Dr Tim Kitchen
http://timkitchen.net/disconnects

Part 1

Take on board as much as you can.

Follow up on at least 2 ideas before next Friday

Please sit with someone you haven't spoken to for at least 3 weeks.

Find out:

- ☑ Their name?
- ☑ Their school (if you don't know)?
- ☑ The class or subject area they are teaching this year?
- ☑ How long they have been teaching?

Did you know that you have the most important occupation in the world?

Teachers vs Students

Primary vs Secondary

Teachers vs Admin

Education vs Creativity

What is the purpose of mainstream education?

Online survey

Part 1

What is the purpose of mainstream education?

http://alturl.com/rpbum

elimination of poverty

creation of peace

saving the environment

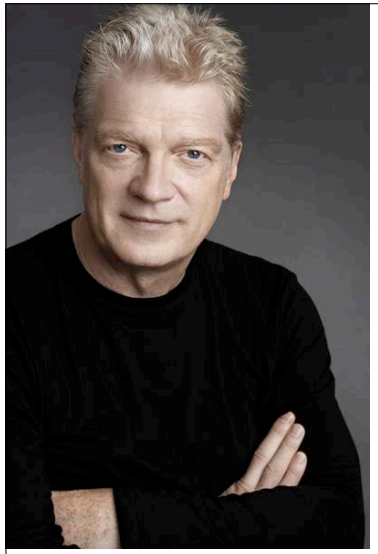
Education is Key

Professor Nicholas Negroponte

Children should be making things.

Learning by Doing

Learning to Learn



Sir Ken Robinson

Purpose of Education.

Personal

Cultural

Economic

Robinson, K. - Out of Our Minds - Chapter 3

How long have you been teaching?

Online survey

Part 2

Part 2 - How many years have you been teaching?

http://alturl.com/rpbum

Teachers' developmental levels of ICT use

1. Inaction;
2. Investigation;
3. Application;
4. Integration; and
5. Transformation.

Inaction

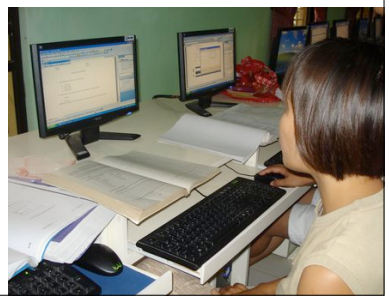
- Lack of interest
- Rarely if ever use ICT

Investigation Stage

- developed an interest
- see the relevance & start acting

Application Stage

- Regular ICT user
- Competent and confident with some software & hardware but don't like too many changes



Integration Stage

- ICT is critical to learning & teaching
- Students are provided with a range of ICT related experiences

Transformation Stage

- Lead the school in relation to ICT use
- Present at seminars and conferences about the way they use ICT

Online survey

Part 3

At which developmental stage of ICT use do you see yourself?

http://alturl.com/rpbum

Dr Tim Kitchen

Search YouTube for **iPad vs Paper**

"We are trying to find ways in which the technology enables children to use knowledge."

Professor Seymour Papert

1980's

"We are trying to find ways in which the technology enables children to use knowledge."

"Nobody knows how computers will be used in 10 or 20 or 30 year's time. What we do know is that they'll be everywhere, as much as pencils. Everybody will have them all the time."

Professor Seymour Papert

1980's

"We are trying to find ways in which the technology enables children to use knowledge."

"Nobody knows how computers will be used in 10 or 20 or 30 year's time. What we do know is that they'll be everywhere, as much as pencils. Everybody will have them all the time."

Professor Seymour Papert

1980's

"And with everybody having computers all the time, it is inconceivable that learning will be like it's been in the past. There will be new ways of learning. But it's up to you, and me, and all of us, to invent that future."

Online survey

Part 4

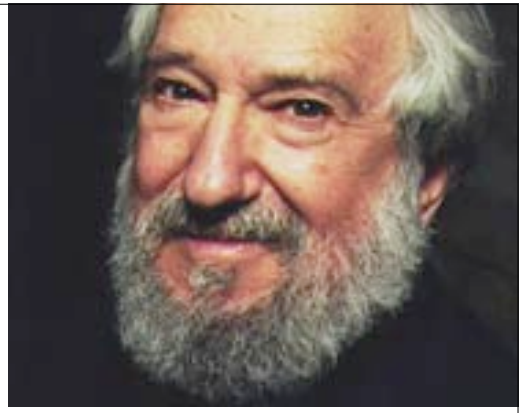
Teaching and learning changed dramatically since the introduction of personal computing in the 1980s?

Agree **Disagree**

Not Sure

http://alturl.com/rpbum

MLC



Professor Seymour Papert

The Godfather of ICT use in education

It is an interesting feature of cultural change that, for a period of time, new technologies tend to be used to do the same old thing.

Sir Ken Robinson

The iPad Revolution

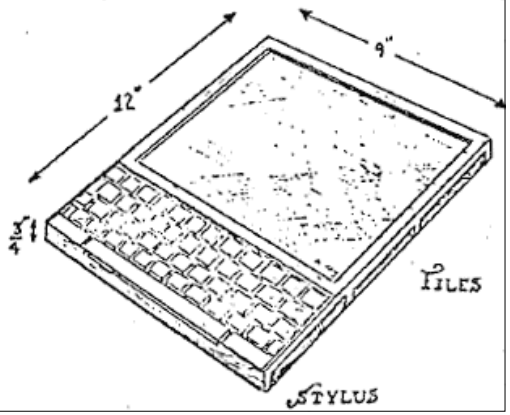
The iPad revolution

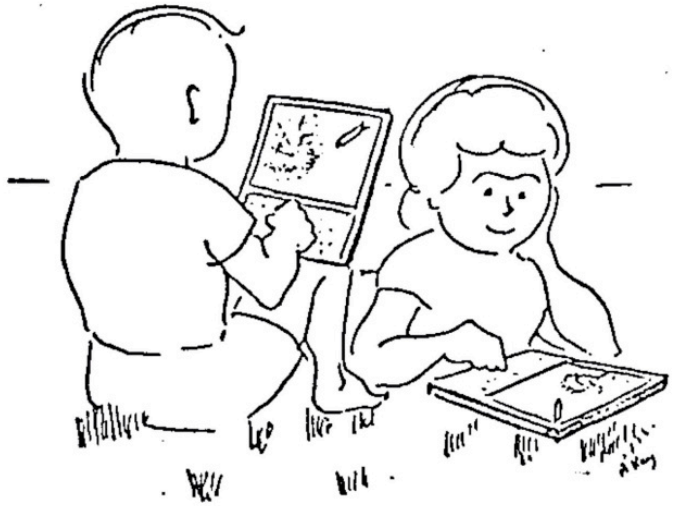
1:1 Student to computer (Anytime Anywhere)

- *Expense (parents & the school)*
- *Battery life*
- *Ergonomics*
- *Security*
- *Dominance in learning environment*

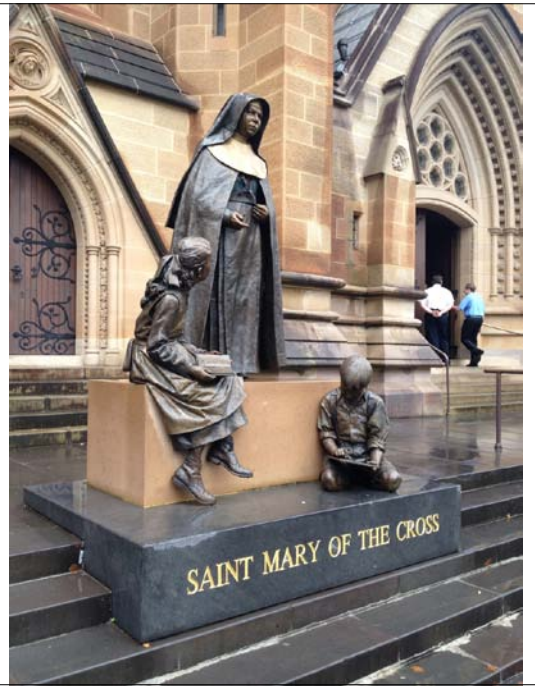
The iPad addressed all these concerns

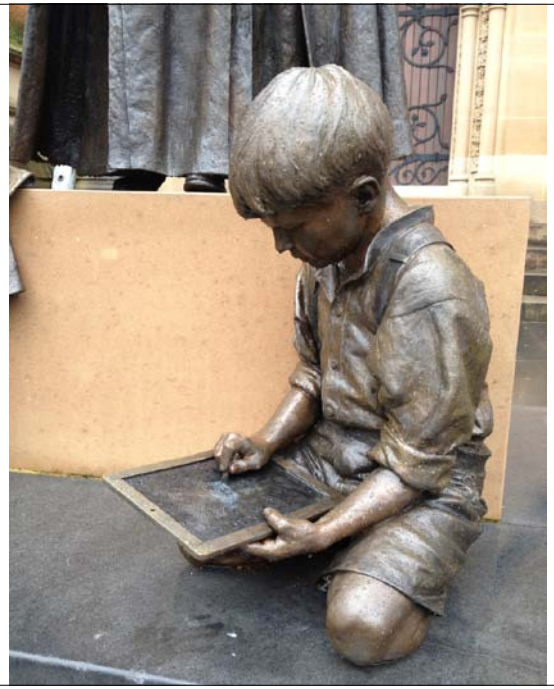
Alan Kay's Dynabook





Drawing from Alan Kay's 1972 paper "A Personal Computer for Children of All Ages"





Thailand pioneers tablet computers in schools nationwide

Mar 8, 2013 2:38pm by Jake Maxwell Watts

Share 14 Tweet 25 Share 5 Share 2 FT Comments 0

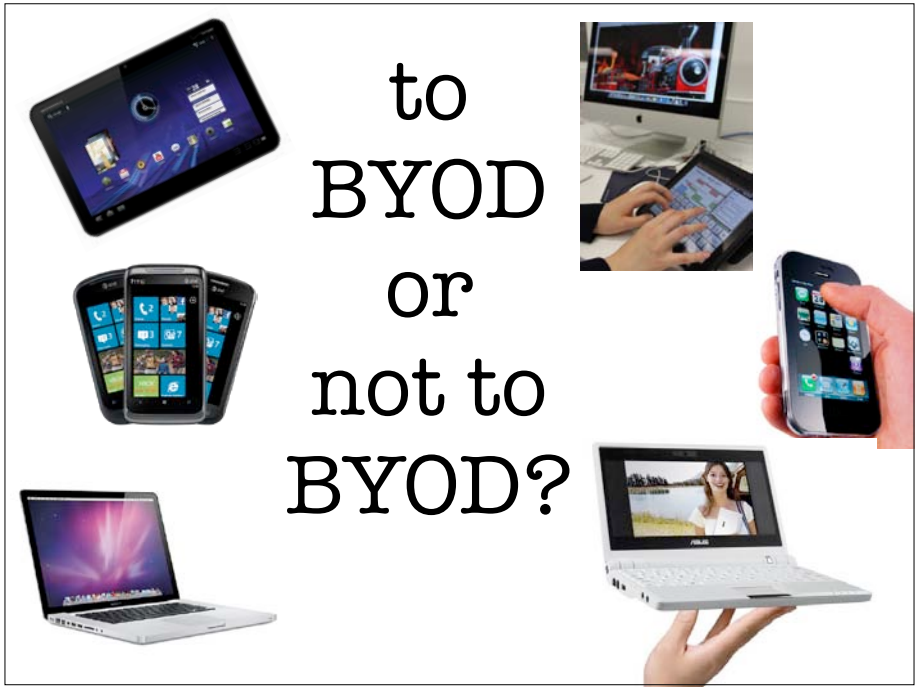
Where's my iPad?

A Thai government deal to supply 1.8m school children with tablet computers, the largest contract of its kind in the world, could tempt about 10 manufacturers to bid.

At just under $100 a tablet, the margins will be wafer-thin. But there will be considerable kudos for the winners. In a fiercely-competitive market that will do no harm.

With a budget of Bt5bn ($168m), the latest plan was for bidding to take place in April but the schedule has suffered organisational delays so tablet computers may not appear in the hands of children until around May – after the start of term.

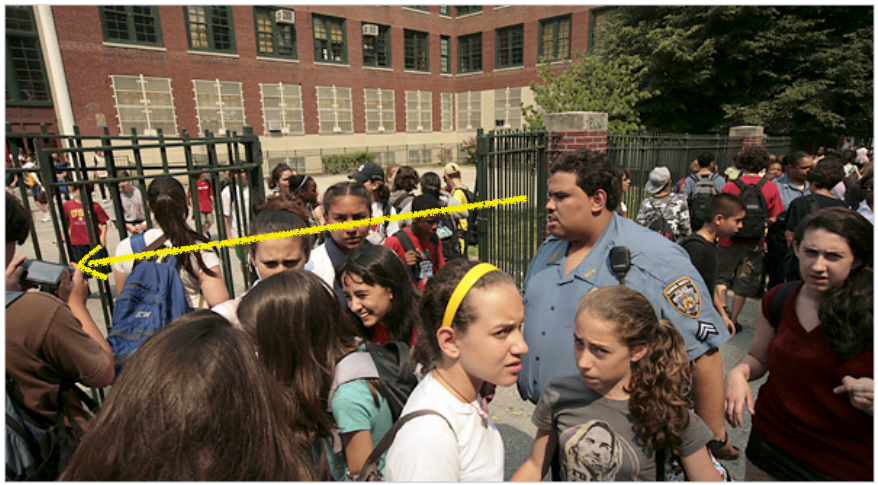
Blended Learning



to
BYOD
or
not to
BYOD?

What do the following all have in common

They have all been banned from chools.



iTips for Teachers

timkitchen.net/itips

Student Data

on owning a mobile device

80% of students have a laptop

65% of students have a smartphone

36% of students have a tablet

Online survey

Part 5 - Sir Ken Robinson says, "our students have a facility with digital technology and it is right and proper therefore that we build them into the heart of education".

Agree **Disagree**

Not Sure

http://alturl.com/rpbum

Our students have a facility with digital technology and it is right and proper therefore that we build them into the heart of education.

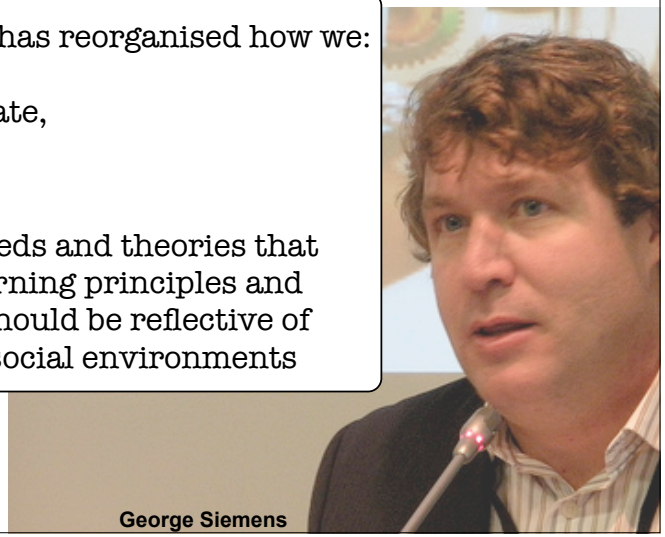
Sir Ken Robinson

http://www.youtube.com/watch?v=soAk3F0wX9s
Search - Gotta Share! The Musical!

Connectivism

Technology has reorganised how we:
- live,
- communicate,
- learn.

Learning needs and theories that describe learning principles and processes, should be reflective of underlying social environments



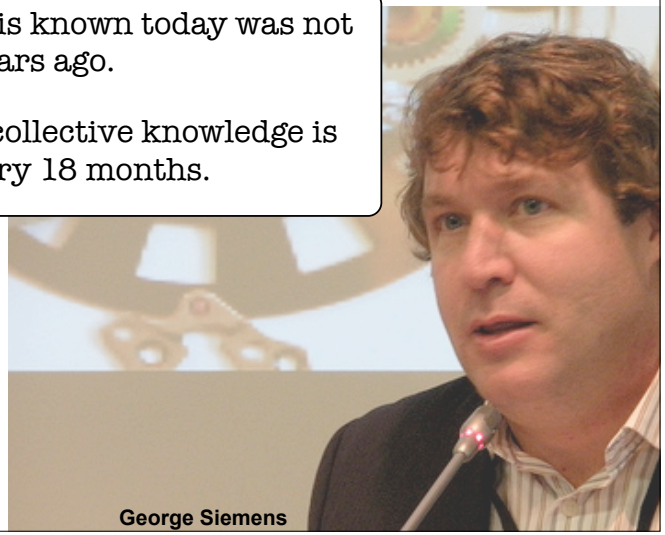
Connectivism

Traditional learning and teaching theories catered for a different world to today.

Connectivism

Half of what is known today was not known 10 years ago.

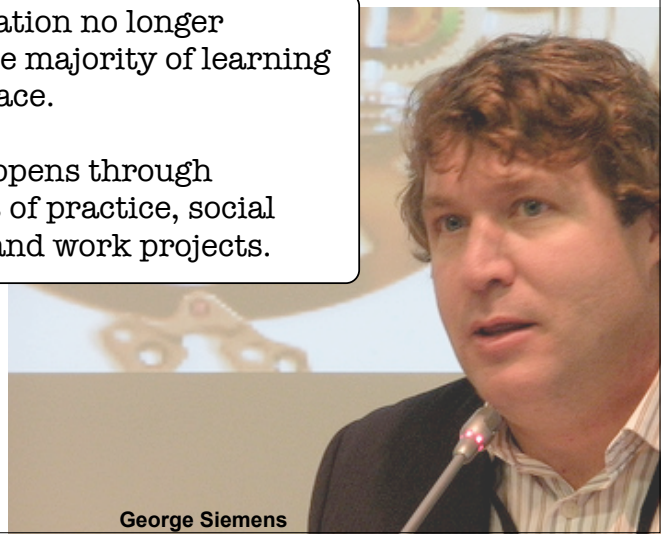
The world's collective knowledge is doubling every 18 months.



Connectivism

Formal education no longer comprises the majority of learning that takes place.

Learning happens through communities of practice, social networking and work projects.



Connectivism

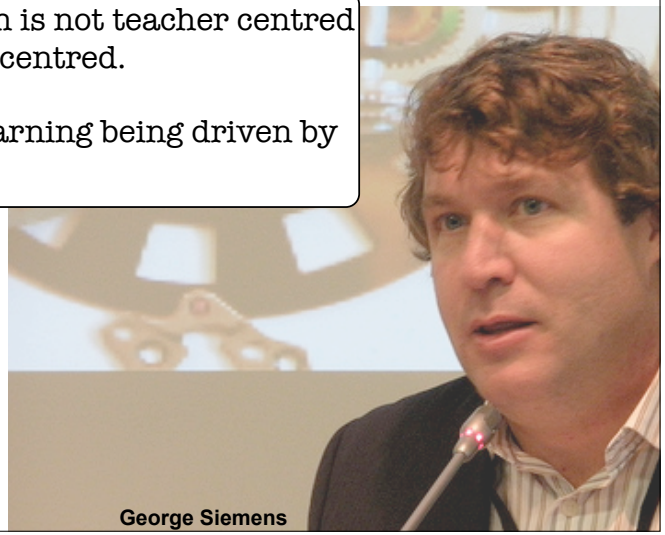
Learning is a lifelong process, not just an formal process

Technological developments are providing the tools to define and develop our thinking

Connectivism

Connectivism is not teacher centred or computer centred.

It is about learning being driven by change.



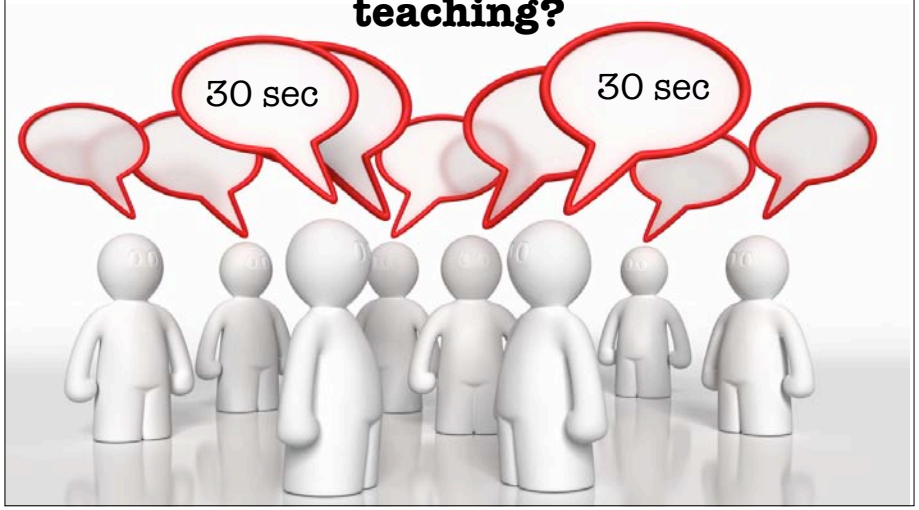
Connectivism

The capacity to know is more important that what is actually known.

Maintaining connections between concepts, ideas and networks is vital.

What is considered right today may well be wrong tomorrow.

In what ways (if any) does Siemens' learning theory of connectivism relate to your teaching?



Search - my blackberry is frozen

http://www.youtube.com/watch?v=kAG39jKi0II

End of part 1