Loose Change

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James Clay

ILT & Learning Resources Manager

Gloucestershire College

@jamesclay

elearningstuff.net

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gloucestershire

Culture

Technology

Pedagogy

Scepticism

Modern technology is changing the way our brains work, says neuroscientist

By SUSAN GREENFIELD

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Human identity, the idea that defines each and every one of us, could be facing an unprecedented crisis.

It is a crisis that would threaten long-held notions of who we are, what we do and how we behave.

It goes right to the heart - or the head - of us all. This crisis could reshape how we interact with each other, alter what makes us happy, and modify our capacity for reaching our full potential as individuals.

And it's caused by one simple fact: the human brain, that most sensitive of organs, is under threat from the modern world.

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Social websites harm children's brains: Chilling warning to parents from top neuroscientist

By DAVID DERBYSHIRE

Last updated at 1:45 AM on 24th February 2009

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Social networking websites are causing alarming changes in the brains of young users, an eminent scientist has warned.

Sites such as Facebook, Twitter and Bebo are said to shorten attention spans, encourage instant gratification and make young people more self-centred.

The claims from neuroscientist Susan Greenfield will make disturbing reading for the millions whose social lives depend on logging on to their favourite websites each day.

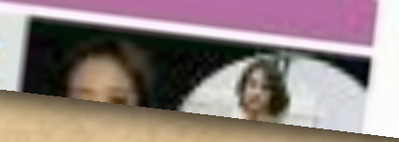
Site Web

bing

BT Home Hub worth over £90

FEMAIL TODAY

'He is an amazing little boy and he changed my



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off HOME COVER

Computer games leave children with 'dementia' warns top neurologist

- Children are staring at screens for 2,000 hours a year
- Expert says browsing habits could lead to 'temporary dementia'

By SADIE WHITELOCKS

Last updated at 2:24 PM on 14th October 2011

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Children's brains could be left damaged and they could suffer temporary 'dementia' by playing computer games, a leading scientist has warned.

Eminent neuroscientist Baroness

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FEMAIL TODAY

'He is an amazing little boy and he changed my

femail

How Facebook addiction is damaging your child's brain: A leading neuroscientist's chilling warning

By BARONESS SUSAN GREENFIELD

Last updated at 1:26 AM on 23rd April 2009

Comments (0) | Share +1 0 Tweet 14 Like 624

Can you imagine a world without long-term relationships, where people are unable to understand the consequences of their actions or empathise with one another?

Such conditions would not only hamper our happiness and prosperity – they could threaten our very survival.

Yet this imagined existence isn't as far away as it seems. It is a plausible future. For we are developing an ever deeper dependence on websites such as Facebook, Twitter and Second Life – and these technologies can alter the way our minds work.

Site Web bing

So have more

one bottle

FEMAIL TODAY

This is an amazing little boy and he changed my

2 January 2012 Last updated at 00:33

1.3K Share

Teachers warned over Facebook and Twitter use

Scottish teachers are being warned that their use of social networking sites could put their careers at risk.

The Scottish Secondary Teachers Association believes teachers can reveal too much personal information on sites such as Facebook and Twitter.

The union also fears they could become overly familiar with pupils.

The General Teaching Council of Scotland is preparing new guidelines on social networking sites.

The SSTA fears teachers can reveal too much personal information on sites like Twitter

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Drug woes

Why the pharmaceutical industry

So much is exhibited to the eye that nothing is left to the imagination. It sometimes seems almost possible that the modern world might be choked by its own riches...

G. J. Goschen, First Annual Address to the Students,
Toynbee Hall. London
1894

The managers of sensational newspapers ... do not try to educate their readers and make them better, but tend to create perverted tastes and develop vicious tendencies.

The owners of these papers seem to have but one purpose, and that is to increase their circulation.

Medical Brief, Volume 26
1898

It is, unfortunately, one of the chief characteristics of modern business to be always in a hurry.

In olden times it was different.

The Medical Record
1884

To take sufficient time for our meals seems frequently impossible on account of the demands on our time made by our business...

We act on the apparent belief that all of our business is so pressing that we must jump on the quickest car home, eat our dinner in the most hurried way.

Louis John Rettger. Studies in Advanced Physiology
1898

If we teach the children how to play and encourage them in their sports ... instead of shutting them in badly ventilated schoolrooms, the next generation will be more joyous and will be healthier than the present one.

A Comprehensive Summary of the Press Throughout the World,
Volume 18
1895

Why ?

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James Clay

Change

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Models

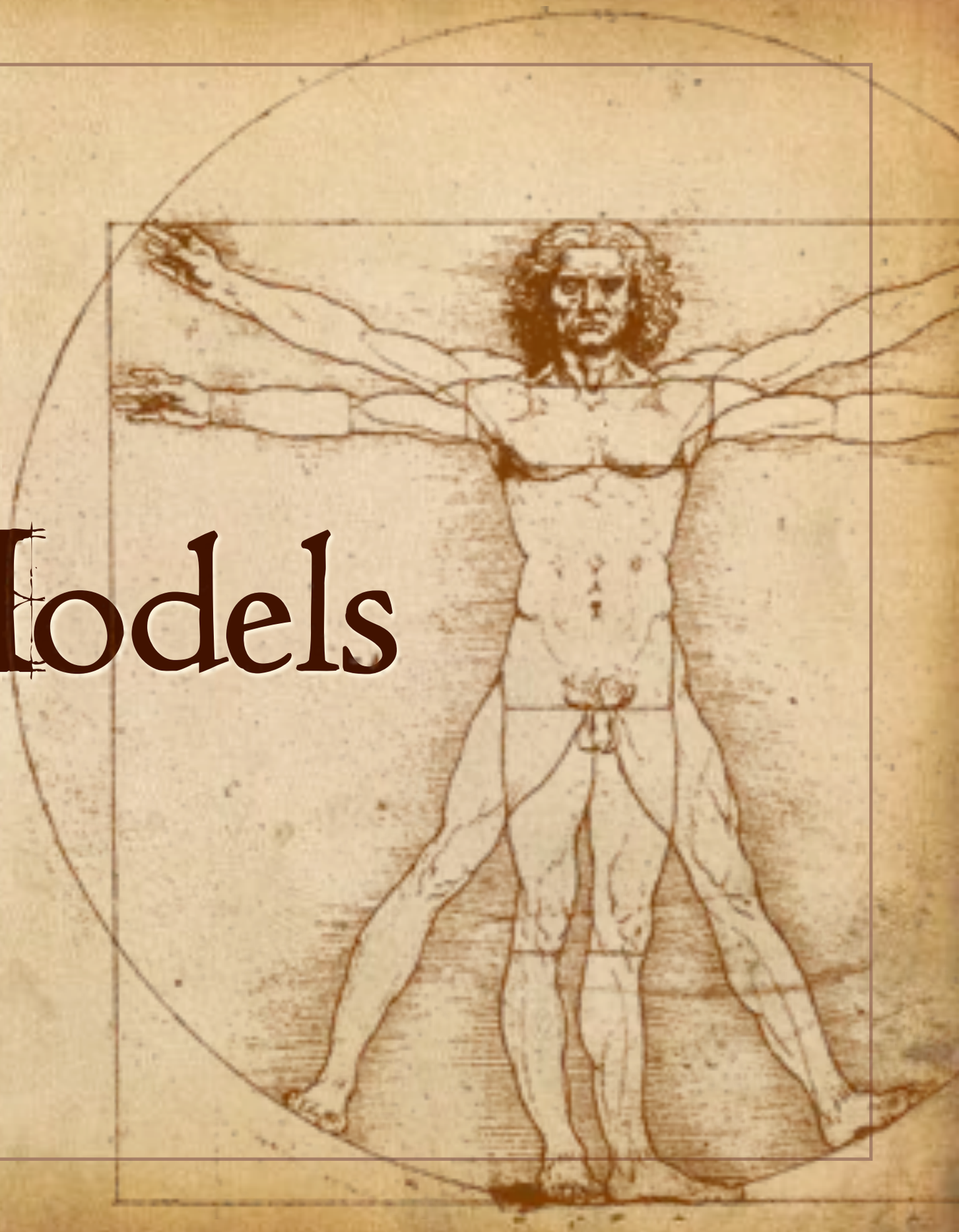
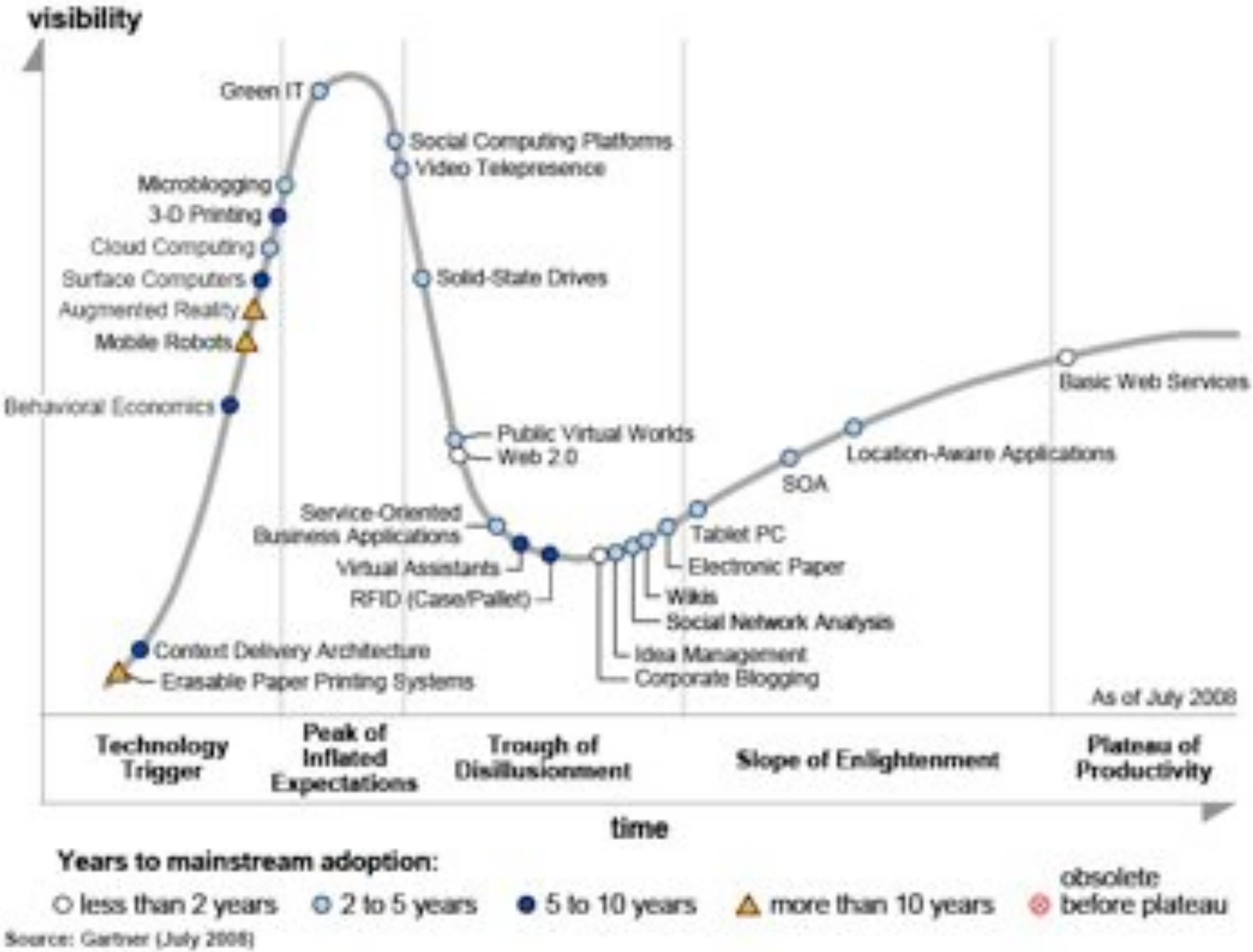
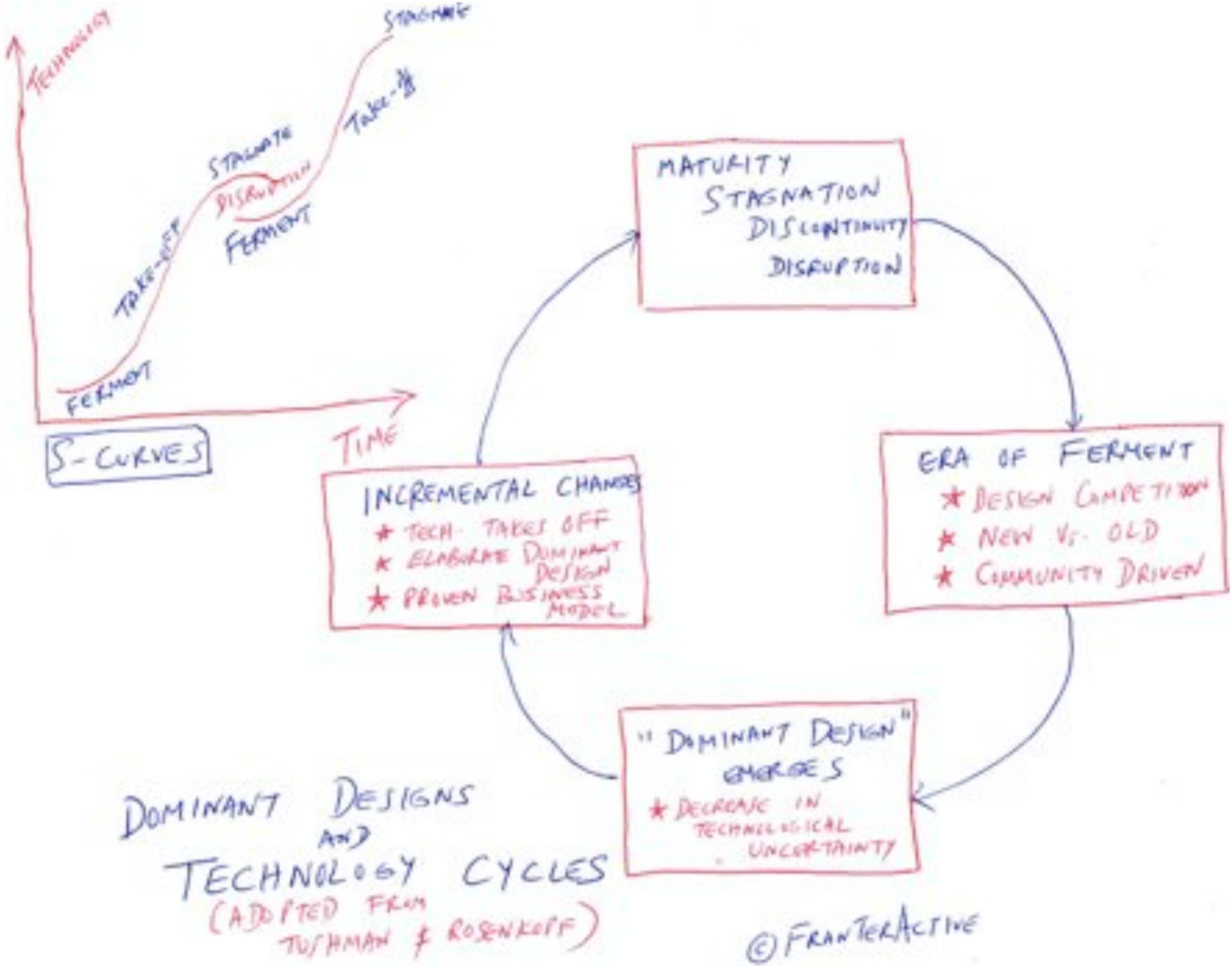


Figure 1. Hype Cycle for Emerging Technologies, 2008



Source: Gartner (July 2008)

http://static.seekingalpha.com/uploads/2008/8/18/saupload_gartner_hype_cycle1.jpg



http://www.franteractive.net/resources/FranTerActive-TechStrategy-Technology-Cycles.jpg

2.5%
Innovators
Early
Adopters
13.5%
Early Majority
34%
Late Majority
34%
Laggards
16%

How it is now...

Education is receiving increasing pressure from changing global economic circumstances and complex societal needs.

First, we as educators must establish new goals for learning. We must move from emphasizing decontextualized reading and computational skills to developing independent thinkers and learners who engage in life-long learning.

Learners bring their own needs and experiences to a learning situation.

We must incorporate those needs and experiences into learning activities to help students take ownership and responsibility for their own learning.

But...

2013

DE LOREAN

1995

Grabinger, R. Scott and Dunlap, Joanna C. (1995) Rich environments for active learning: a definition. Association for Learning Technology Journal, 3 (2). pp. 5-34. ISSN 0968-7769

http://repository.alt.ac.uk/11/1/CALT_A_00302005_O.pdf

Their solution was the REAL...

Real Environments for Active Learning

REALs: promote study and investigation within authentic contexts; encourage the growth of student responsibility, initiative, decision making, and intentional learning; cultivate collaboration among students and teachers;

...utilize dynamic, interdisciplinary, generative learning activities that promote higher-order thinking processes to help students develop rich and complex knowledge structures; and assess student progress in content and learning-to-learn within authentic contexts using realistic tasks.

Sound familiar?

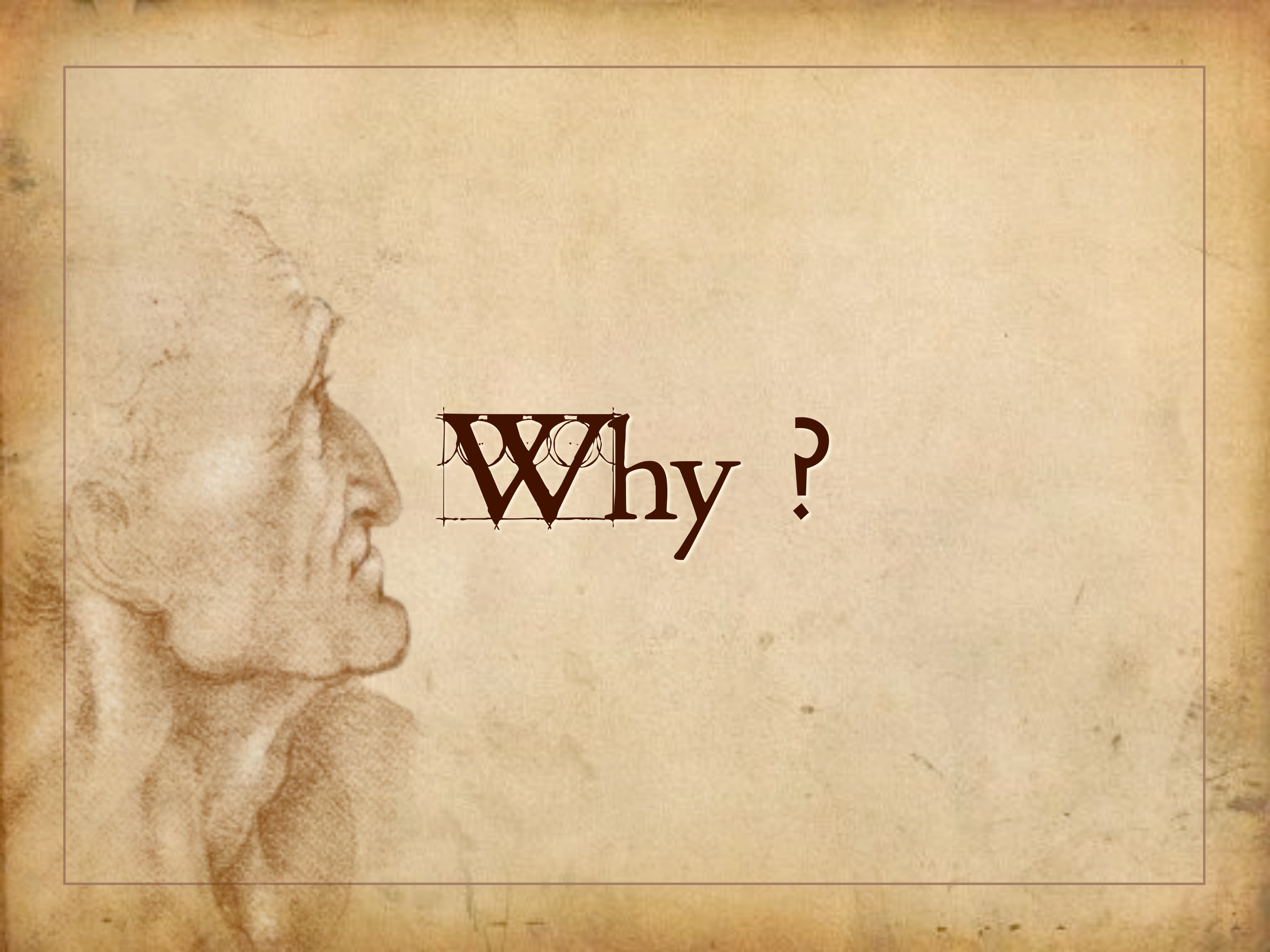
Change is

constant

What are the levers of change?

What causes change?

Technology


Why ?

Easier

Easter

Efficient

Solution

Problems?

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Potential

Context

Technology

Shiny Things

First Mobile Phone Call

June 17th

1946

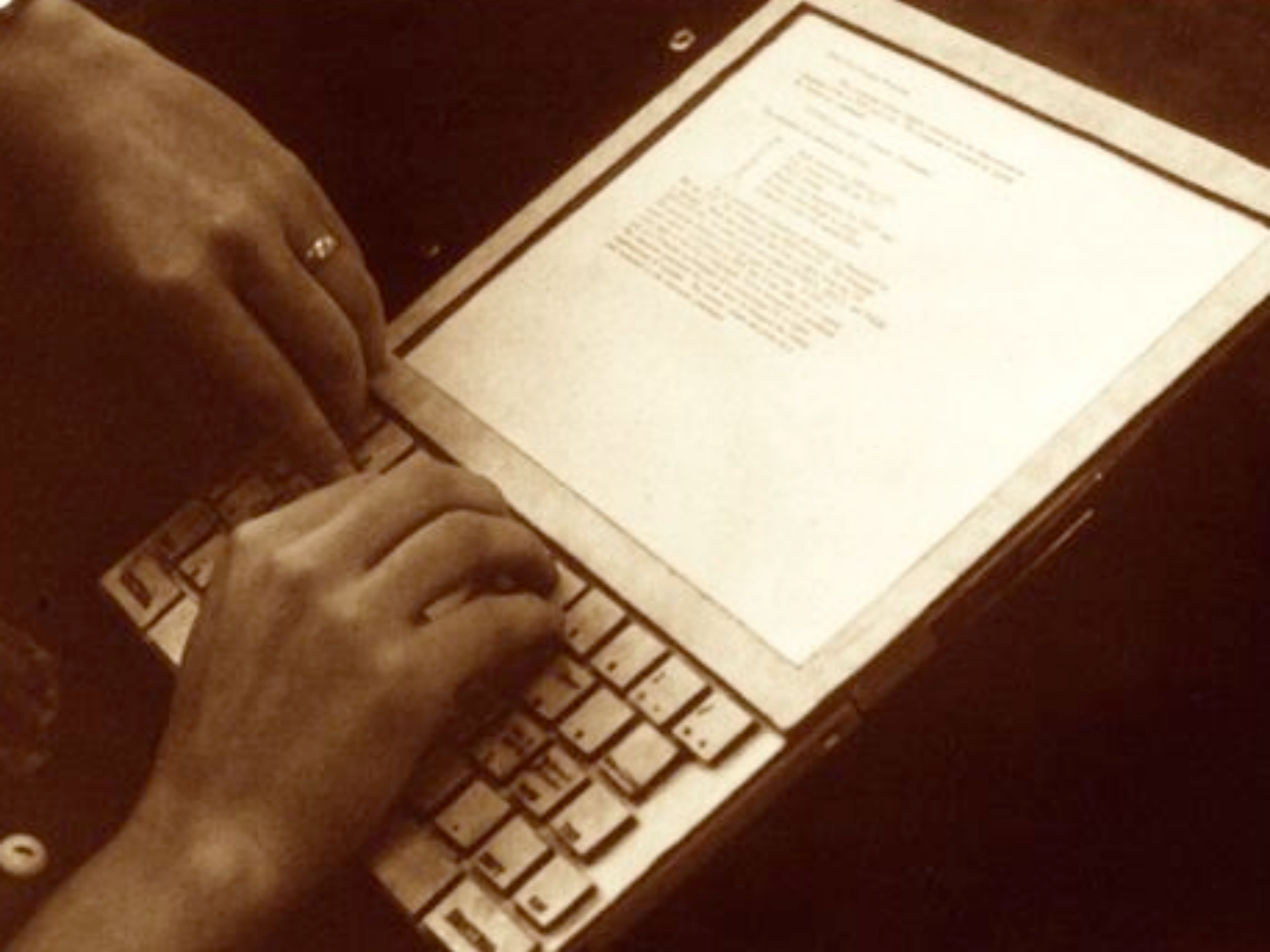
First Handheld Mobile Phone Call

April 3rd

1973

iPad

First Tablet



1972

Kindle

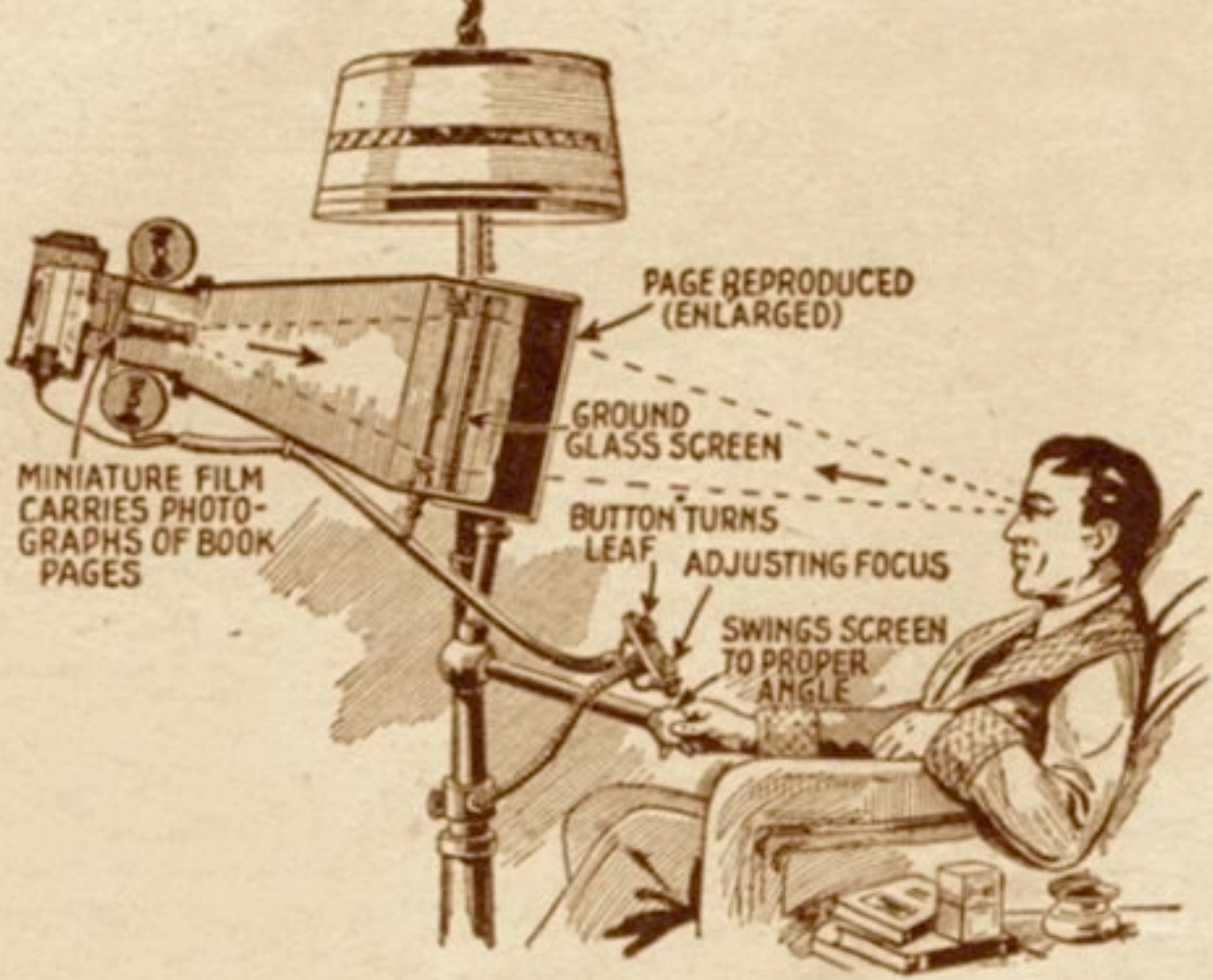
e-Books

The Plastic Age
Percy Marks
THE ALTERNATIVE

Project Gutenberg

1971

First e-Book Reader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BUTTON TURNS LEAF
ADJUSTING FOCUS
SWINGS SCREEN TO PROPER ANGLE

We don't know

what we want...

…well we think

we do!

"If I asked people what they wanted, they would have said faster horses!"

Henry Ford

Now Playing
6 of 15
Feel Good, Inc.
Gorillaz
Demon Days
3:41
iPod
Music
Photos
Extras
Settings
Shuffle Songs
Backlight

"A lot of times, people don't know what they want until you show it to them."

Steve Jobs, Apple, 1998

"We have always been shameless about stealing great ideas."

Steve Jobs, Apple, 1995

Vision

Emerging Technologies

Tablets

http://www.flickr.com/photos/mikecogh/5047039173/

4G

Internet IV

http://www.flickr.com/photos/59937401@N07/5857267004/

Gamification

Social Learning

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MOOC

Open Access

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Wearable Technologies

Done!

it's not that simple, is it?

Problems

Culture

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swimming

e-Safety

Digital Identity

TO THE PUBLIC.

The object of this placard is to inform the Public that Gen. Leigh Read has declined giving to me an apology for the insult offered me at St. Marks, on the 5th inst. That he has also refused to me that satisfaction, which as an honorable man, (refusing to apologise,) he was bound to give. I therefore pronounce him a Coward and a Scoundrel.

WILLIAM TRADEWELL.

Tallahassee, Oct. 26, 1839.

Innovation Prevention Department

Cost

Sustainability

Digital Divide

Digital Natives

Connectivity

http://www.flickr.com/photos/nrkbeta/2255968144/in/photostream/

SONY

Pace of change

Staff Development

Support

Continuing Professional Development

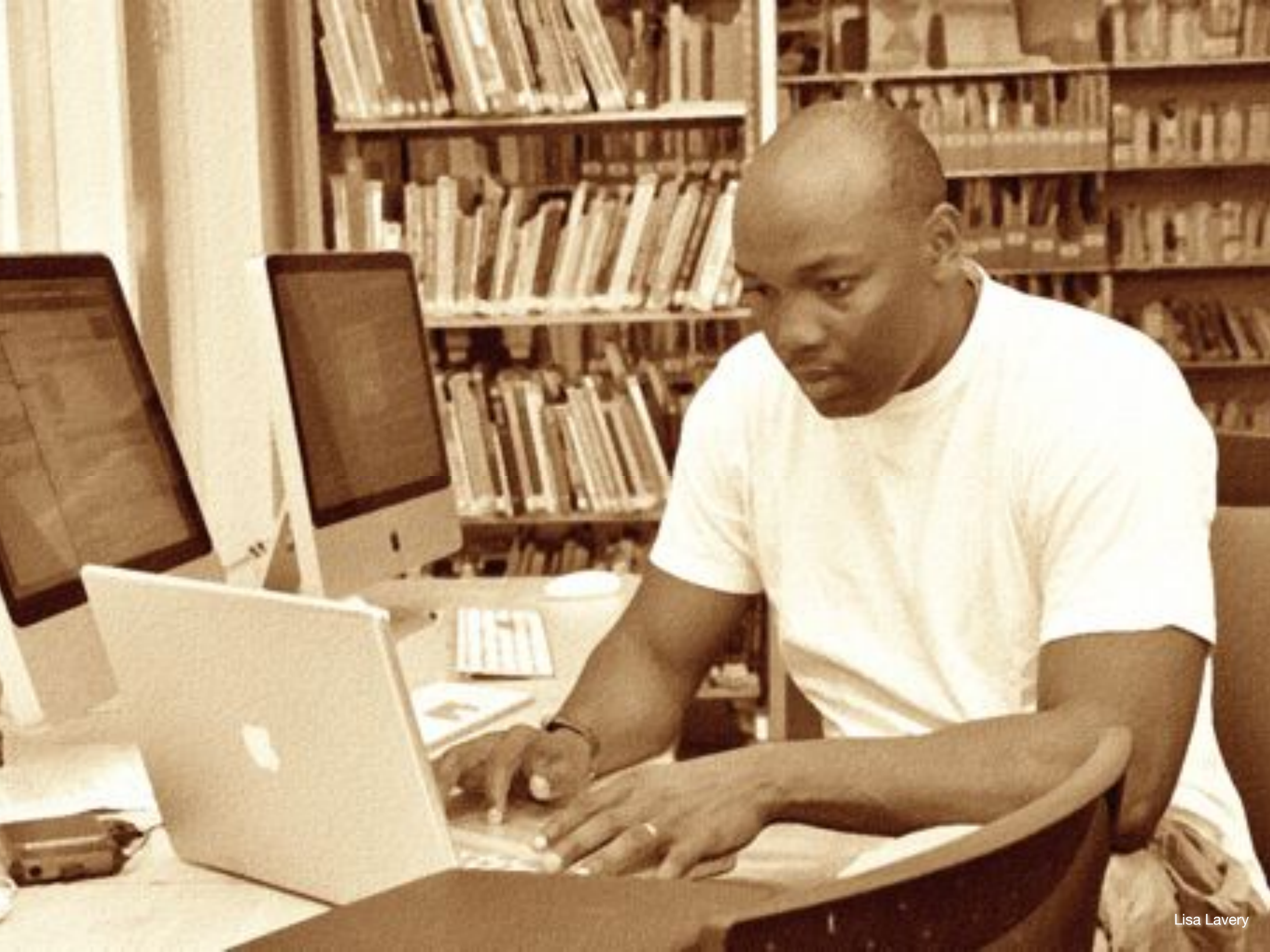
Big Problem

the really BIG problem

Time

Priorities

Why?



Lisa Lavery

WRANGLER

Learners

James Clay

ILT & Learning Resources Manager

Gloucestershire College

@jamesclay

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