



How do we help students learn today and also prepare them for tomorrow?

Andrew Rhodes
National Education
Manager
(& Passionate Educator)

ATEA

A vibrant, futuristic cityscape under a bright blue sky. In the foreground, a man in a dark t-shirt and shorts walks a small dog on a leash along a paved path. To his right, a sleek, silver, aerodynamic train with a yellow stripe is moving along a curved track. The train has the number '117 0000-00' on its side. In the background, there are several tall, modern buildings with glass facades. A prominent feature is a large, multi-tiered tower with a circular observation deck at the top. The sky is filled with numerous flying cars of various shapes and sizes, some with solar panels on top. The overall atmosphere is one of advanced technology and a clean, green environment.

**“The future started
yesterday and we´re
already late”**
John Legend

“Distracted”?

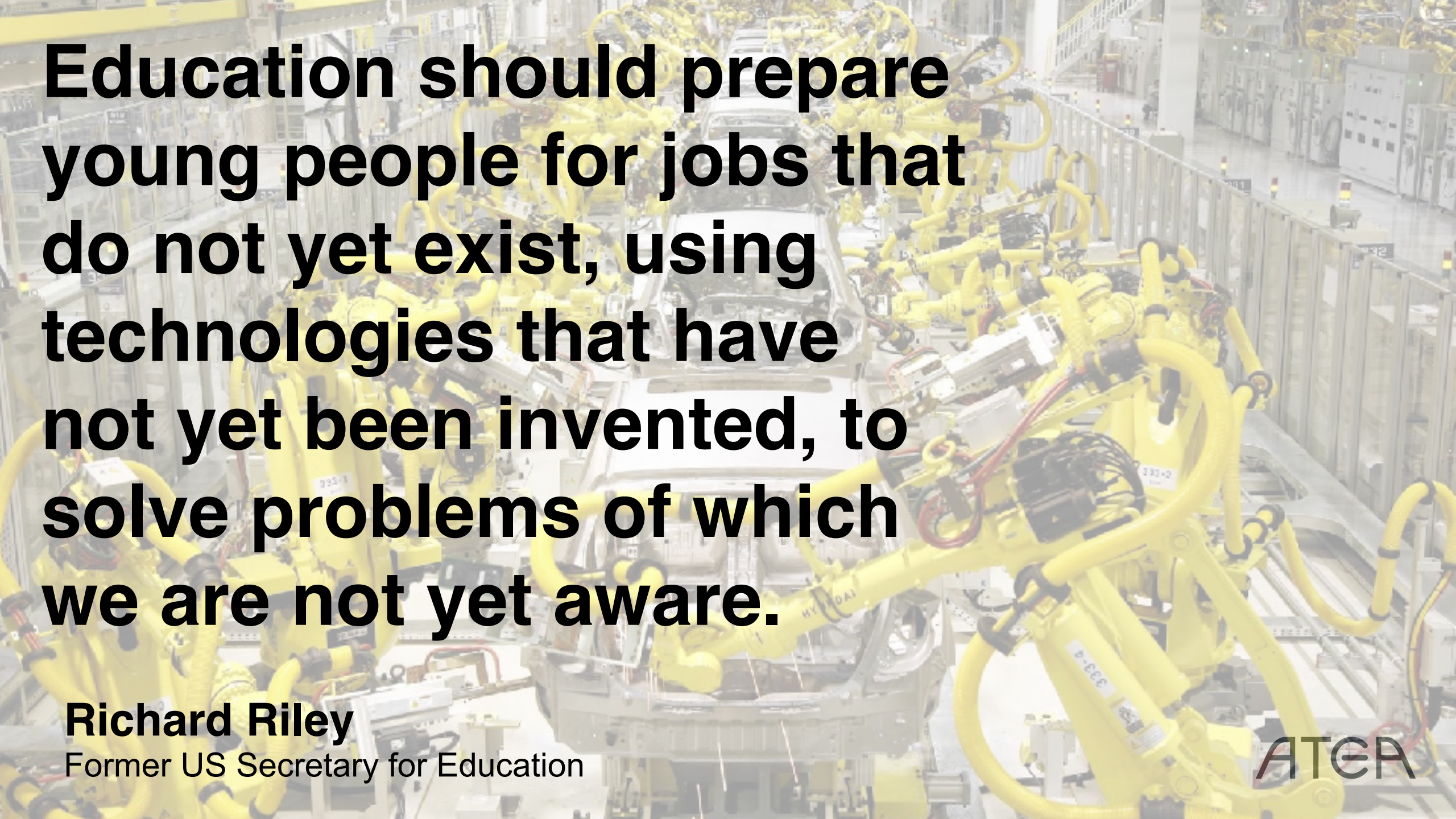


Google

You Tube



...or “ruthless moments of concentration”?

The background of the image is a factory floor filled with yellow robotic arms. These arms are arranged in rows, working on car chassis. The scene is brightly lit, and the overall atmosphere is one of a modern, automated manufacturing environment. The text is overlaid on this background.

Education should prepare young people for jobs that do not yet exist, using technologies that have not yet been invented, to solve problems of which we are not yet aware.

Richard Riley

Former US Secretary for Education

ATER

Robots will destroy our jobs not ready for it

Two-thirds of Americans believe robots will soon perform jobs better than humans but 80% also believe their jobs will be unaffected

Tech giants like Amazon and Facebook more disruptive to banks than fintech startups, says WEF

- Companies like Amazon and Facebook pose more of a threat to banks than fintech, according to a report by the World Economic Forum.
- Banks are lagging behind tech giants in the development of artificial intelligence and big data.

Ryan Browne | @Ryan_Browne_

Published 6:09 AM ET Tue, 22 Aug 2017 | Updated 4:22 PM ET Tue, 22 Aug 2017



KommuneKari



Hei, jeg heter Kari og er kommunens chatrobot.



Jeg svarer deg på spørsmål om kommunale tjenester.



Hva lurer du på? (husk å ikke skrive noe personlig som fødselsnummer, navn og helseinformasjon)

Skriv spørsmålet ditt her

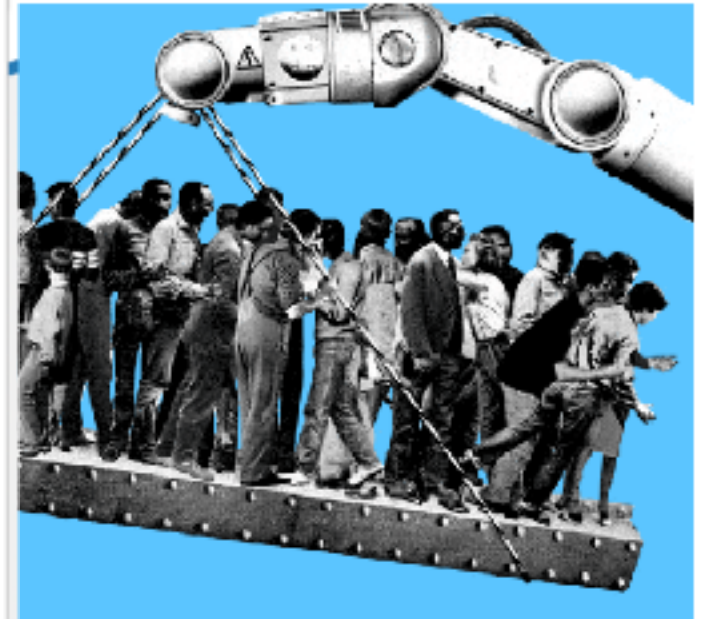
110



IDEAS.TED.COM




Less class



Kari offers a bracing prediction: just as mass unemployment hit the working class, the AI revolution will hit the working class.

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"It's fair to say anything that can be measured or is based on rules will be automated."

Graham Brown-Martin

"Automation is great for profits, but it's a real potential trouble area for society."

Chieh Huang

...but also creates new opportunities

Digital Marketing specialist

Uber driver

YouTube content creator

Cloud Computing Specialist

eCommerce manager

Big data scientist

Drone operator

Sustainability manager

App Developer

Social Media Manager

Big data analyst

Driverless car engineer

AI engineer

Blogger

Vlogger

User experience designer

Chief Listening Officer

Data miner

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1915



2015



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“Digital natives”?

Digital natives have become the digitally naive

So, how do we make sure that our children don't fall victim to radicalisation and blackmail? The ultimate way to combat cybercrime is to enhance society's digital media literacy

Rumi Ezzou



Twitter Instagram Teens Online harassment Cyberbullying

A huge new survey shows that teens are bullied most on Instagram and Facebook

Posted July 10, 2017 by Taylor Matrocker (@taymatrocker)



According to British anti-bullying organization [Ditch The Label's](#) new annual survey, Instagram is the network of choice for cyberbullies in 2017, with Facebook close behind. This year's survey collected results from 10,000 people between the ages of 12 and 20, making for a respectably robust data set that sheds some light onto the damaging phenomenon endemic to Internet communities.

SuperLenny
5000K BONUS
- 300 FREE SPIN
SPINNA

Crunchbase

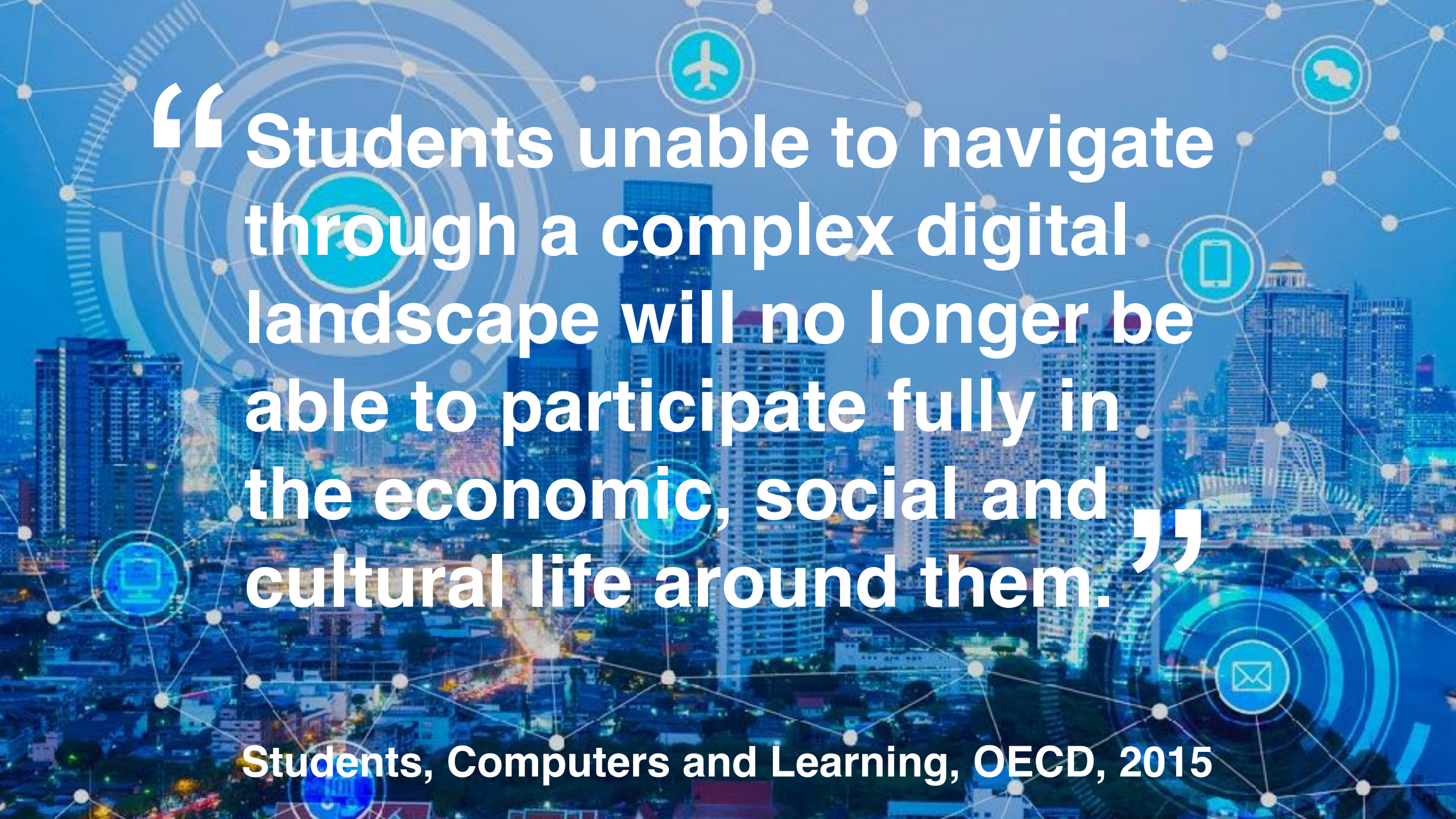
[Ditch the Label](#)

11/15/2016
107.1

OVERVIEW
Ditch the Label is one of the UK's most innovative bullying charities. They work across the UK with schools, colleges, young people, parents and organisations to create their objective of halting, reducing and eradicating the impact of bullying, cyberbullying and to promote the importance of equality and diversity. Their new independent research of over 3,000 UK students suggests that a half of young people will experience bullying...

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“ Students unable to navigate through a complex digital landscape will no longer be able to participate fully in the economic, social and cultural life around them. ”

Students, Computers and Learning, OECD, 2015

Annual Meeting 2018

Davos-Klosters, 23-26 January

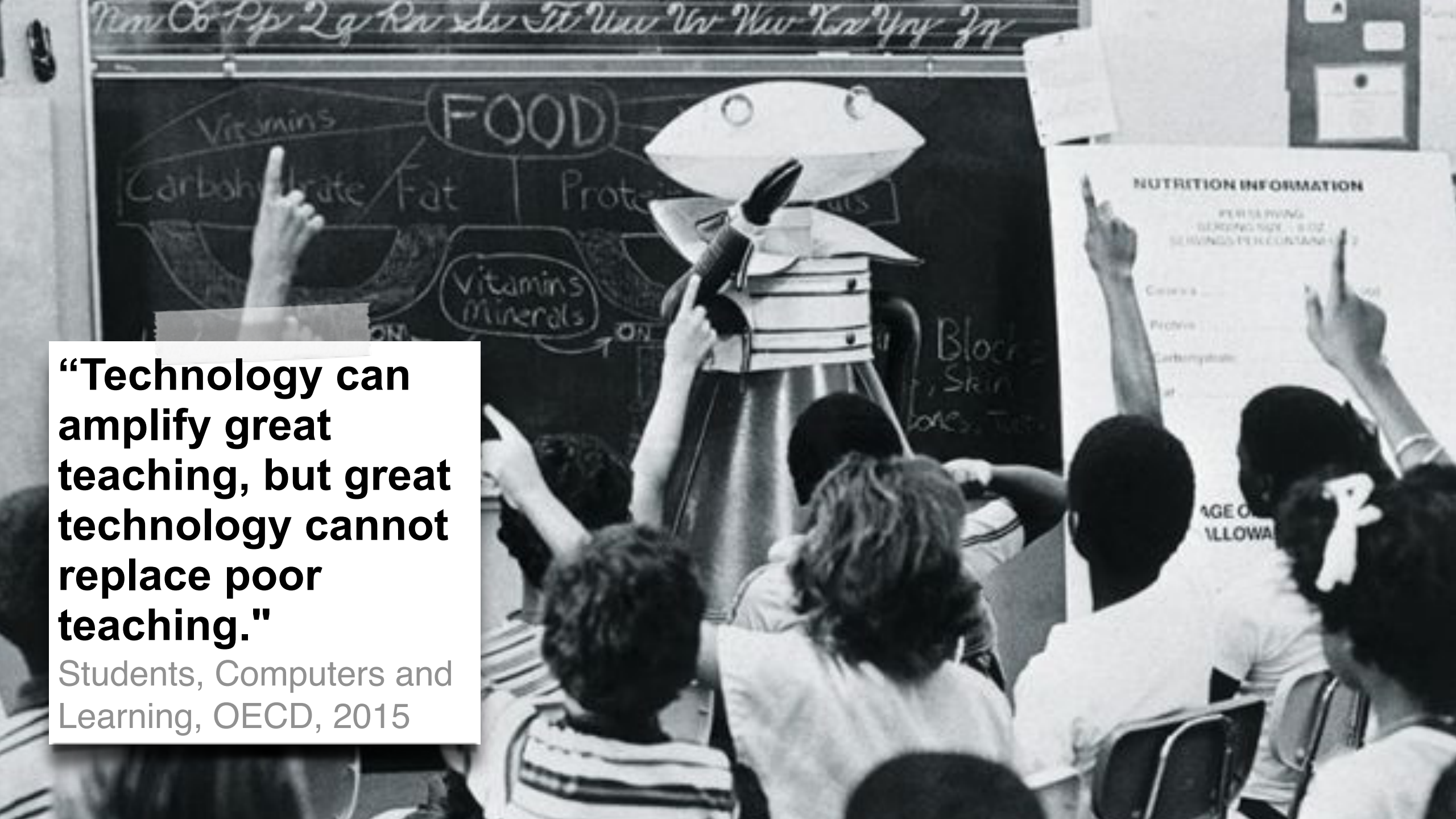




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“Technology can amplify great teaching, but great technology cannot replace poor teaching.”

Students, Computers and Learning, OECD, 2015





“ Give me six hours to chop down a tree and I will spend the first four sharpening the axe. ”

Abraham Lincoln



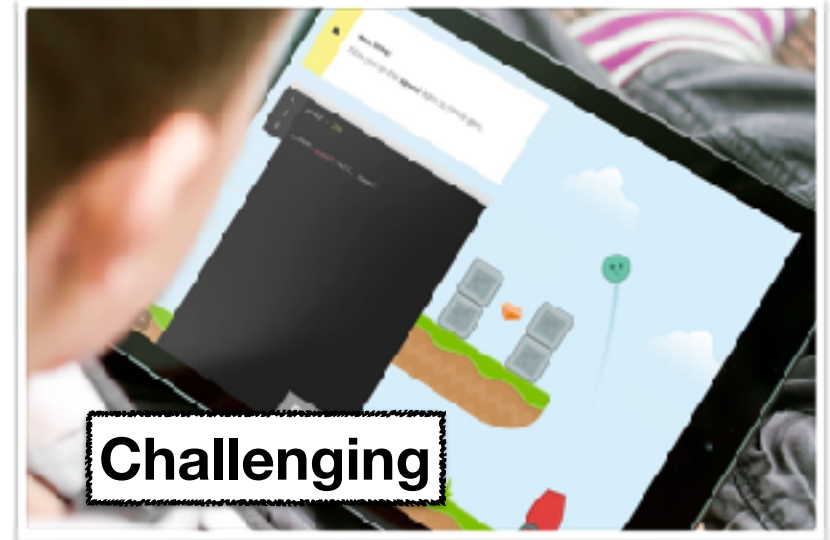
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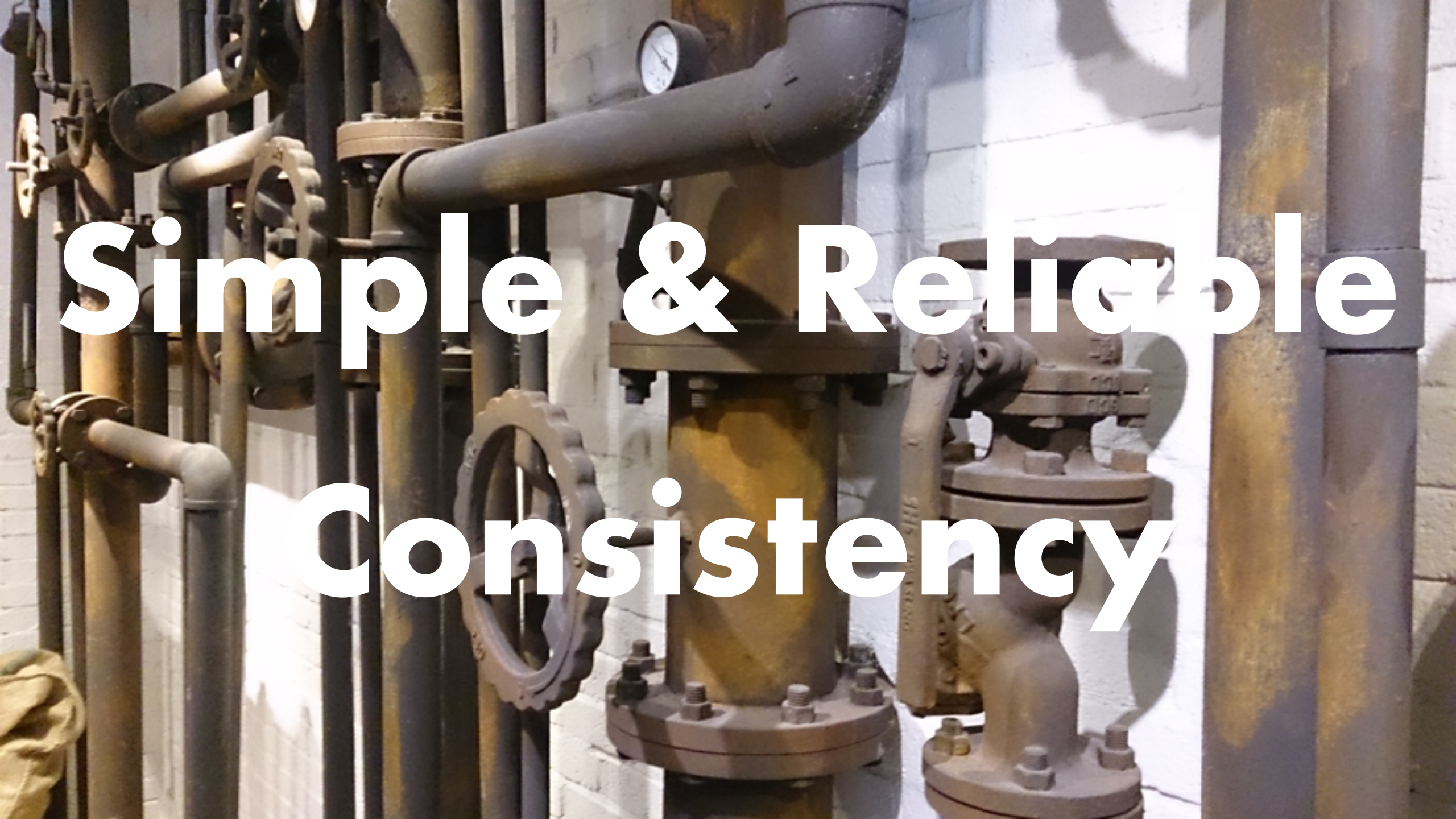
Engaging



Relevant



Challenging



Simple & Reliable

Consistency



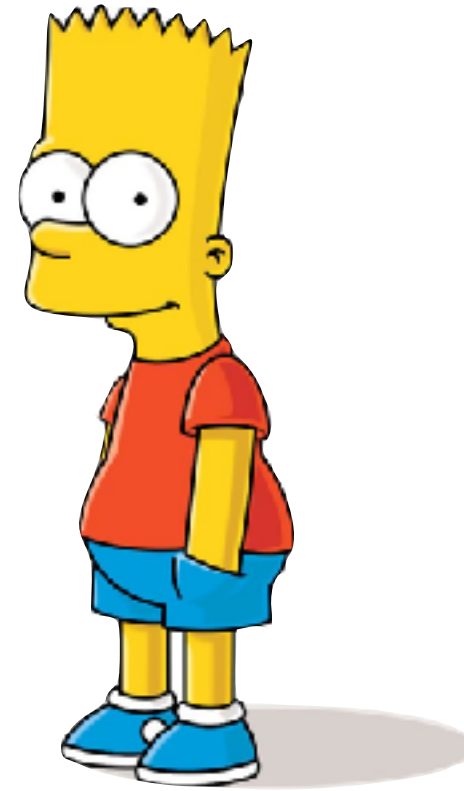
Engaging the Whole School Community



Leder



Lærer



Elev



Foresatte

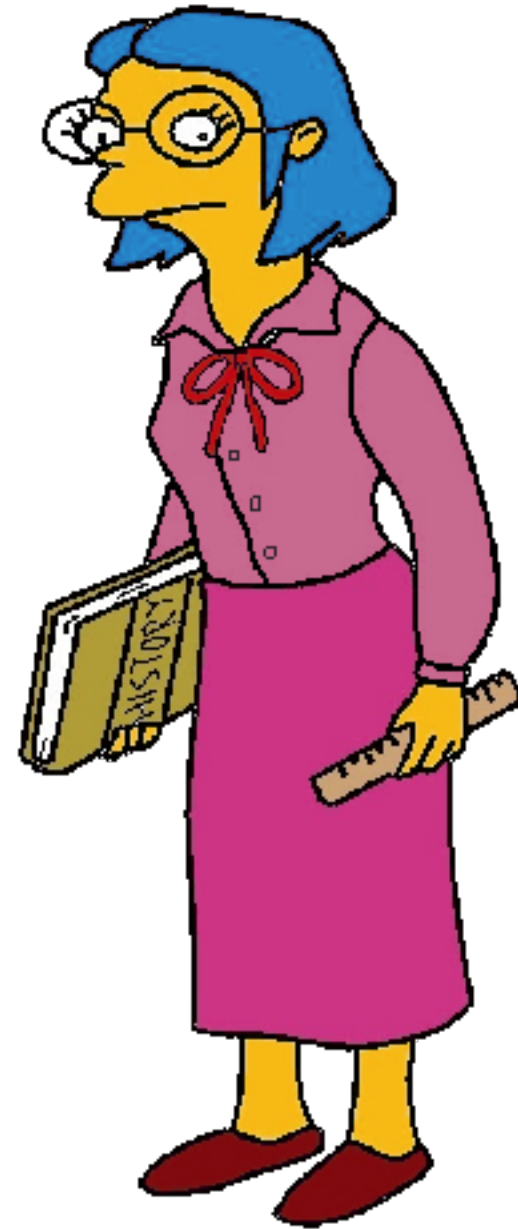
Skoleleder





““ The role of the teacher is to create the conditions for invention rather than provide ready-made knowledge.

Seymour Papert



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Speed Worksheet

Name _____ Period _____

Use the following equations to answer the following speed questions.



$$\begin{aligned}\text{Distance} &= \text{Time} \times \text{Speed} \\ \text{Time} &= \text{Distance} / \text{Speed} \\ \text{Speed} &= \text{Distance} / \text{Time}\end{aligned}$$

1. If Steve throws the football 45 meters in 3 seconds, what is the average speed of the football?
2. If it takes a snail 4 seconds to run from the cafeteria to the nose and it is 12 meters to the nose, what was her average speed?
3. Dan ran 500 meters in 25 minutes. What was his speed?
4. If Justin races his Chevy 5-10 down the highway for 720 meters in 60 seconds, what is his average speed?
5. Mike rides his motorcycle at an average speed of 20 meters/second for 300 seconds, how far did he ride?
6. Sarah walks to school at an average speed of 5 meters per second, how long will it take her to complete the race of 200 meters length?
7. Laura's SUV was detected exceeding the posted speed limit of 60 kilometers per hour, how many kilometers per minute would she have been traveling over the limit if she had covered the distance of 13 kilometers in 5 minutes?
8. Tina's calculations of the tarantula found that the spider was able to cover 20 centimeters in 5 seconds, what was the average speed of the spider?




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int j=0;x[j]!='\0';j++){z[a+j]=x[j];}}public Optimization(int x) { val = x; }pub  
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Problem Solving

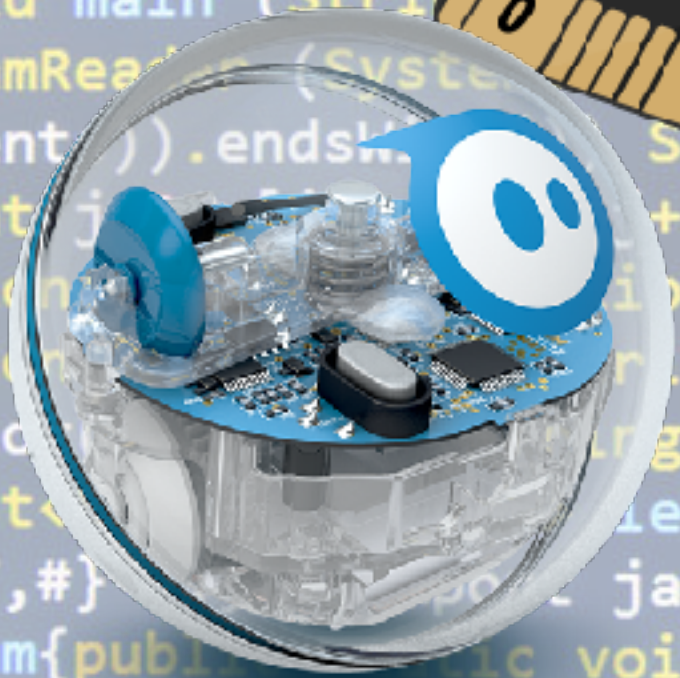
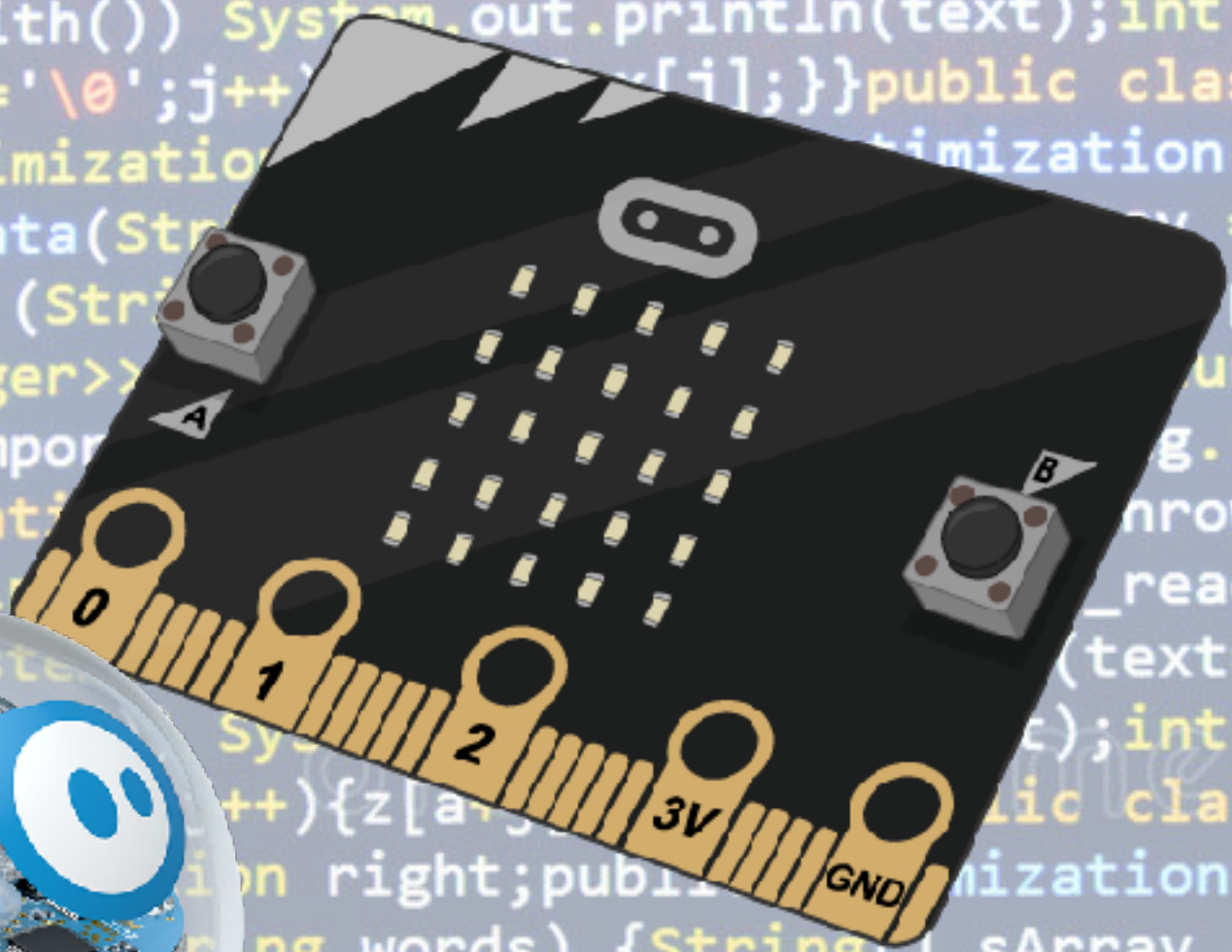
Collaboration

Persistence

Reasoning and logic

Communication

Working with Others





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“ We need to invest in capacity development and change-management skills, develop sound evidence..... and back all that up with sustainable financing. ”

Students, Computers and Learning, OECD, 2015

**The illiterate of the
21st century will not
be those who cannot
read and write, but
those who cannot
learn, unlearn, and
relearn.**

Alvin Toffler

