

Year of the Pandemic

COVID-19 and the Future of Higher Education

Presentation to Northern College

Aug 26, 2020

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The Economist

US-China relations in crisis

The dash to cash

Ethiopia's hidden war

How virus-testing works

MARCH 2020 - 27th 2020



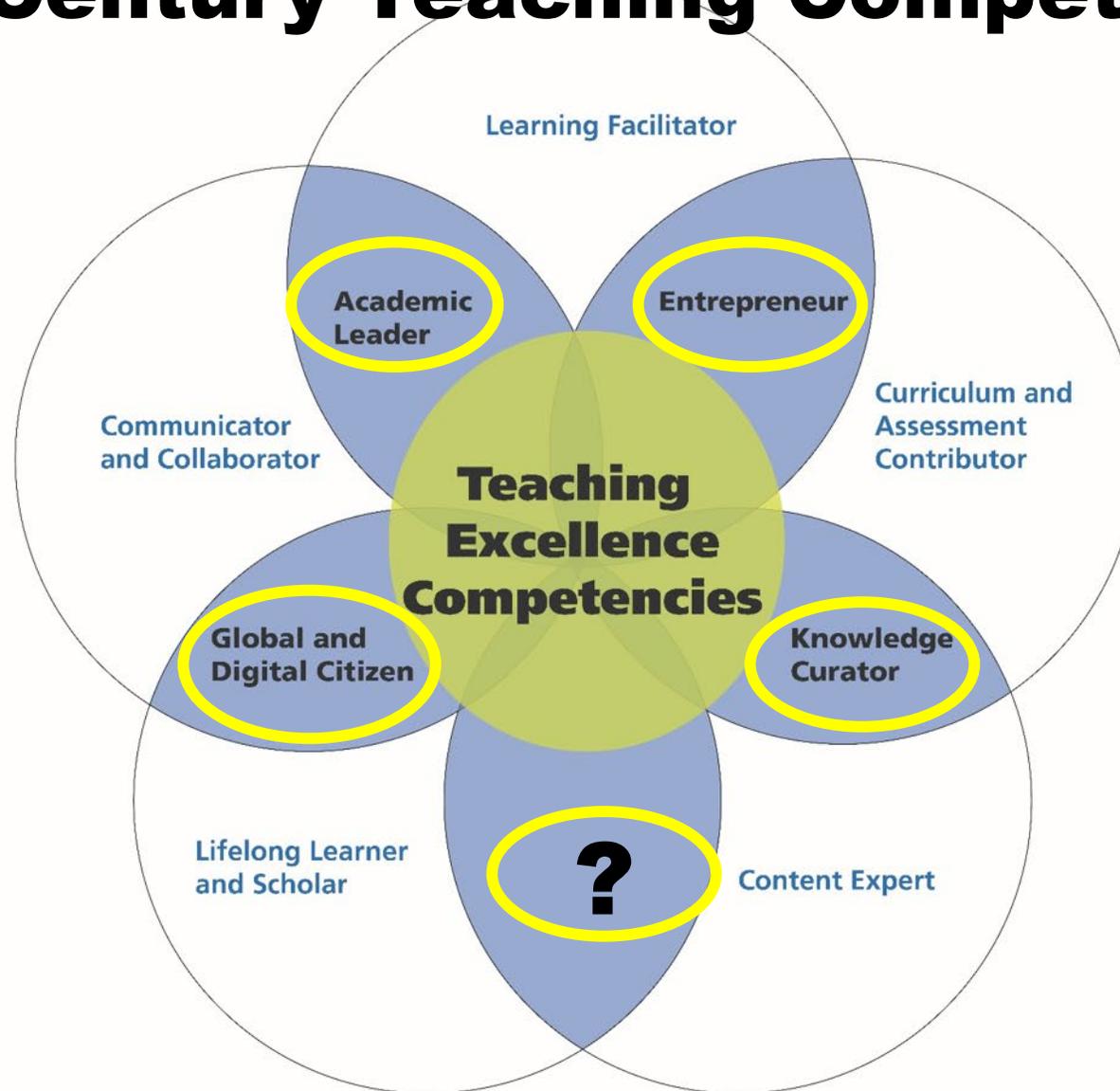
1,500,000,000

90%

“COVID-19 has struck our education system like a lightning bolt and shaken it to its core.”

“While traditional institutions once viewed online education as a threat, it has come to their rescue.”

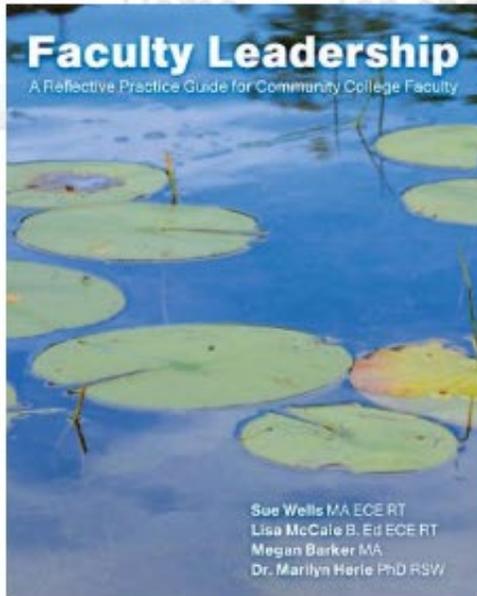
Centennial's Teaching Excellence Framework: 21st Century Teaching Competencies



es ▾

arts

New arrivals



Faculty Leadership: A Reflective Practice Guide for Community College Faculty

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“We ought to think that **we are one of the leaves of a tree, and the tree is all of humanity.**

We cannot live without others, without the tree.”

Pablo Casals, Spanish cellist and conductor

UNESCO (2015). Rethinking Education: Towards a global common good?

<https://unesdoc.unesco.org/ark:/48223/pf0000232555>

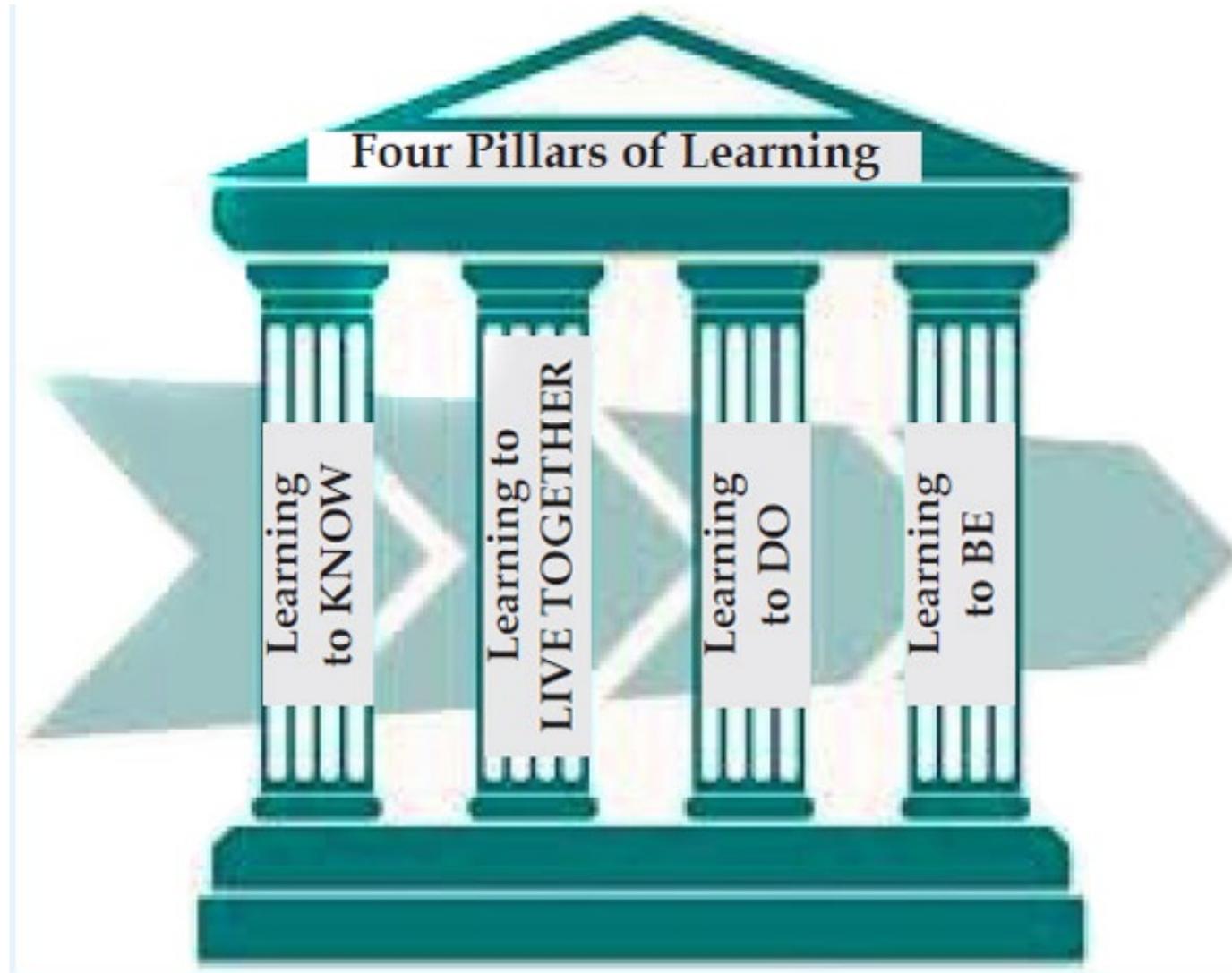


“In revisiting the purpose of education, our vision is guided by a central concern for **sustainable human and social development. Sustainability is understood as the responsible action of individuals and societies towards a better future for all, locally and globally – one in which **social justice and environmental stewardship guide socioeconomic development**.”**

UNESCO (2015). Rethinking Education: Towards a global common good?

<https://unesdoc.unesco.org/ark:/48223/pf0000232555>

UNESCO: Four Pillars of Learning





The Need to Indigenize

Exclusion and misrepresentation of Indigenous Peoples

Academic curricula have primarily been developed in ways that privilege the dominant, Euro-Western culture through the content, approaches to teaching and learning, and values about knowledge. The experiences, worldviews, and histories of Indigenous Peoples have been excluded in education systems, because they were seen as less valuable or relevant. Perceptions of Indigenous Peoples were often misrepresentative and perpetuated stereotypes. This exclusion and misrepresentation was one of the most damaging impacts of colonialism and one of

BLACK STUDENTS' **BODIES** AND **MINDS** ARE UNDER ATTACK. WE'RE FIGHTING BACK.

TEACHING **FOR** BLACK LIVES

A NEW BOOK FROM **RETHINKING SCHOOLS**

HOME

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Black Students' Lives Matter

Building the school-to-justice pipeline

By the Editors of Rethinking Schools

We're at a tipping point. The killings of Trayvon Martin, Jordan Davis, Mike Brown, Tamir Rice, Renisha McBride — and far too many other African Americans — have put to rest the myth of a “post-racial” America. In death, these Black youth — shot down with impunity because of the color of their skin — have provided a tragically thorough education about police terror and institutional racism, and ignited the Black Lives Matter movement.

The hashtag #BlackLivesMatter was originally created by queer Black women ac-

<https://www.teachingforblacklives.org/>

“[COVID-19] has underscored how indispensable it is for our populations to be **digitally literate to function and progress in a world in which **social distancing, greater digitalization of services and more digitally-centered communications** may increasingly become the norm.”**

“More fundamentally, COVID-19 is causing us to challenge deep-rooted notions of when, where, and how we deliver education, of the role of colleges and universities, the importance of lifelong learning, and the distinction we draw between traditional and non-traditional learners.”



AMERICAS

Coronavirus: The Collapse of Higher Education—Or its Revolution?

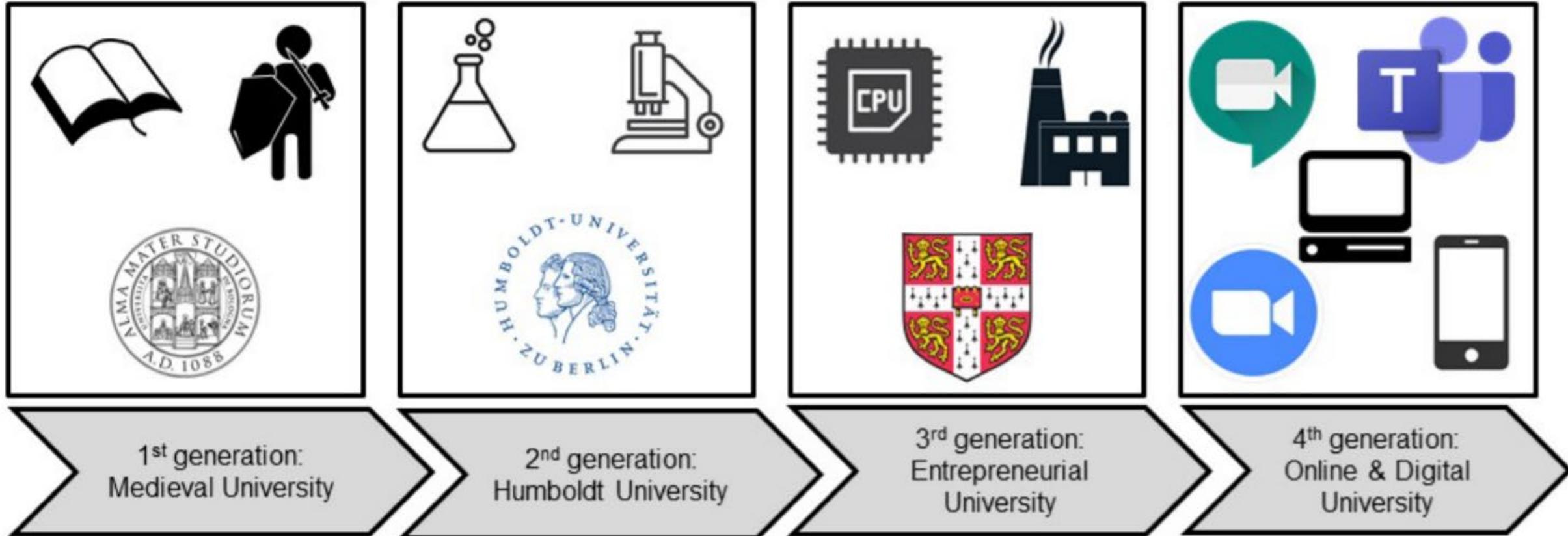


Published 2 weeks ago on May 21, 2020

By Alon Sainju



Evolution of Academia and Higher Education



Strielkowski, W. (2020). https://www.researchgate.net/publication/340684703_COVID-19_Pandemic_and_the_Digital_Revolution_in_Academia_and_Higher_Education

The definition of “student” is expanding as all kinds of learners seek out the skills of tomorrow



By 2030, there will be an estimated **increase of nearly 120 million students** participating in higher education worldwide



Student populations are **increasingly diverse**—25% are single parents, 20% are over age 25, and 50% are financially independent



Supporting **learners of all capabilities** requires campus-wide resources like career development and counseling offices to be accessible for all



4-year degrees are being replaced by **lifelong learning** and the “50-year degree” to enable reskilling as careers evolve

Today's unprecedented pace of innovation is reshaping the needs of the workforce and education



Cloud-related technology fields will contribute to **65K new IT jobs** by 2024



Only 33% of the demand for employees with technical skills is currently being met



In the next decade, **70% of jobs** will require some degree of technical skills



65% of grade schoolers today will perform jobs that have yet to be invented



Online Gaming: The Rise of a Multi-Billion Dollar Industry

HOME

MARKETS

TECHNOLOGY

MONEY

HEALTHCARE

ENERGY

MINING

GREEN

POLITICS

FEATURED COMPANIES

CHANNELS

Online Games Global Market

The industry's unprecedented growth now challenges traditional forms of entertainment.

2019
\$152B

Box Office Global Revenue

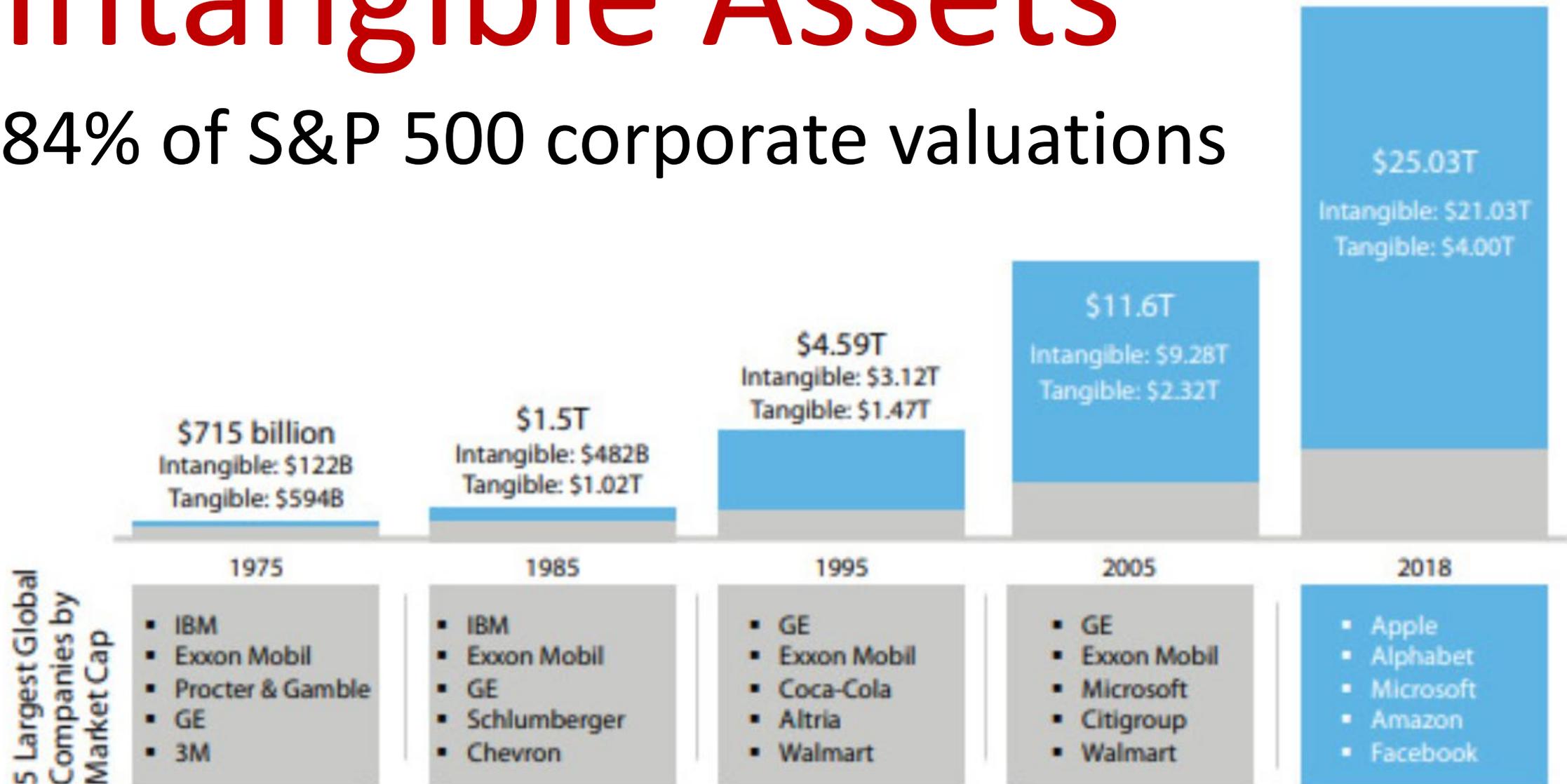
2019
\$43B

Recorded Music Global Revenue

2018
\$19B

Intangible Assets

84% of S&P 500 corporate valuations



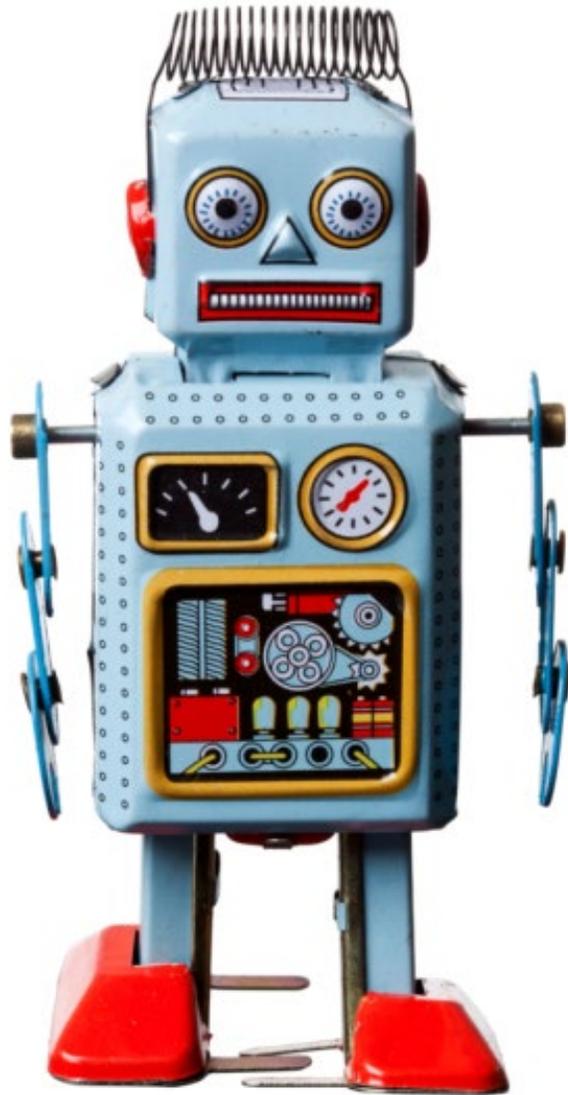


By 2022, an
estimated 60% of
global GDP will be
digitized

(World Economic Forum)



“If you went to bed last night as an industrial company, you’re going to wake up this morning as a software and analytics company.”
- GE chairman Jeff Immelt, 2014



“in a roboticized economy, colleges will have to pivot to building students’ capacity for coming up with original ideas”

WEF Top Skills for Workers in 2020

emotional intelligence
communication
negotiation

**critical thinking &
problem-solving**

creativity

citizenship
service orientation

resilience
character

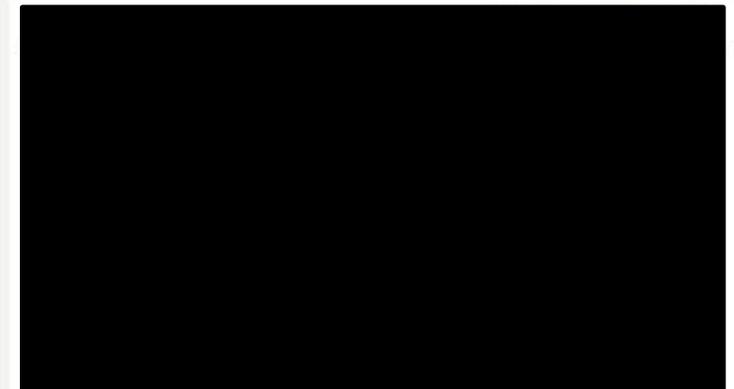
collaboration
ability to work in teams

The basic fact is technology
eliminates **jobs**,
not **work**.

*Report of the National Commission on
Technology, Automation and Economic
Progress, 1966*

The Paleofuturist

<http://www.bbc.com/future/columns/paleofuture>





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A 19th-Century Vision of the Year 2000



<https://publicdomainreview.org/collection/a-19th-century-vision-of-the-year-2000>

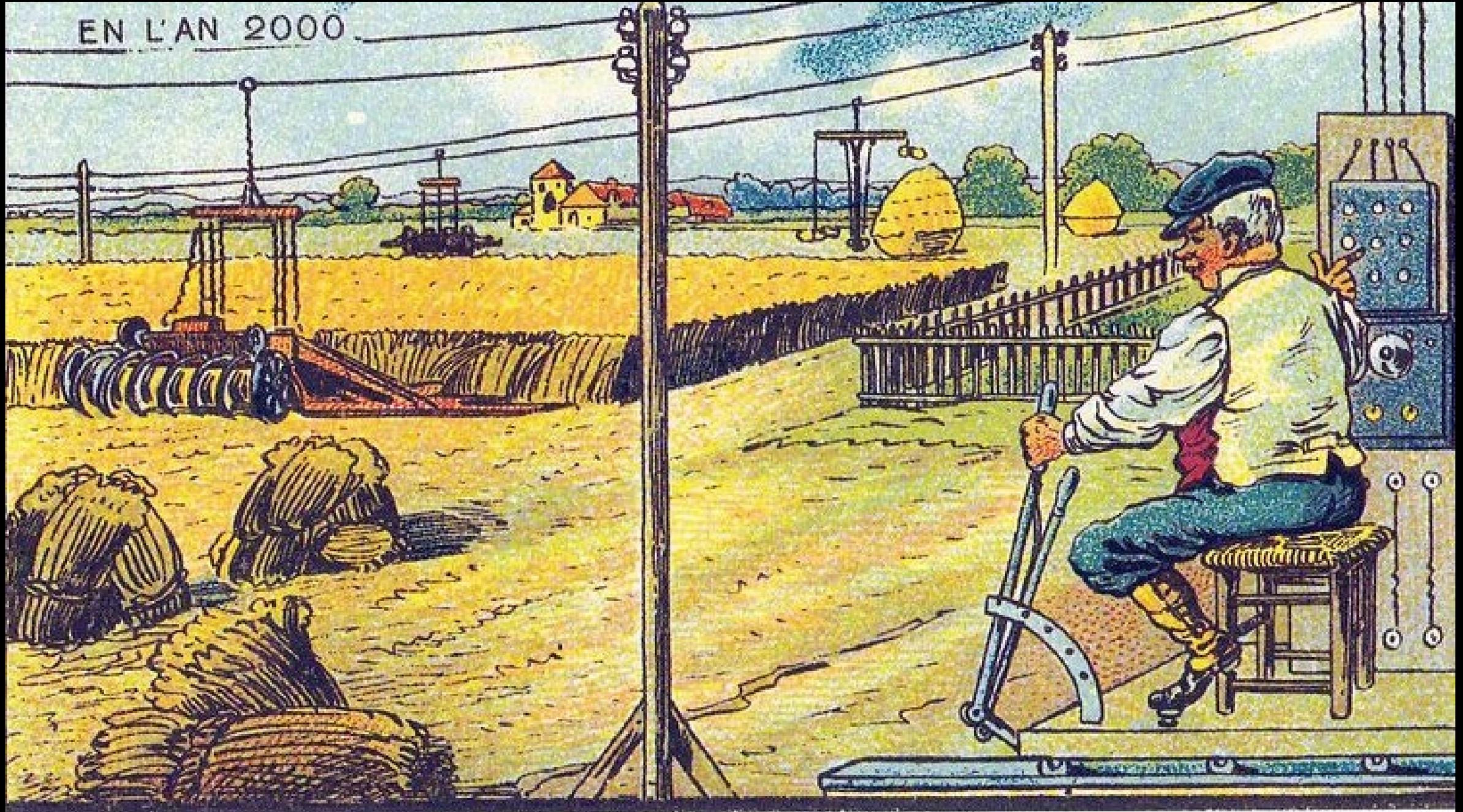
EN L'AN 2000







EN L'AN 2000



A Very Busy Farmer

<http://mymodernmet.com/jean-marc-cote-france-in-the-year-2000/>

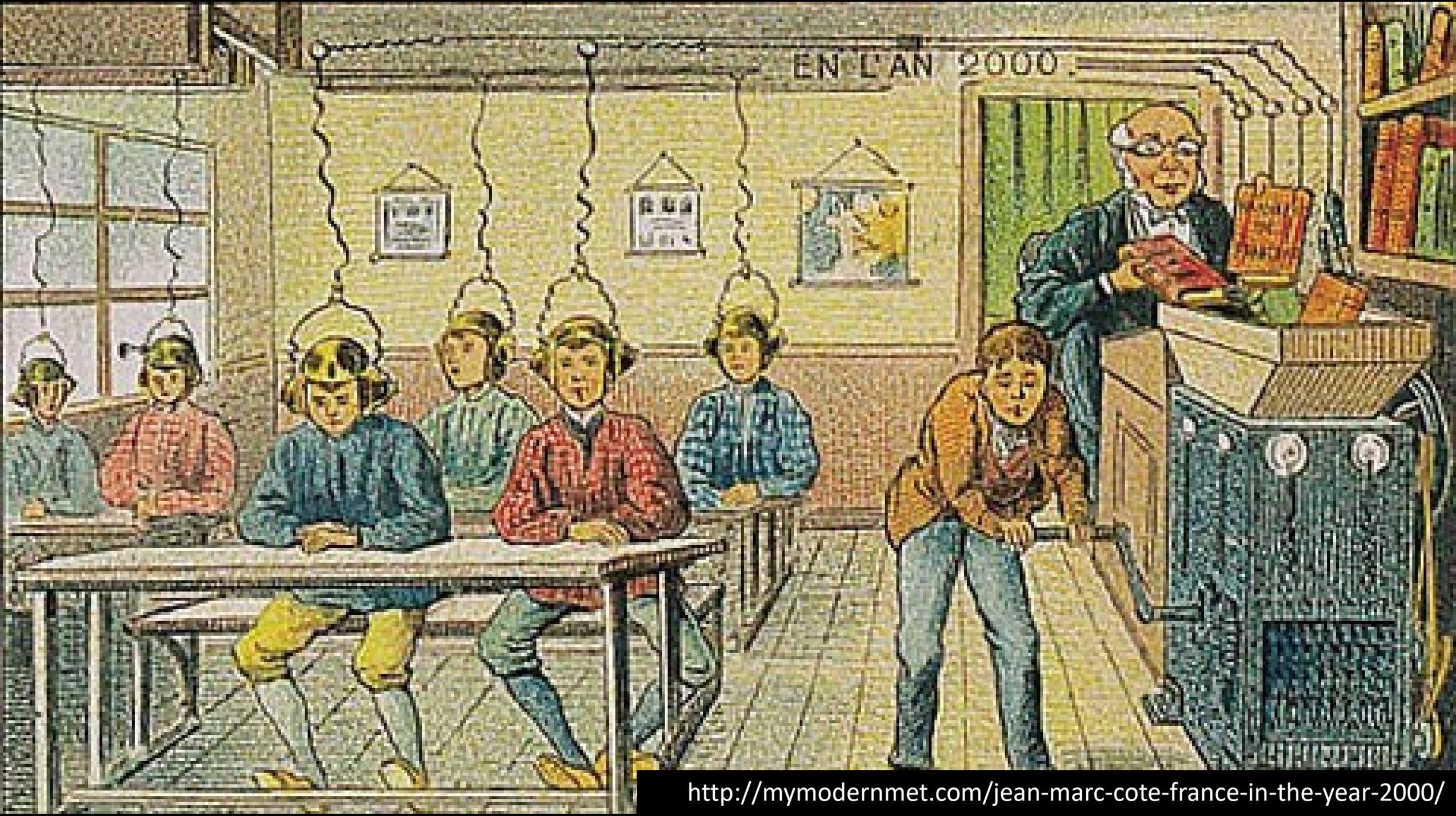




TECHNOLOGY QUARTERLY
THE FUTURE OF AGRICULTURE

<http://www.economist.com/technology-quarterly/2016-06-09/factory-fresh>

EN L'AN 2000





College training can be had by anybody who truly wants it. Money need not be a problem if a spirit of sacrifice is accepted. Other obstacles, too, can be overcome by real determination. Young men and women everywhere have proved the truth of those statements. And the thousands of recent college graduates prove that their lives are being better and more abundantly than ever before.



Technology is anything that wasn't
around when you were born.

- Alan Kay (Computer Scientist)





The future of learning is multi-channel, social and life-long. ”

Centennial College Book of Commitments, Second Edition, p.13

