New technology, new opportunities

SILVIJA SERES

2021

HOW TO DEVELOP EDUCATION?

"

We are currently preparing students for jobs that don't yet exist, using technologies that haven't been invented, in order to solve problems we don't even know are problems yet.

Richard Riley

WHAT IS THE NEXT NORMAL?

"

Remote working and home offices, social cottages and educational travel. Digital courses, flipped classroom and lifelong development. Where do we start? What have we lost?

Silvija Seres

THE FUTURE OF WORK?

Studies:

- Oxford
- WEF
- OECD

DON'T COMPETE WITH THE MACHINES.
JUST FOCUS ON BEING MORE HUMAN.

Silvija Seres

THE FUTURE OF HUMANS?

"

Be more human.
Not perfect, just human.
It's more than enough.

Silvija Seres

AN EXAMPLE OF BLIND NIGHT SKIING WHAT CAN THE FULLY CAPABLE LEARN FROM THE REST?

- COMPENASTION TECHNIQUES
- REPLACEMENT TALENTS
- COURAGE AND WILL

WHO CONTROLS THE FUTURE?

The future belongs to those who ~~can hear it coming.~~ build it

WE LIVE IN A VUCA WORLD.

Volatile
Uncertain
Complex
Ambiguous

World's Largest Companies by Market Cap
Accurate as of July 29, 2016 (10:50am ET)

Apple	$567.75 billion
Alphabet	$546.49 billion
Microsoft	$445.14 billion
Amazon	$366.95 billion
Facebook	$364.26 billion

Slate
Source: Google Finance

UNDERSTAND THE FORCES OF CHANGE.
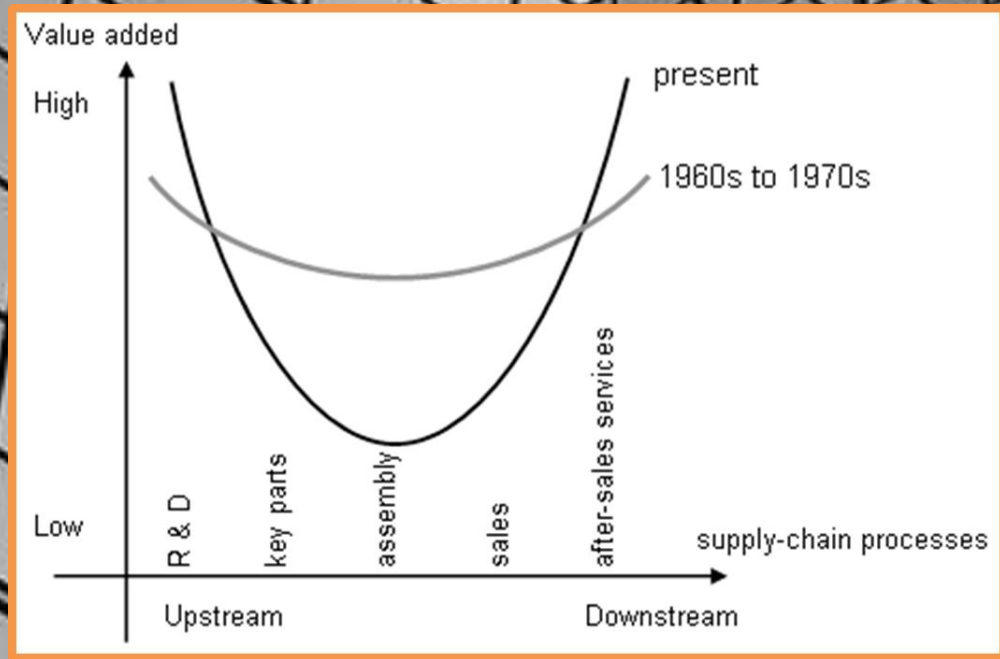
Navigating the next industrial revolution

Revolution	Year	Information
1	1784	Steam, water, mechanical production equipment
2	1870	Division of labour, electricity, mass production
3	1969	Electronics, IT, automated production
4	?	Cyber-physical systems

WORLD ECONOMIC FORUM

COMMITTED TO IMPROVING THE STATE OF THE WORLD

EXPONENTIAL GROWTH.

$f_{(x)}=50x$

$f_{(x)}=x^3$

$f_{(x)}=2^x$

The New Marketplace

Popularity

Head

Long Tail

Products
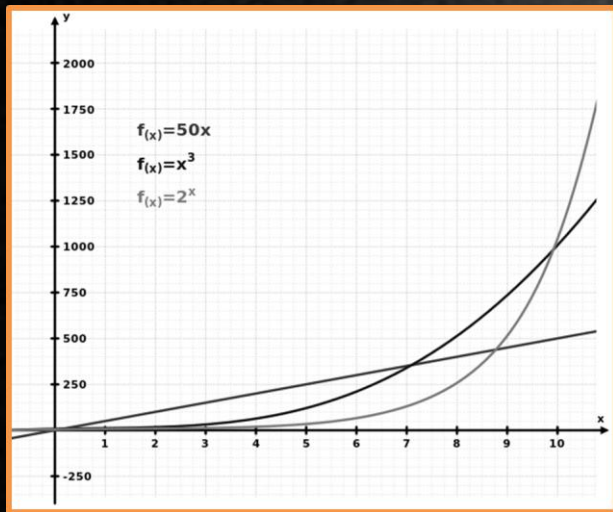
POLARISING POWERS.

COMBINATORIAL TECHNOLOGIES.

12 Gutenberg moments at once.

AI, big data

Robotics, automation

Biotech, bioinformatics

Energy, smart cities

3D printing, nanotech

Networks, sensors

Digital medicine

Fintech, regtech, edtech

VR and AR

Genetics

Transport and drones

Blockchain

3 strategic buckets:

efficiency
new services
social transformation

NEW EFFICIENCIES.

Digitalisation changes education. Some opportunities:
- multi-channel, multi-format content
- compensating technology
- personalised paths and new methodology
- cross-functional and virtual collaboration

NEW TOOLS.

"

New student efficiencies:
- easier access to content
- better communication tools
- speech assisted learning
- compensation tools

Strong isn't about having a million strengths. It is about facing and growing from your weaknesses.

NEW CHANNELS AND SERVICES.

Examples of VR:
Vaccination
Ice bath
Google tilt brush

Tell me and I forget,
teach me and I may remember,
immerse me and I learn.

NEW METHODS.

New pedagogical tactics:
- AI personalized teaching
- flipped classroom
- peer teaching
- lifelong learning

"

The purpose of education is to replace an empty mind with an open one.

Malcolm Forbes

NEW SUSTAINABILITY.

New culture:
better inclusion
more equality
new partnerships

What should we learn?

Technical vs instrumental skills:
both needed, the first is basic, the other is essential.

THE POWER OF DIVERSITY

- INNOVATION
- TALENTS
- DIRECTION

NEW OPPORTUNITIES
HOW TO COMBINE TECHNOLOGY WITH
HUMAN STRENGTHS

- EDUCATION
- MENTORS
- VISIBILITY
- PROJECTS AND PROBLEMS

IF NOT ME; WHO?
IF NOT NOW, WHEN?

Get going.
Hold out.

Care.
Dare.
Deliver.

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