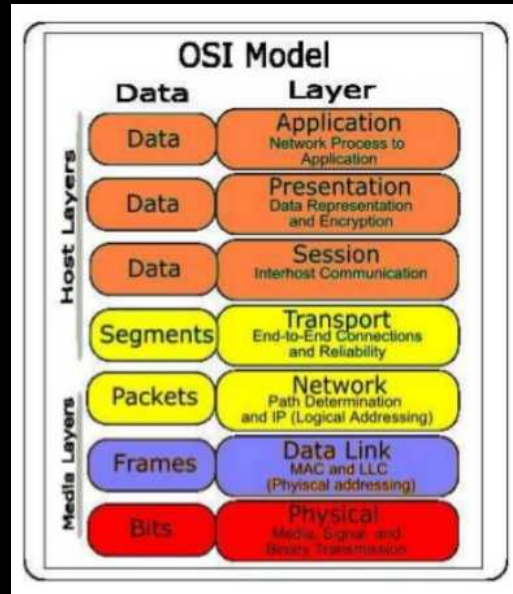


New versions of old models  
don't produce new results





New versions of old models  
don't produce new results



**OPEN ATTRIBUTE**

HTML Text

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<span xmlns:dct="http://pu  
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href="http://blogs.pjjk.net/  
xmlns:cc="http://creativeco  
property="cc:attributionNa  
under a <a rel="license" hre
```

Plain text

Who is using LRMI metadata  
under a <a rel="license" hre  
Commons Attribution 4.0 In

New versions of old models  
don't produce new results

People are looking for  
learning that is relevant and  
practical



People are looking for  
learning that is relevant and  
practical



Iyadunni Olubode



# People are looking for learning that is relevant and practical

"Everyone knows that knowledge is growing at an increasing depth and an increasing breadth, so you need people which can constantly learn and bridge that gap even while they're in their current jobs." Iyadunni Olubode

Maybe the 'right model' is to  
do away with the models  
altogether



Sugata Mitra

Maybe the 'right model' is to  
do away with the models  
altogether



2

# Self-Organized Learning





# The idea of control is an illusion

Sally Satel: Control is an illusion and always has been an illusion. It is a Hobbesian paradox that we cannot enforce change unless change has already occurred.



Jean Baptiste Lamarck

The idea of  
control is an  
illusion



Lucy Gray

# The future of ed tech is a reclamation project

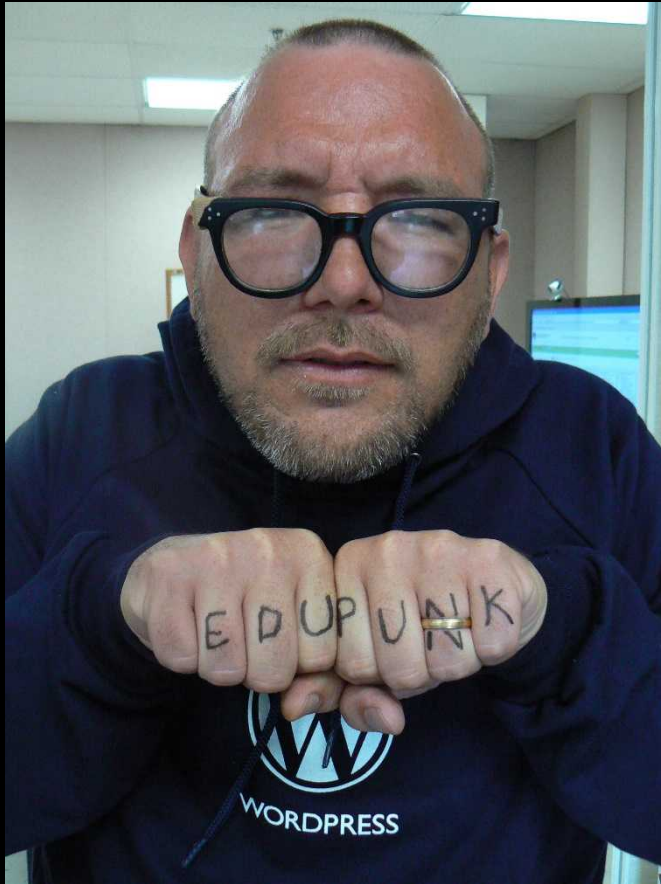
We must reclaim control of the data,  
content, and knowledge we create.”



Audrey Watters

# The future of ed tech is a reclamation project

“We must reclaim control of the data,  
content, and knowledge we create.”



The future of ed  
tech is a  
reclamation project

Jim Groom

G R O O M



In cyberspace no one can hear you scream

The future of ed  
tech is a  
reclamation project

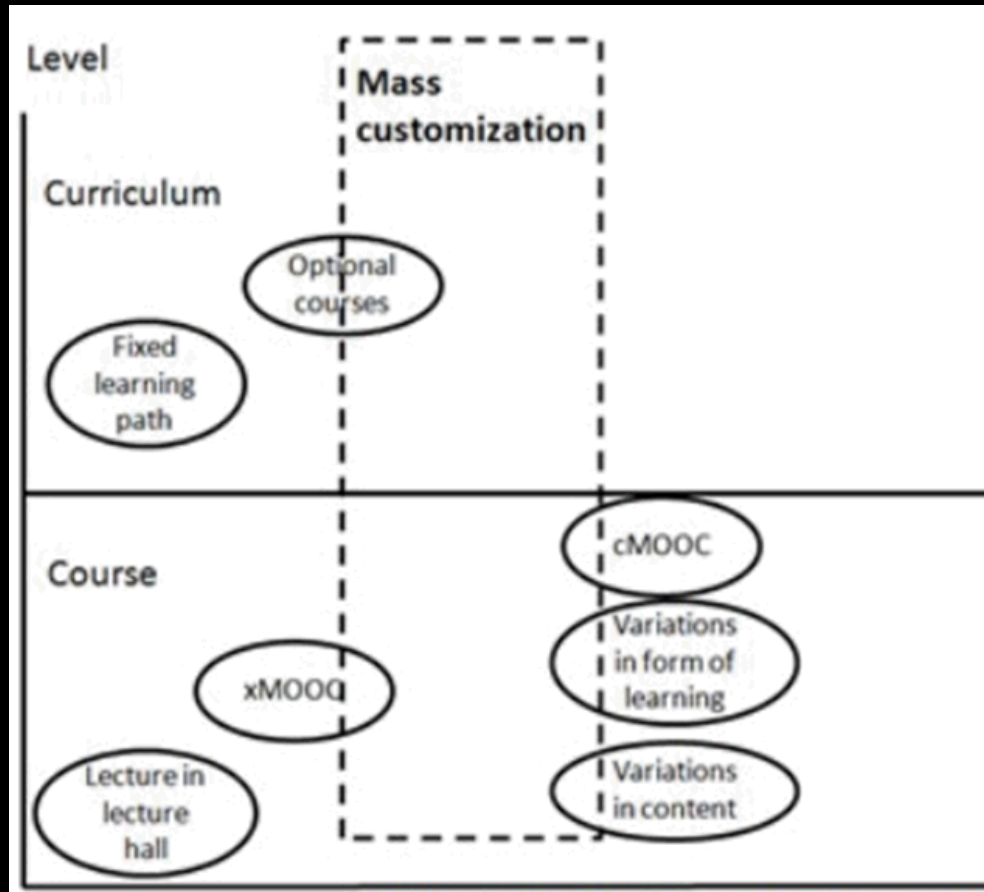
# What's missing is BAD

Bricolage  
Affordances  
Distribution



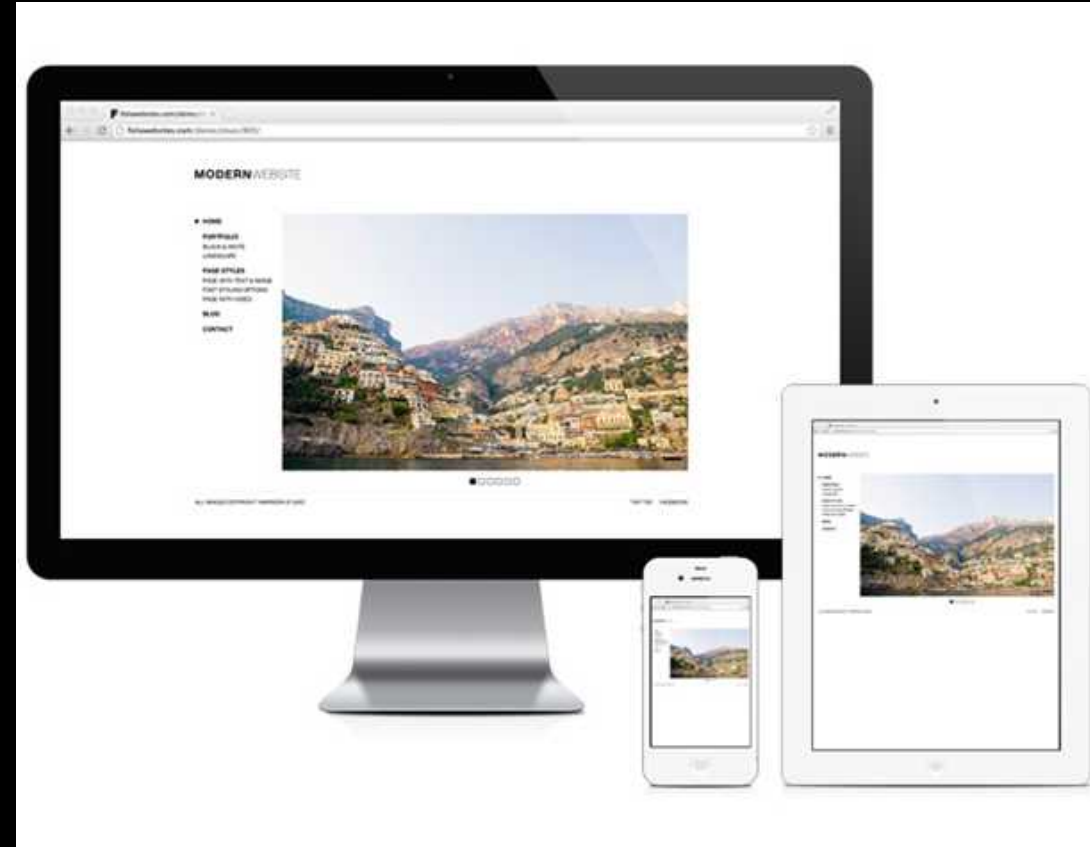


# Personal vs Personalized



Alvin Toffler

# Personal vs Personalized



# Personal vs Personalized





The *personal* isn't  
designed. It is  
based on self-  
organization



The *personal* isn't designed. It is based on self-organization



# The *personal* isn't designed. It is based on self-organization

## Perfect Apple Pie recipe from Pillsbury.com



[www.pillsbury.com/recipes/...apple-pie/1...](http://www.pillsbury.com/recipes/...apple-pie/1...) Pillsbury Company ▾

3 hrs - 230 cal

A classic **apple pie** takes a shortcut with easy Pillsbury® unroll-fill refrigerated pie crust.

## Apple Pie Recipe - Taste.com.au



[www.taste.com.au/recipes/5008/apple+pie](http://www.taste.com.au/recipes/5008/apple+pie) ▾

★★★★★ Rating: 4.5 - 90 reviews

**Apple pie recipe** - Sift flours and a pinch of salt into a large mixing bowl. Add butter and rub lightly into flour with your fingertips. Lift mixture high above the bowl ...

## Scrumptious Apple Pie recipe from Betty Crocker



[www.bettycrocker.com/recipes/...apple-pie/a4...](http://www.bettycrocker.com/recipes/...apple-pie/a4...) ▾ Betty Crocker ▾

2 hrs 20 mins - 480 cal

This **apple pie** is a classic, from the scrumptious filling to the flaky pastry crust. .... of using fresh apples, and you'll shave about half of the prep time off this recipe.

David Weinberger :We don't feel overloaded by the effects of 1.3 million apple pie recipes or 7.6 million cute cat photos.

Reclaimed learning is network  
learning

#hashtag



# Reclaimed learning is network learning



# Reclaimed learning is network learning

David Wiley



Publish (on your) Own Site, Syndicate Elsewhere”...  
The POSSE antimodel

“The edge is becoming more important than the node.”



The rise of mobile, the proliferation of apps...

Mary Meeker

“The edge is becoming more important than the node.”



George Siemens

# “The edge is becoming more important than the node.”

Ben Werdmuller may have a [startup](#) invested in the concept, but his view of an indieweb





# The distributed developer's stack



# The distributed developer's stack

## Applications

Bitnami is an app store for server software. Install your favorite applications in your own servers or run them in the cloud. Select one app to get started or [learn more](#) about what makes Bitnami special.

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Cloud Tools

Accounting

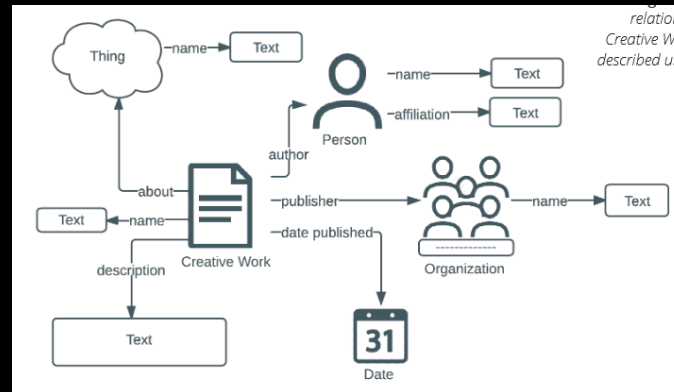
Analytics

Binary Repository

Blog

 WordPress Blog	 Joomla! CMS	 Redmine Bug Tracking	 Drupal CMS	 Ametys CMS	 WAMP Stack Infrastructure
 CraftBukkit Minecraft Games	 Moodle eLearning	 Cloud Tools for Google Cloud Platform	 Magento e-Commerce	 ProcessWire CMS	 ownCloud Media sharing

<https://bitnami.com/stacks>



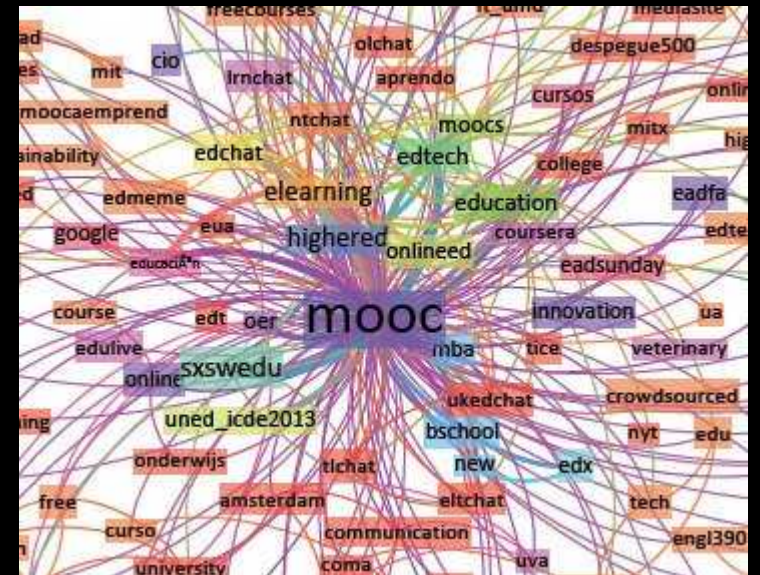
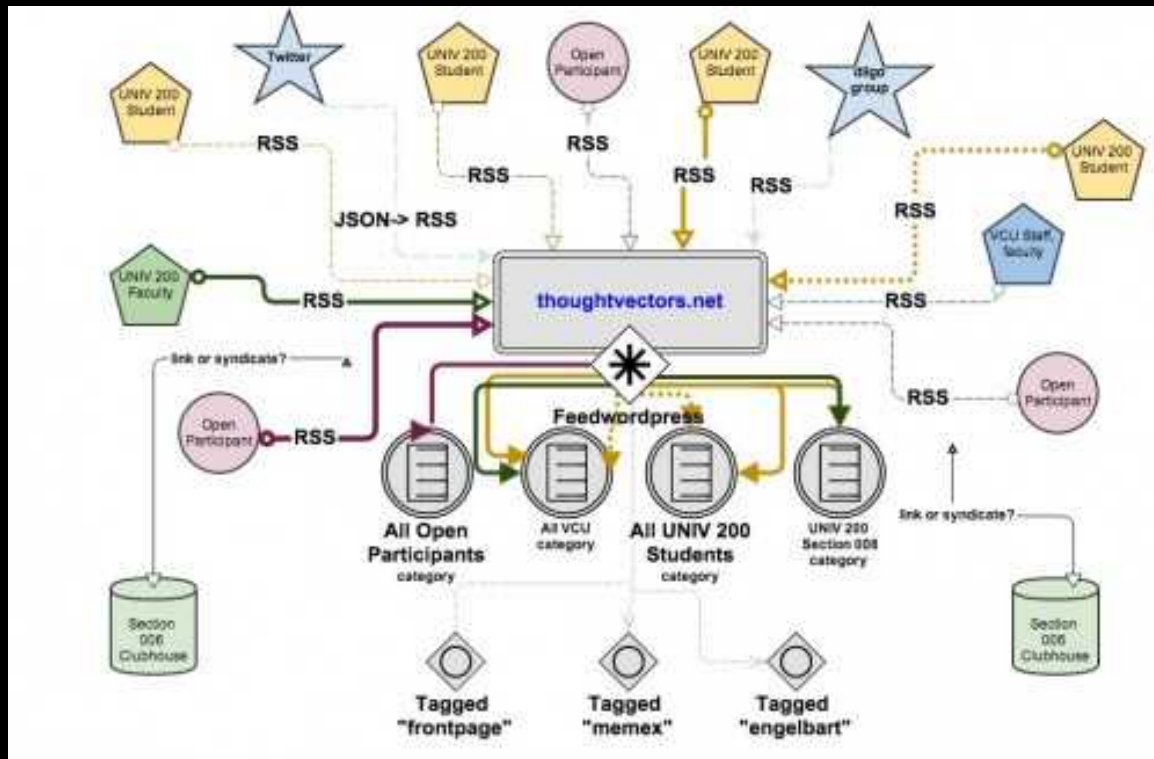
Schema.org



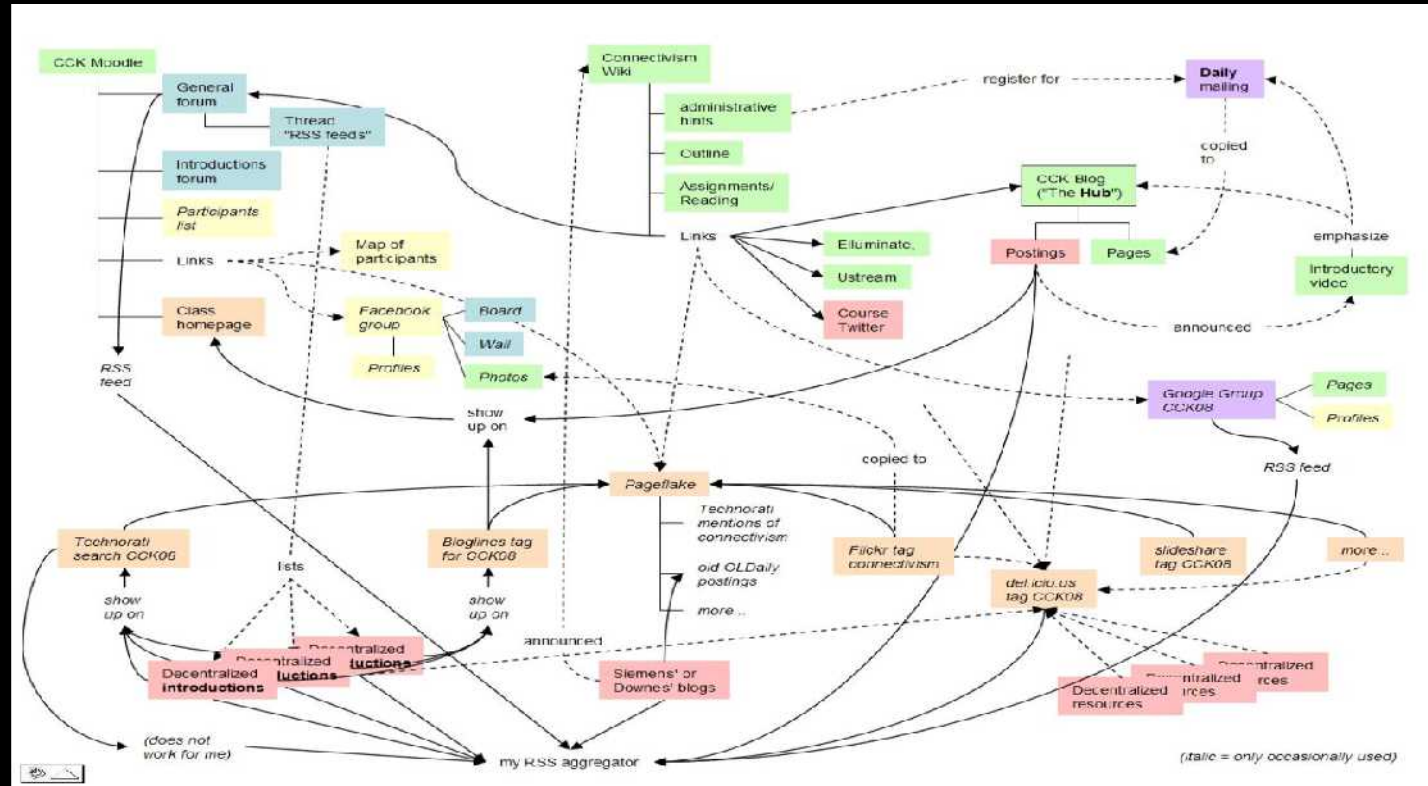
# The distributed developer's stack



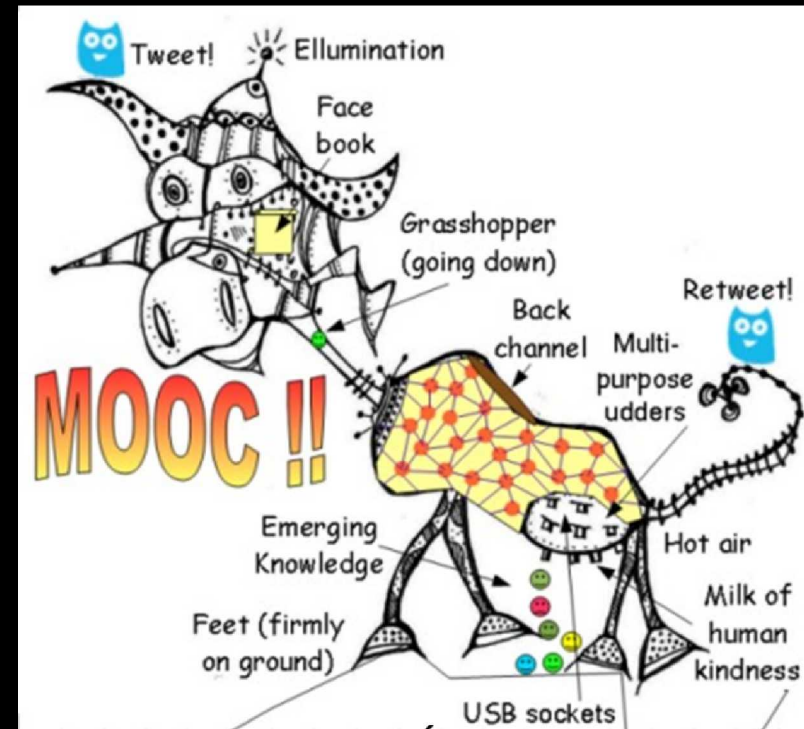
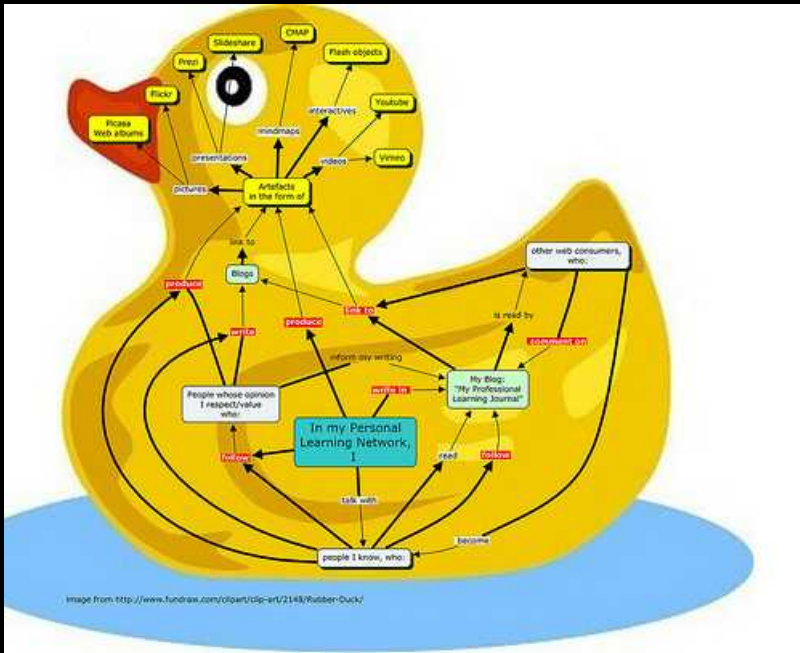
# Network Learning - Building the MOOC



# Network Learning - Building the MOOC



# Network Learning - Building the MOOC



CONOCIMIENTO COMO RÍO NO COMO ESTANQUE

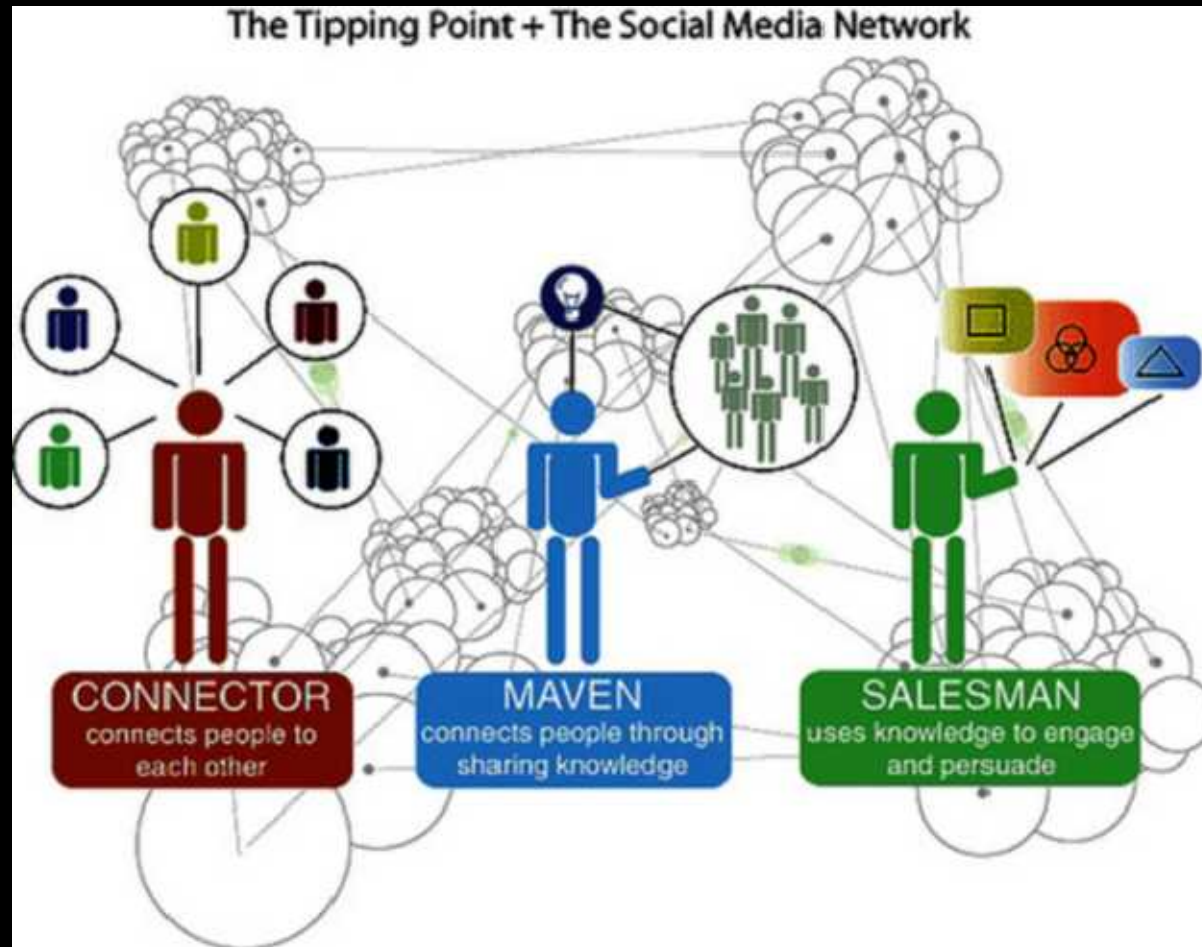
3

Interactions  
in a Problem  
Space



# Connectivism as a learning theory

“Connectivism repositions media as a type of content, in that media, as tools of cognitive engagement, have the potential to transform the content of learning.”

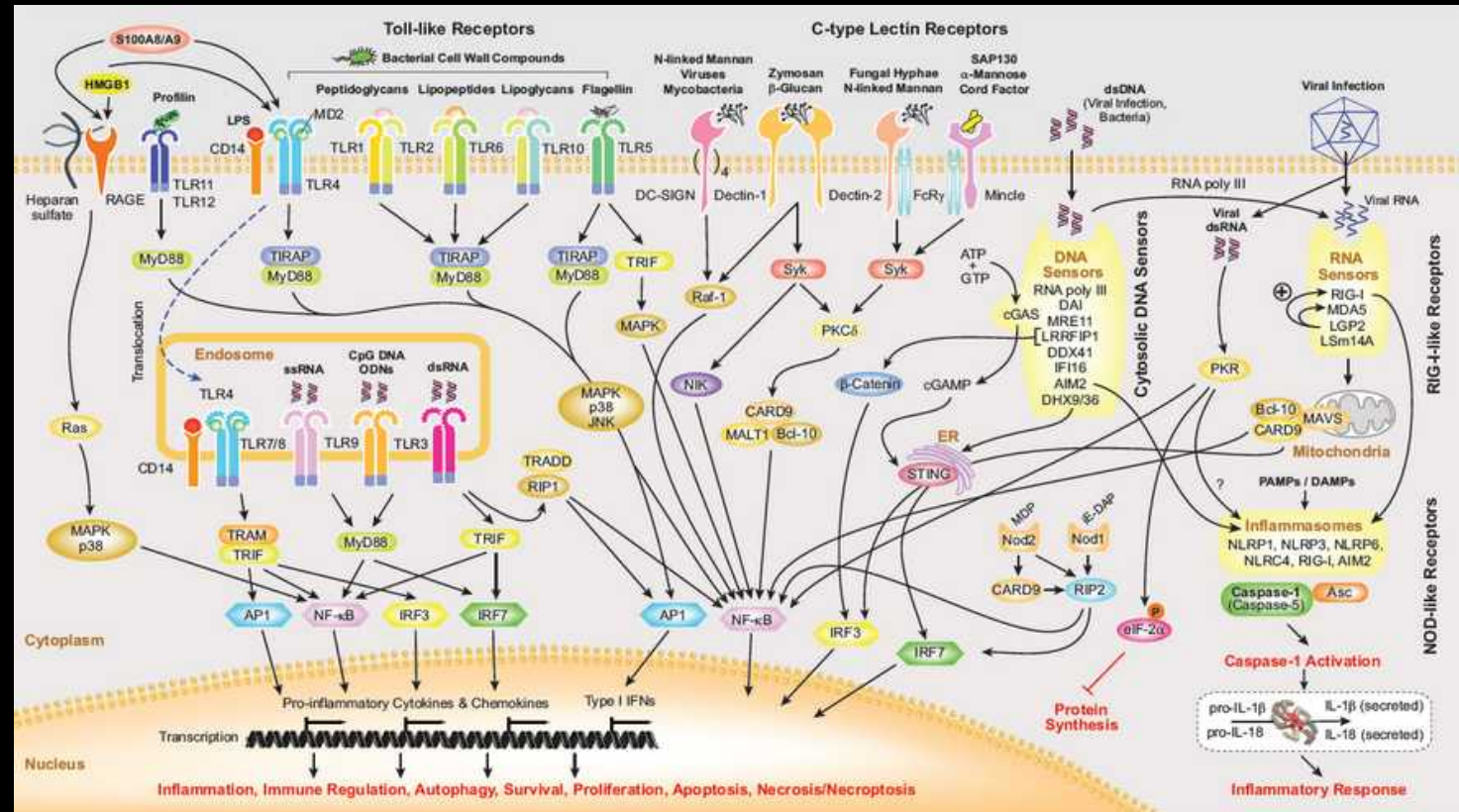


# Connectivism as a learning theory

The Siemens answer is multimodal extension.



# Connectivism as a learning theory



The Downes answer:  
pattern recognition.



# Elements of MOOC design



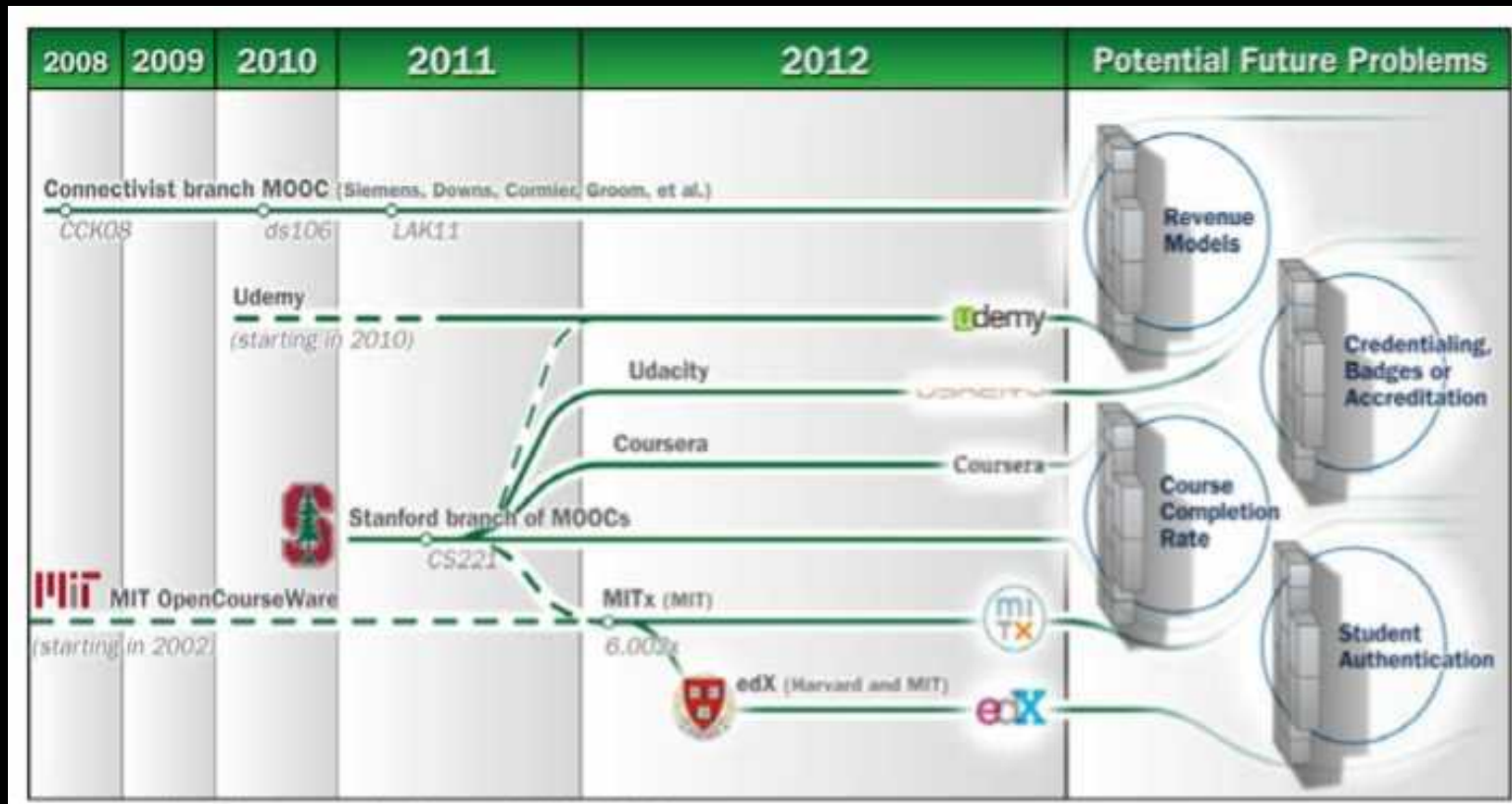
Connection across systems

# Elements of MOOC design



Conversation

# Elements of MOOC design



Reading and networking will  
become one and the same  
thing









Utopia developer Steve Pettifer



Content and literacy will  
become one and the same  
thing

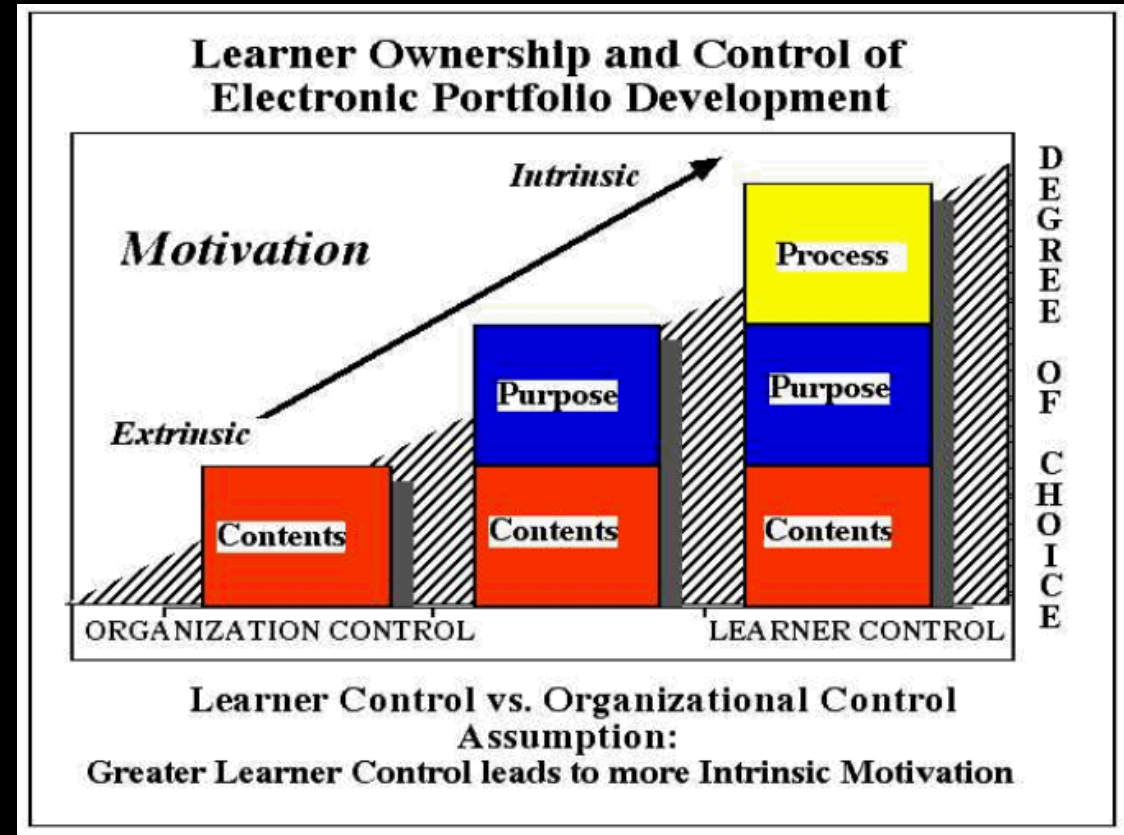


The learner  
at the centre  
of the  
networked  
world

	<b>GOVERNMENT</b>
	<b>PARENTS</b>
	<b>EDUCATORS</b>
	<b>SCHOOL DISTRICTS &amp; LEADERS</b>
	<b>STUDENTS</b>
	<b>FOUNDATIONS</b>
	<b>NON PROFITS</b>
	<b>BUSINESSES</b>

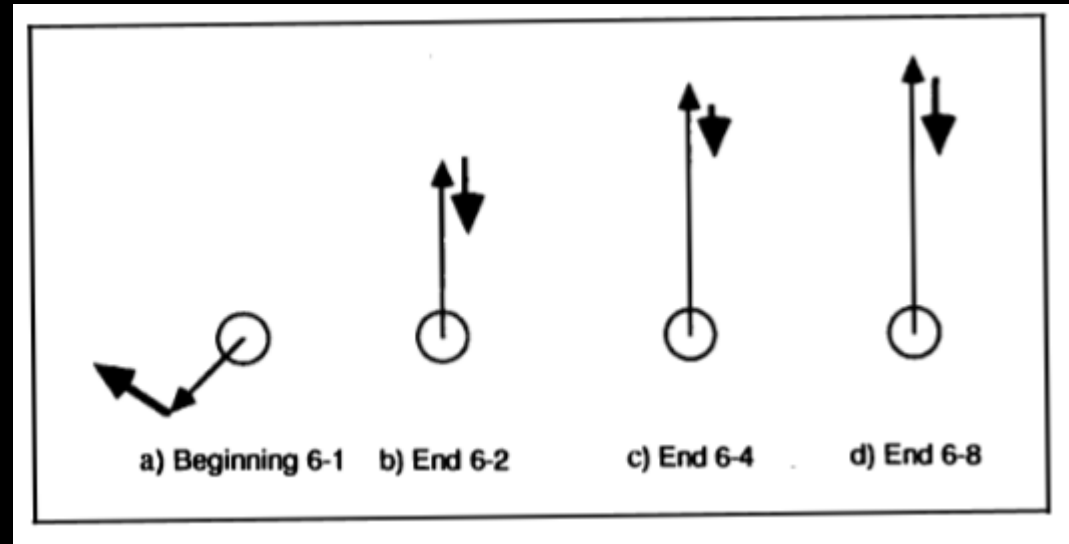


The learner  
at the centre  
of the  
networked  
world



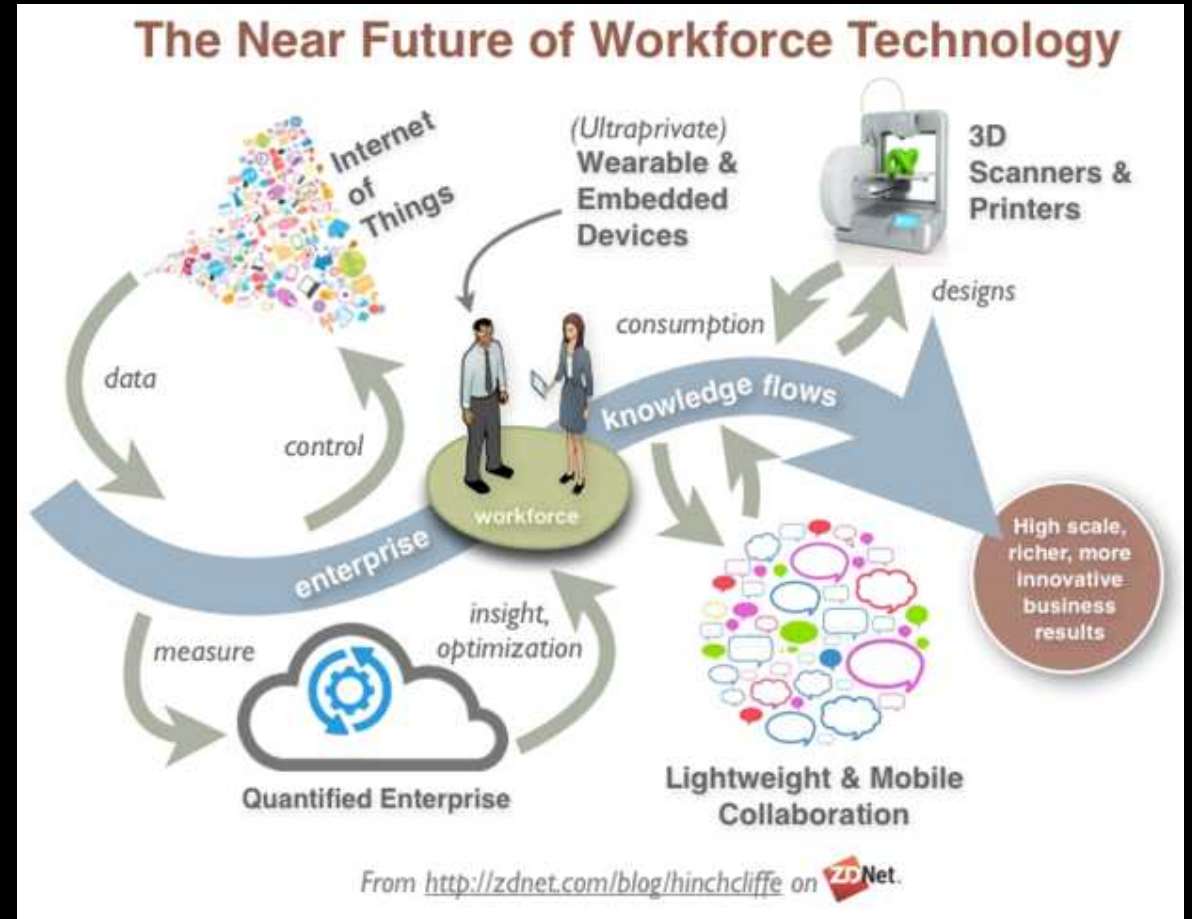


# The learner at the centre of the networked world



Interactions in a problem space

# Connective technology transforming the workplace





# The collaboration of the future: cooperation

we no longer share models, designs, visions, goals, or objectives

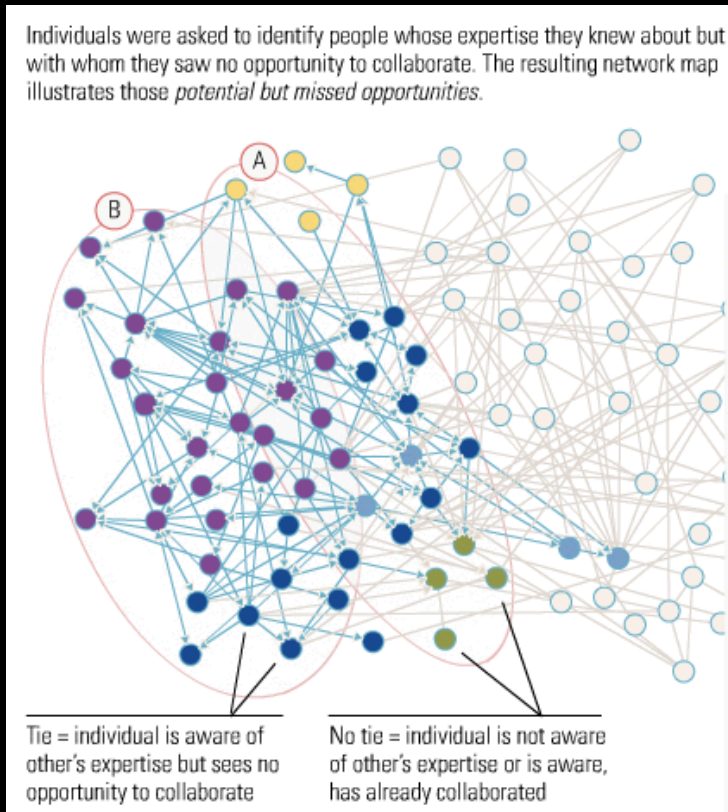


The collaboration of the  
future: cooperation



The collaboration of the  
future: cooperation

# The new skills are network skills



What is it we need when we say we need education?





# What is it we need when we say we need education?



Nicholas Negroponte, Alan Kay, and Marvin Minsky and Mitchel Resnick



New learning, new society



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