Hybrid Learning and the Liberal Arts

DUE TO A SHORTAGE OF ROBOTS,

SOME OF OUR STAFF ARE HUMAN

AND THEREFORE REACT

UNPREDICTABLY WHEN

ABUSED OR UNDER PRESSURE.

Five parts

1. Intro
2. Technology
3. Open
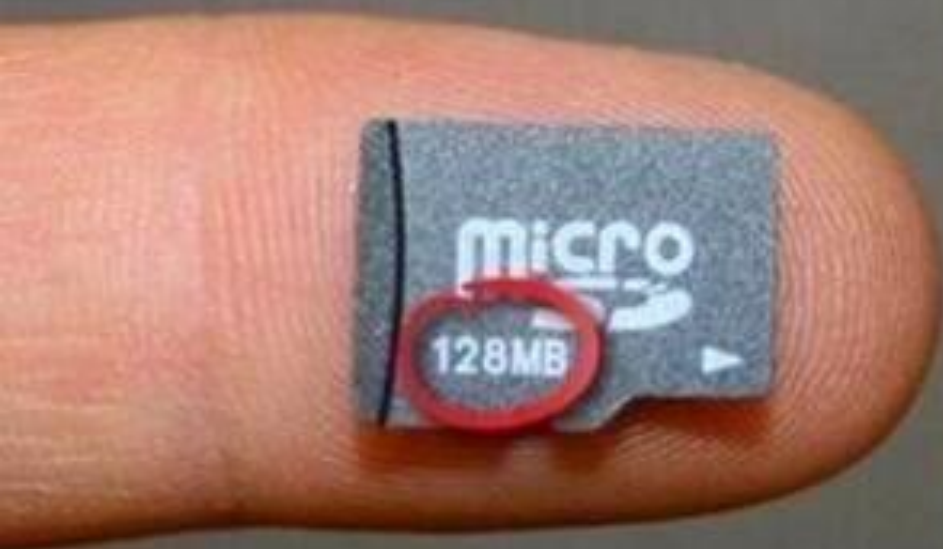4. Demography
5. Details

The arc

1. Traditional higher education

2. Online learning

3. Hybrid learning

Synthesis

- Intentional use of digital technology in the liberal arts class
- Bryn Mawr experiments

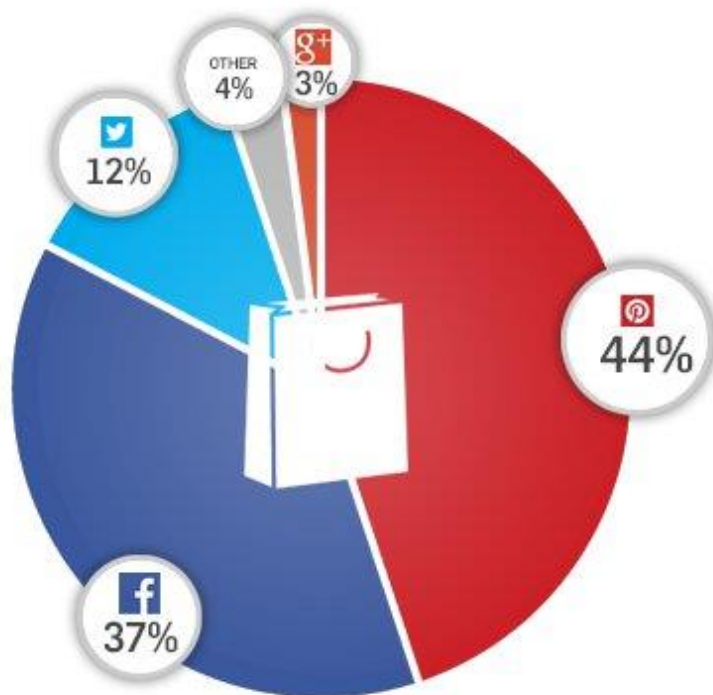Higher Education in the Digital Age

William G. Bowen

2005

2014

micro 128MB

SanDisk
128GB micro
SDXC I

Rich media

- Shift to video
- Ongoing digitization
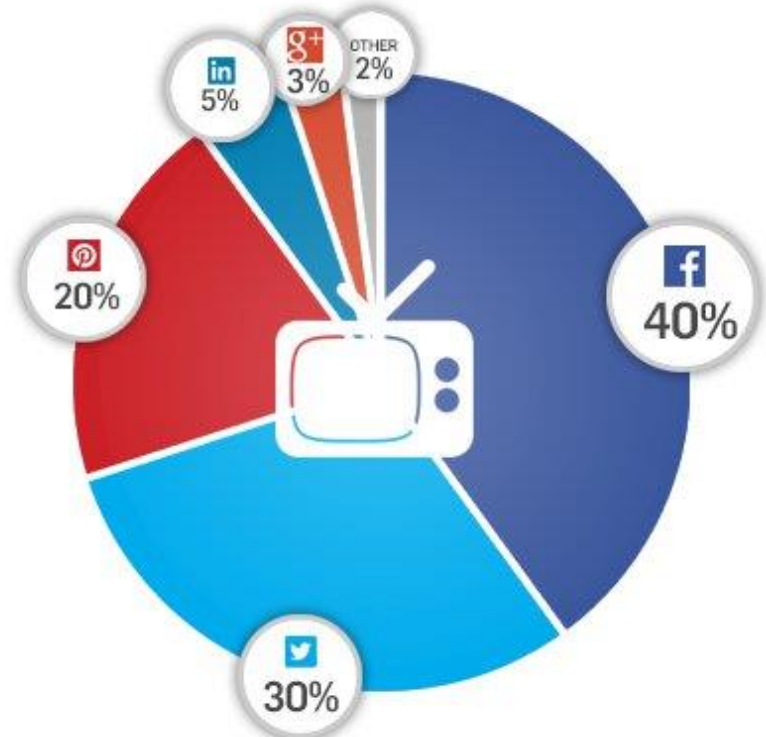
social media triumphing

ECOMMERCE

Pinterest's popularity as a sharing destination was most evident on eCommerce sites and apps, where it continued to lead all social networks in shares. Pinterest recently released APIs that will allow businesses to showcase their most popular pins on their own websites and mobile apps, a new development that could help Pinterest increase its lead in ecommerce sharing in particular.

MEDIA/PUBLISHING

While Facebook maintained its lead as the top social network for sharing on Media and Publishing web properties, its lead shrank considerably in Q3, while Twitter and Pinterest continued making significant strides.

My Dad died from cancer at the age of 44. We were still paying off his law school loans.
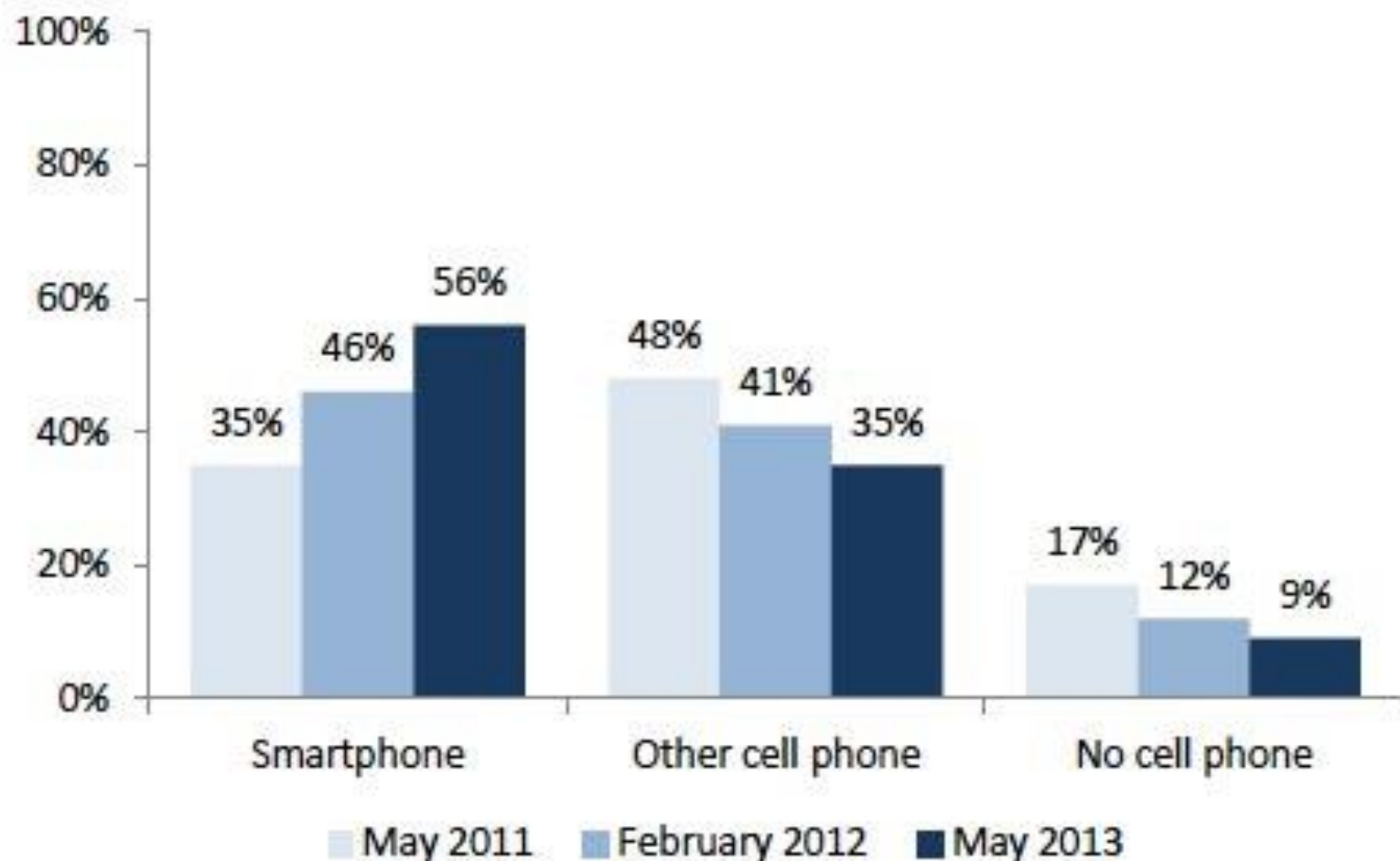
We are the 99%

occupyWallst.org

OccupyTogether.org

Changes in smartphone ownership, 2011–2013
% of all U.S. adults who own...

Bar chart showing percentage of all U.S. adults by phone ownership category:

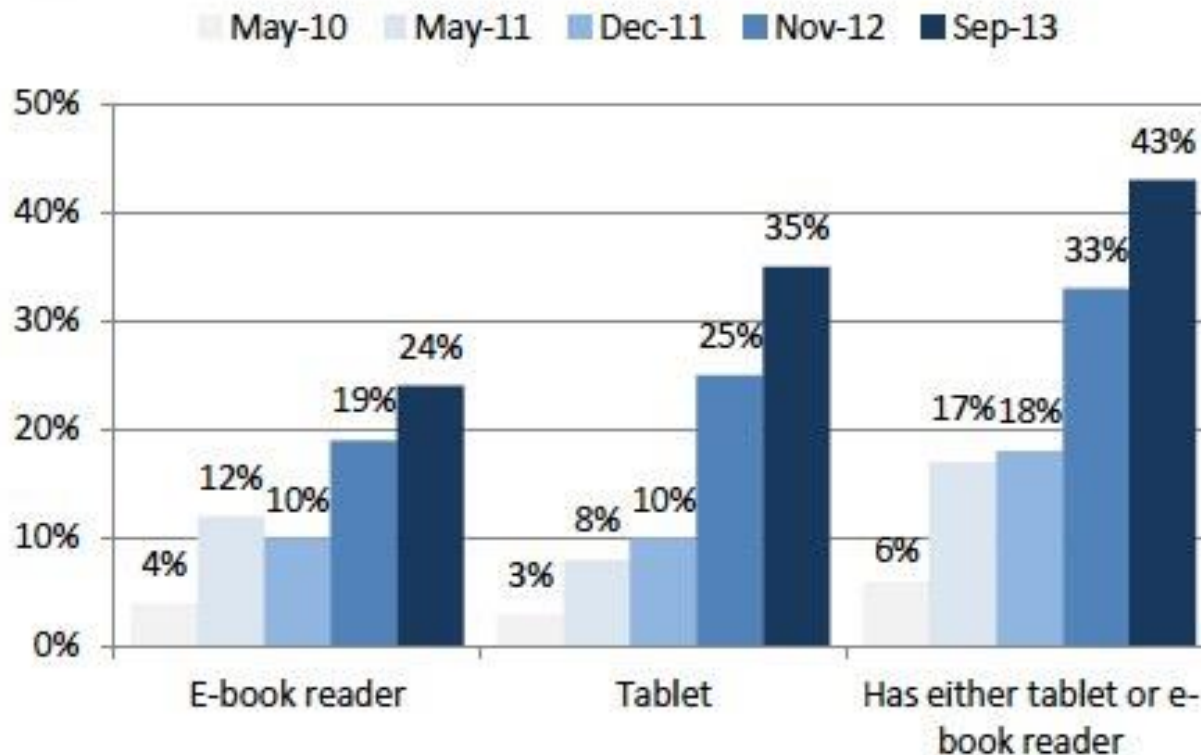| Category	May 2011	February 2012	May 2013
Smartphone	35%	46%	56%
Other cell phone	48%	41%	35%
No cell phone	17%	12%	9%

"PCs are going to be like trucks," Jobs said. "They are still going to be around." However, he said, only "one out of x people will need them."
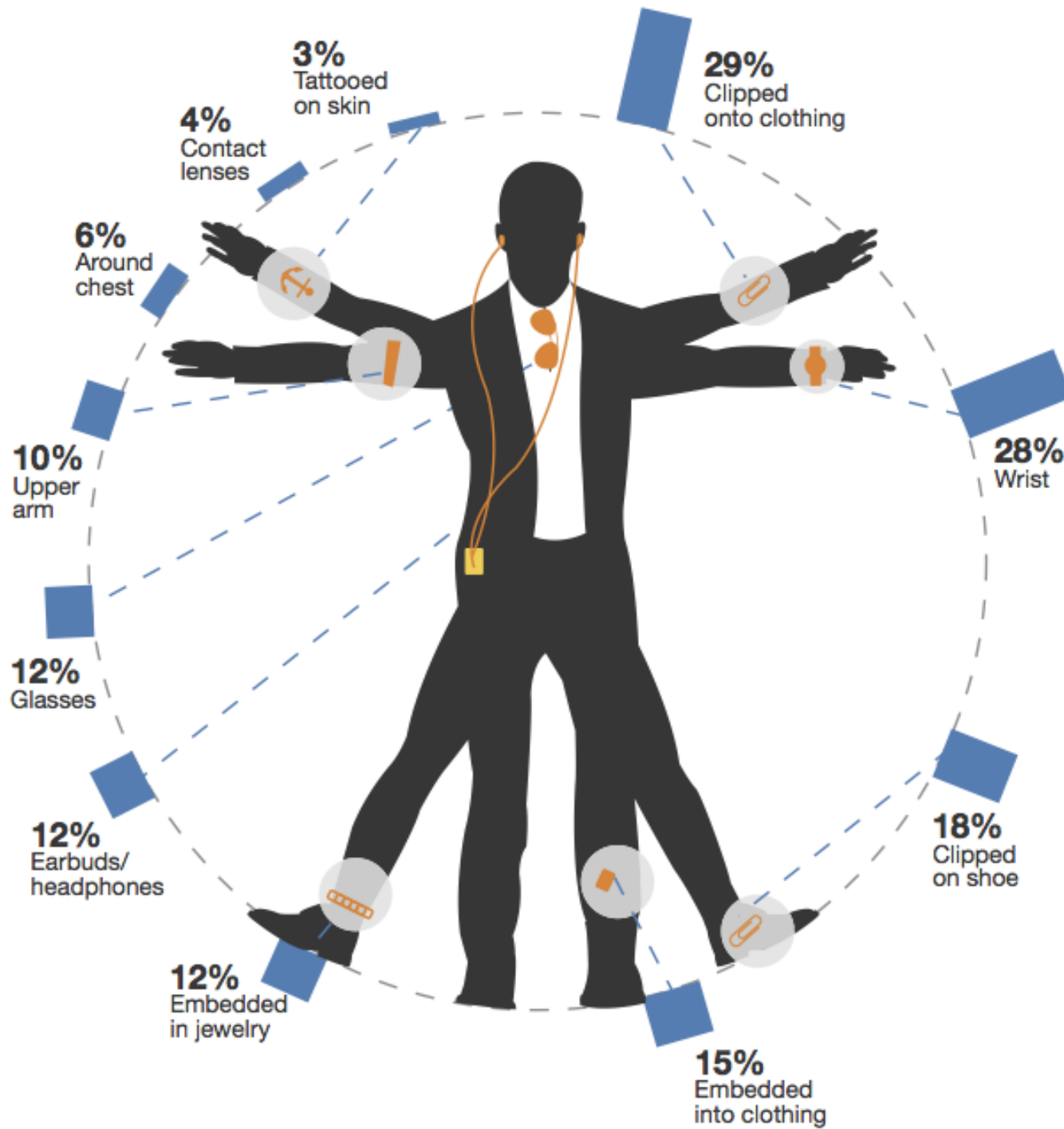
Design for mobile *first *

Tablet and e-reader ownership

% of Americans ages 16+ who own e-book readers, tablet computers, and at least one of those devices

Legend: May-10 · May-11 · Dec-11 · Nov-12 · Sep-13

E-book reader: 4%, 12%, 10%, 19%, 24%
Tablet: 3%, 8%, 10%, 25%, 35%
Has either tablet or e-book reader: 6%, 17%, 18%, 33%, 43%

Source: Most recent findings come from Pew Research Center Internet Project Library User survey. July 18-September 20, 2013. N= 6,224 Americans ages 16 and older. Interviews were conducted in English and Spanish and on landline and cell phones. Margin of error is +/- 1.4 percentage points for the total sample.

Note: The 2010 and 2011 surveys were conducted among those ages 18 and older.

3% Tattooed on skin

4% Contact lenses

29% Clipped onto clothing

6% Around chest

10% Upper arm

28% Wrist

12% Glasses

12% Earbuds/ headphones

18% Clipped on shoe

12% Embedded in jewelry

15% Embedded into clothing

The growth of open

"Open education is about sharing, reducing barriers and increasing access in education. It includes free and open access to platforms, tools and resources in education (such as learning materials, course materials, videos of lectures, assessment tools, research, study groups, textbooks, etc.)…"

"…Open education seeks to create a world in which the desire to learn is fully met by the opportunity to do so, where everyone, everywhere is able to access affordable, educationally and culturally appropriate opportunities to gain whatever knowledge or training they desire."

"About Open Education," Open Education Week, February 2012, http://www.openeducationweek.org/about-open-education/.

The Moon and Sixpence (version 2)

by W. Somerset Maugham (1874 – 1965)

> The Moon and Sixpence is a 1919 short novel by William Somerset Maugham based on the life of the painter Paul Gauguin. The story is told in episodic form by the first-person narrator as a series of glimpses into the mind and soul of the central character, Charles Strickland, a middle aged English stock broker who abandons his wife and children abruptly to pursue his desire to become an artist.

- Gutenberg e-text
- Wikipedia – W. Somerset Maugham
- Wikipedia – The Moon and Sixpence
- LibriVox's *The Moon and Sixpence* Internet Archive page
- Zip file of the entire book 212 MB
- RSS feed · Subscribe in iTunes

Total running time: 7:42:10
In addition to the readers, this audio book was produced by:
Book Coordinator: **Barry Eads**
Dedicated Proof-Listener: **Joy Easton**
Meta-Coordinator/Cataloging: **James Christopher**

- LibriVox Forum Page

mp3 and ogg files

- *01 – Chapter 1 –* 00:15:27
  [mp3@64kbps - 7.4MB]
  [mp3@128kbps - 14.8MB]
  [ogg vorbis - 11MB]
  Read by: Chip

- *02 – Chapters 2 and 3 –* 00:14:07
  [mp3@64kbps - 6.7MB]
  [mp3@128kbps - 13.5MB]

LibriVox Feeds

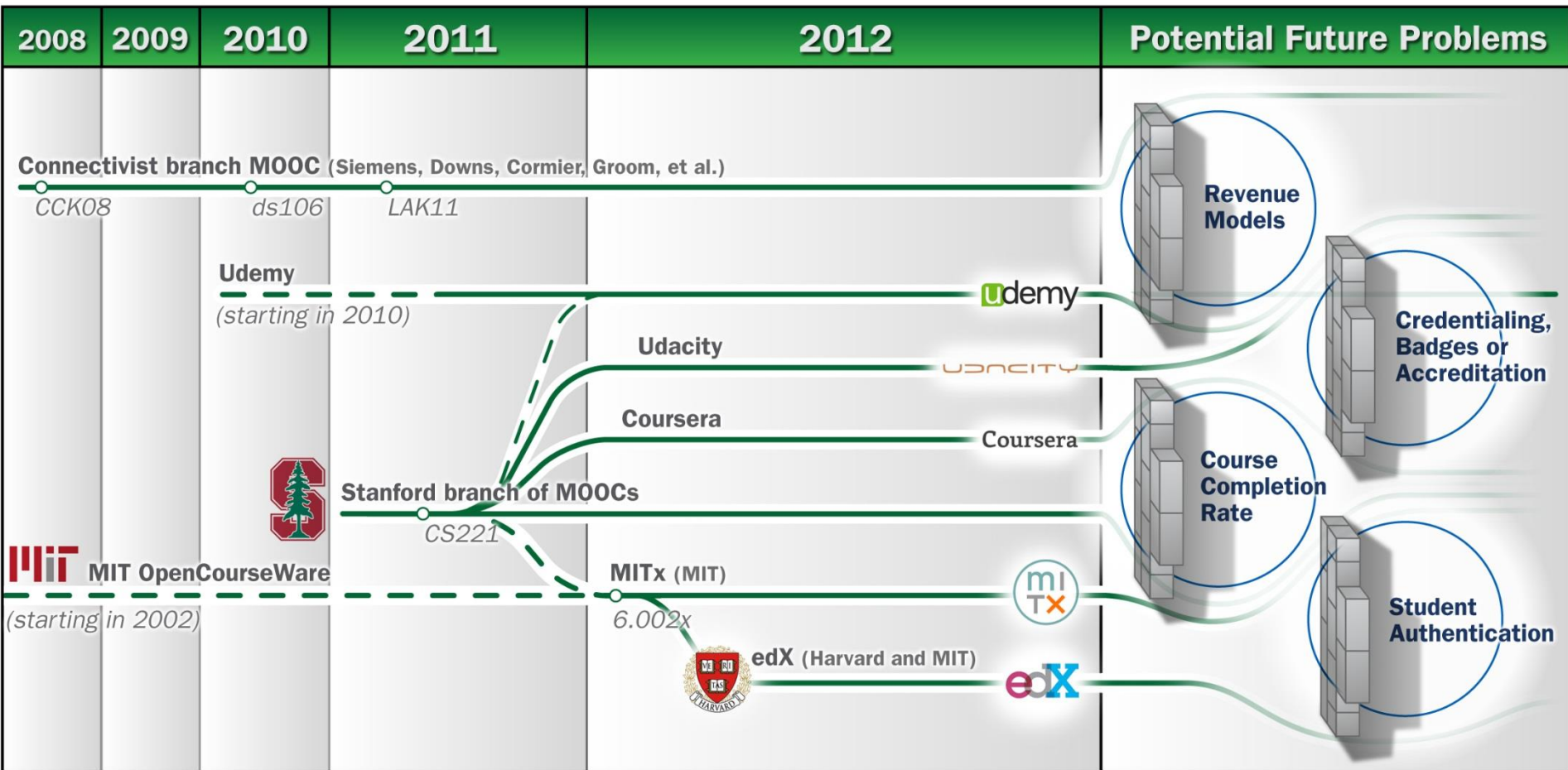## External Links

http://librivox.org/moon-and-sixpence-by-w-somerset-maugham/

Open...

- educational resources (OER)
- Courseware (OCW)
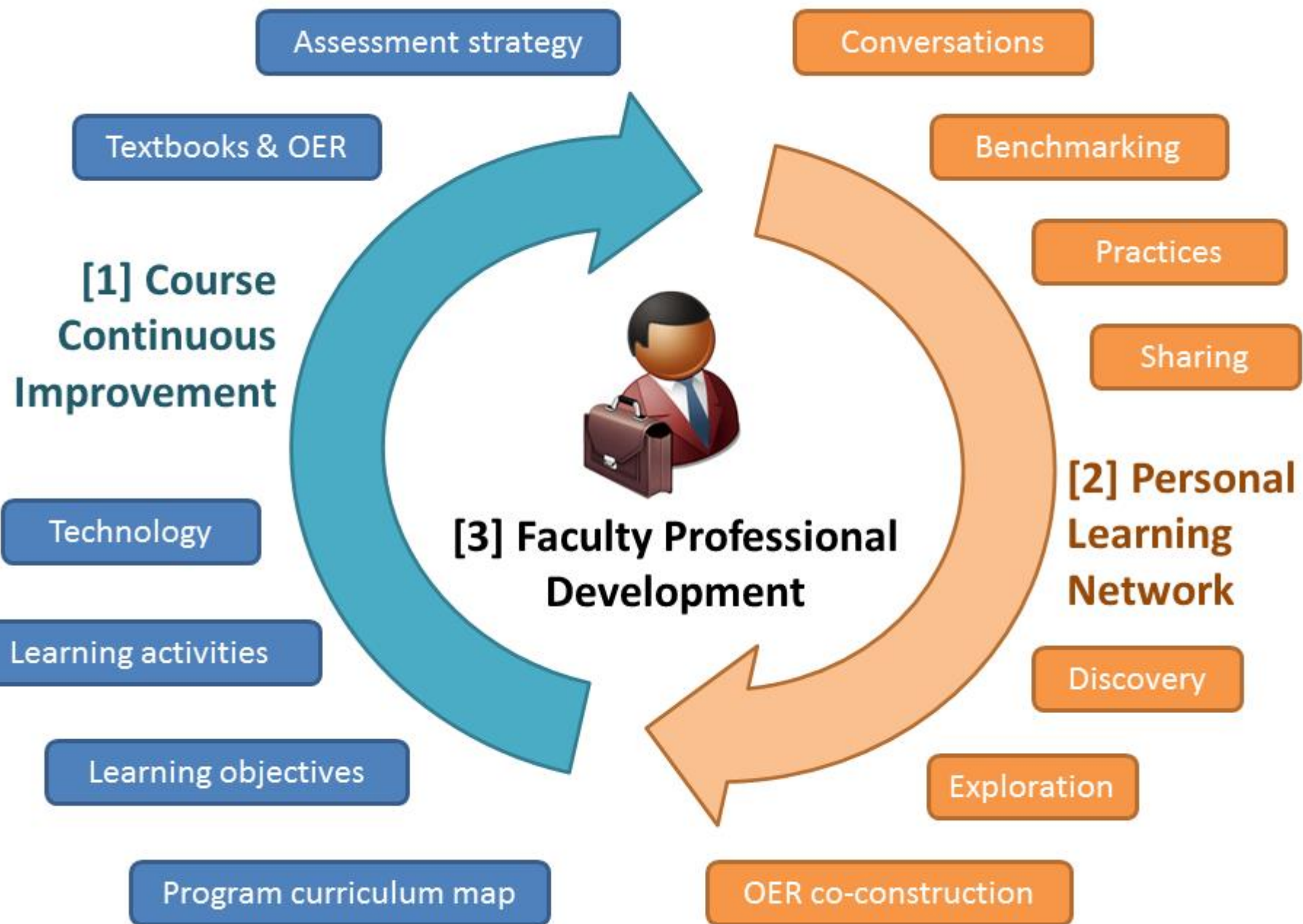- Courses (MOOC)
- teaching

MOOCs

Open...

- learning tools (Moodle)
- Assessment (badges)
- access scholarly communication
- learners
- universities

Why open?

- Cost and flexibility

- Improving content, learning

- Outreach and visibility

- Participate in innovation

[1] Course Continuous Improvement

- Assessment strategy
- Textbooks & OER
- Technology
- Learning activities
- Learning objectives
- Program curriculum map

[3] Faculty Professional Development

[2] Personal Learning Network

- Conversations
- Benchmarking
- Practices
- Sharing
- Discovery
- Exploration
- OER co-construction

Open and liberal education

- Early adopter phase
- Ex: OA - Trinity, Oberlin, Bucknell, Hope
- Why not mainstream?
  - Awareness
  - Less cost pressure
  - Wrong scale

Demographic contexts

- distance learning grows
- rise of the net.generation

Opening the gap into college, 2005

You are the first class of the 'Net Generation' or if you prefer – The Networked Generation.

You breathe bits of information as easily as my generation breathes air.

As members of the Net Generation, you are entering a world that needs you...."

"... But be aware that much of this world will find your ways of working, learning and socializing quite bizarre. You are digital natives. We – the grey beards, the baby boomers and the gen X-ers – are digital immigrants and our practices will need to evolve rapidly to keep up with yours."

John Seely-Brown

University of Michigan commencement, 2005

(http://www.johnseelybrown.com/UM05.pdf)

Corporations adopt the language

"[R]esearchers Ian Jukes and Anita Dosaj refer to this disconnect as the result of poor communication between "digital natives," today's students and "digital immigrants," many adults. These parents and educators, the digital immigrants, speak DSL, digital as a second language."

Apple web page

(http://www.apple.com/au/education/digitalkids/disconnect/landscape.html)

"In the case of the "digital generation," the class, ethnic, and geographic biases could not be more obvious...
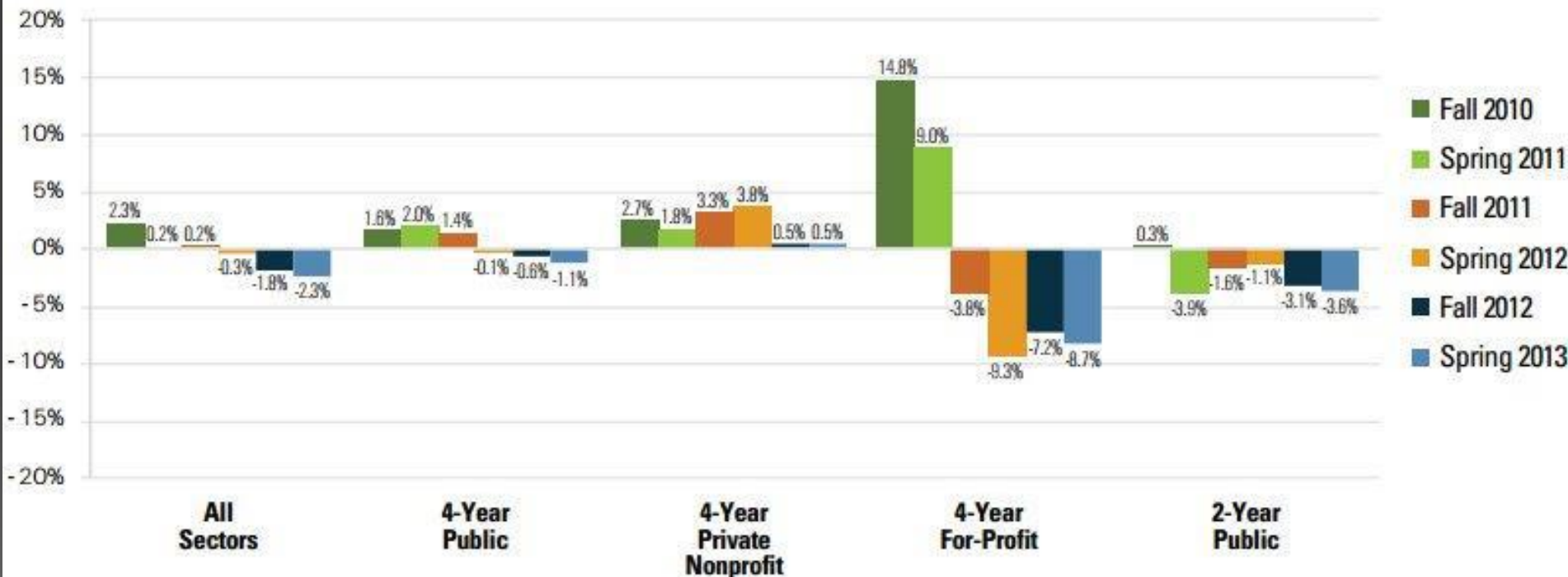
[E]ven at elite universities, many are not rich enough to be all that digital. Like the rest of us, they will use a tool if the tool works for them and they can afford it. If not, then not."

Siva Vaidhyanathan,
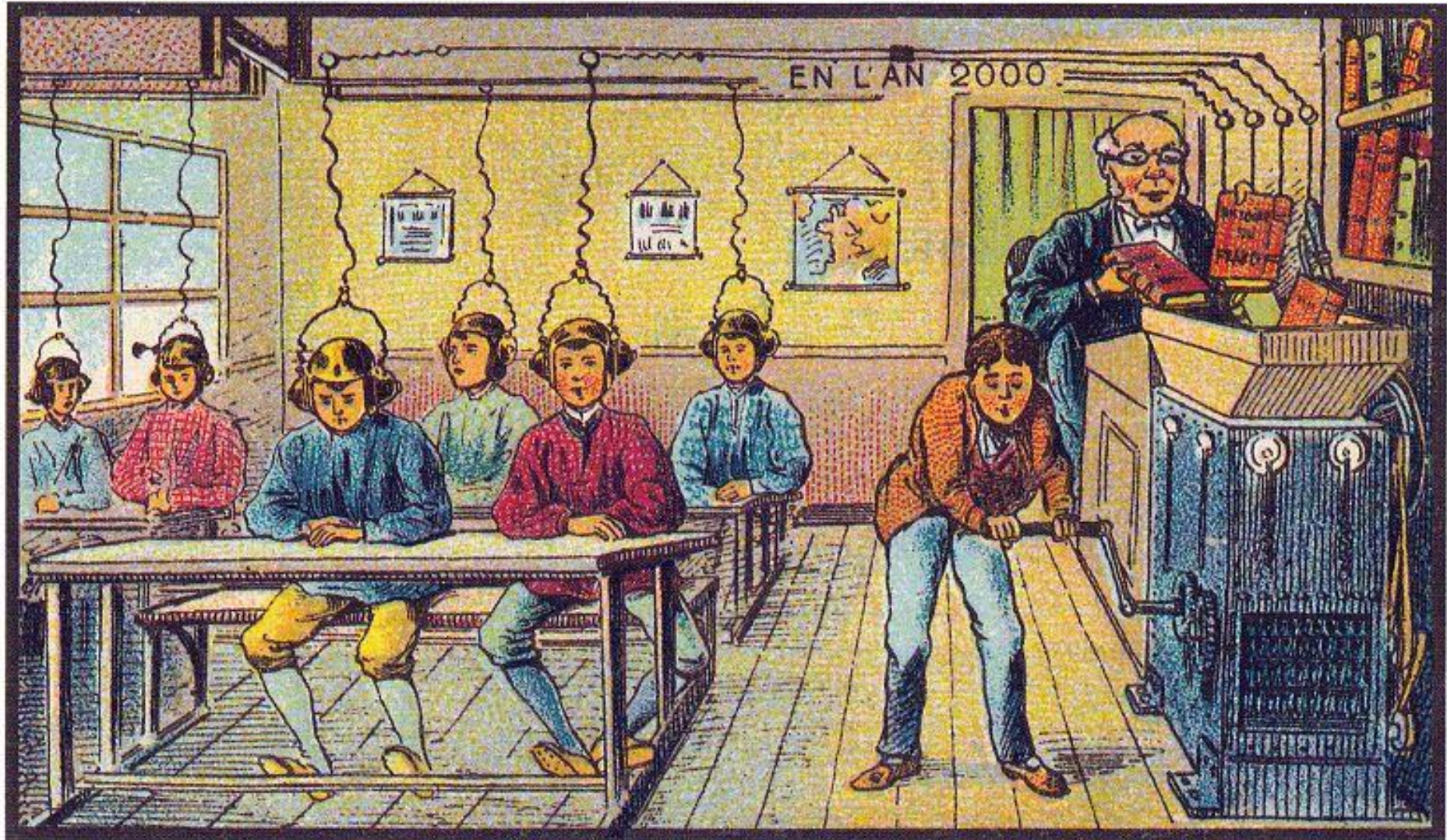
University of Virginia, December 2007

(http://www.googlizationofeverything.com/2007/12/the_problem_with_digital_nativ.php)

Enrollment decline?

Figure 1: Percent Change from Previous Year, Enrollment by Sector (Title IV, Degree-Granting Institutions)

Hybrid details

At School

Blended learning in practice

- Migrate presentations out of class
  - Video, audio, other multimedia
  - Produce or use
  - Turn video into text
  - Audio sped up

Blended learning in practice

- Increase in-class activities
  - Discussion
  - Hands-on work
  - Small group work
- Re-integrate

Advantages

- Increased classroom engagement
- Better use of digital tools
- Best of both worlds

Advantages

- Possible democratic goods via open

- Quick research turnaround contributes to class

- Quick assessment aids learning

Challenges

- Disaggregation of instructor and content
  - Politics + labor
  - " + content
  - Video as prep for f2f
  - Wanting to add content on the fly
- Tech challenges
  - Quality – no peer review
  - Video privileged

Challenges

- Reification, stasis of content
- Already being done in the humanities
- Change student expectation
- Sustainability of open

What next?

- Increasing, unremarked growth
- Possible backlash
- Decline of term
- Automation

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