

# IS LEARNING BECOMING EXTINCT?

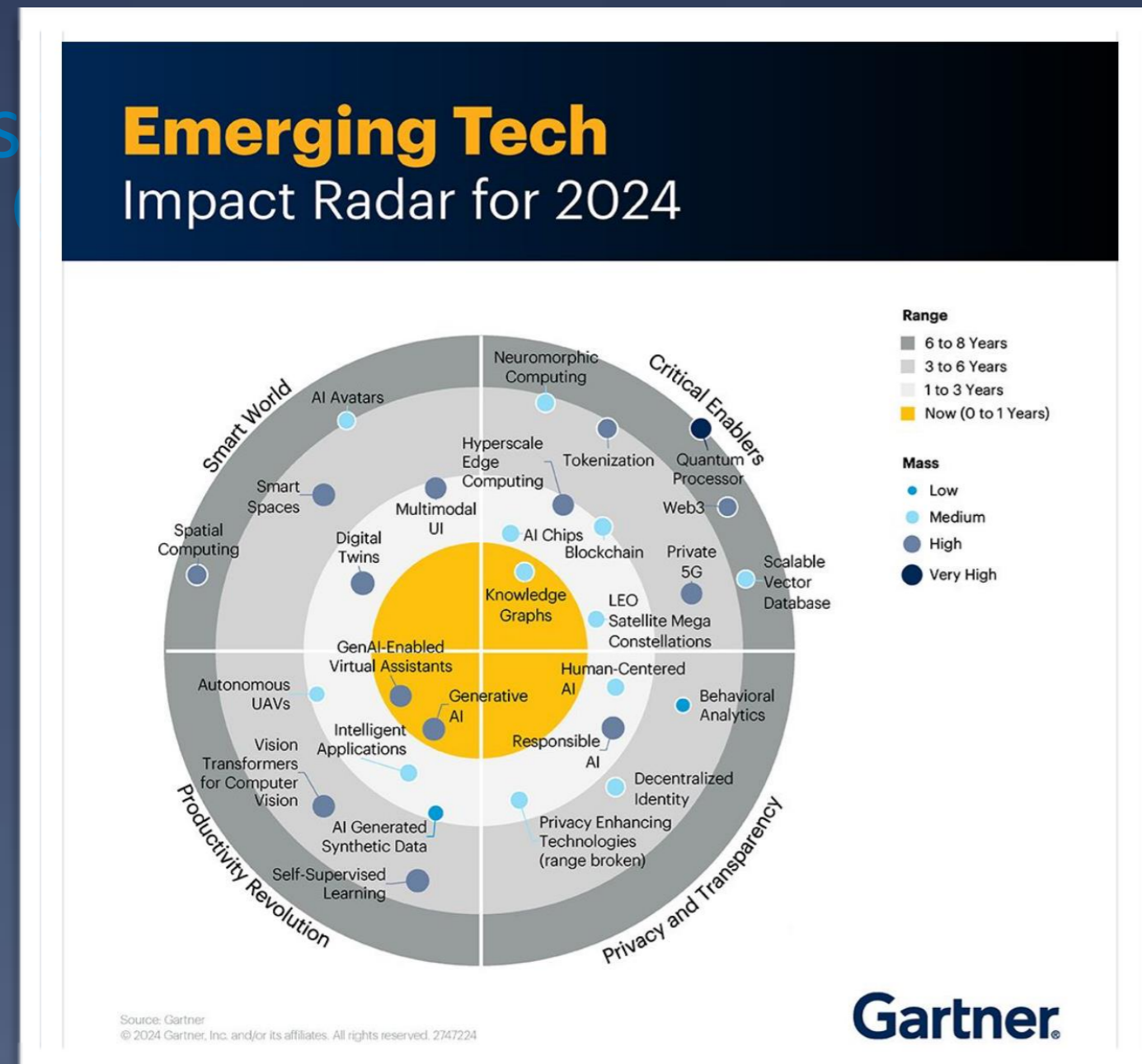


Dr Neil Hopkin

Director of Education  
Fortes Education

# HOW ARE YOU EMBRACING.....AI ?

*'Traditional School' models*

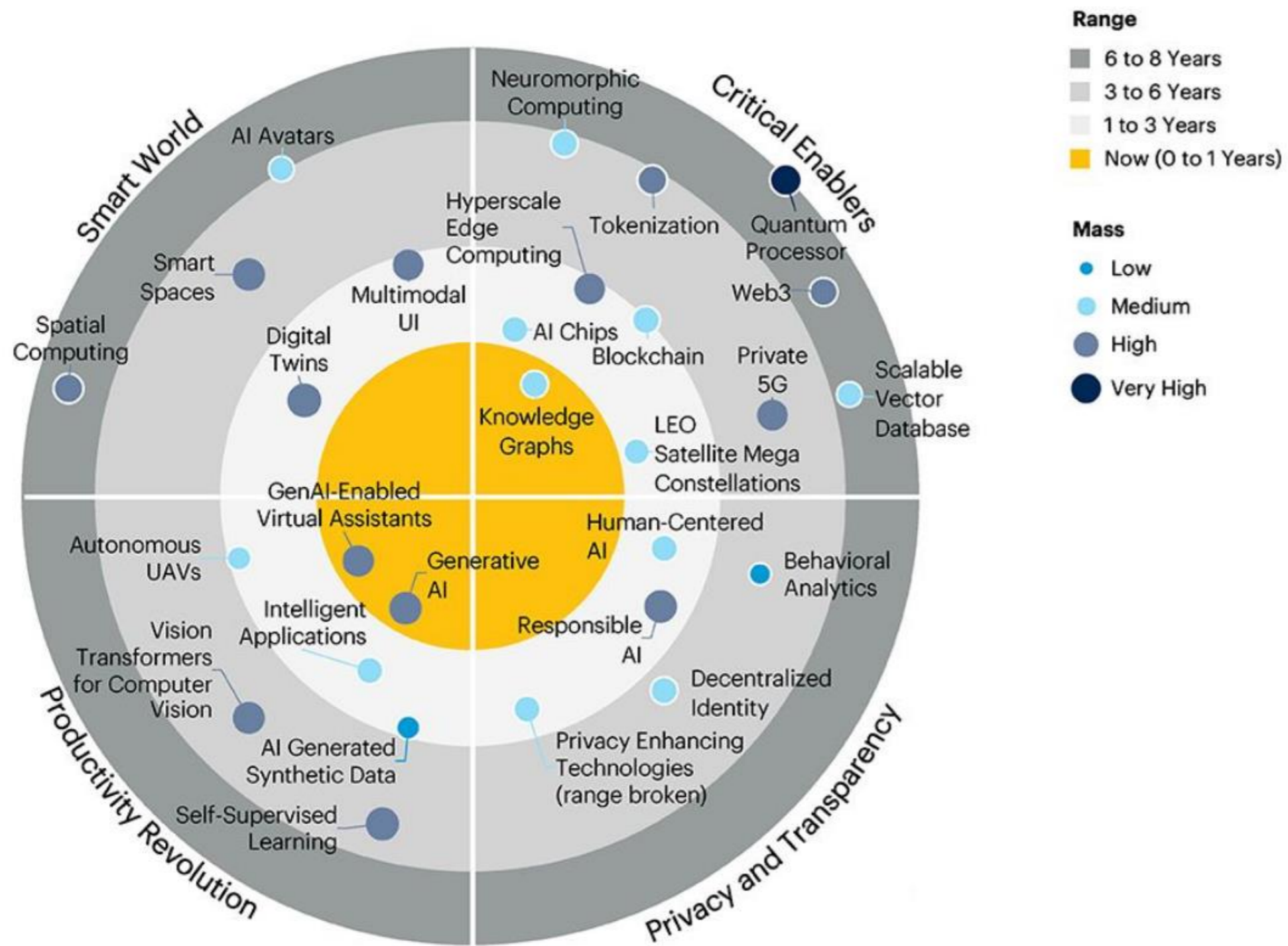


*A Brave New World*  
Gen-Alpha focused



# Emerging Tech

## Impact Radar for 2024



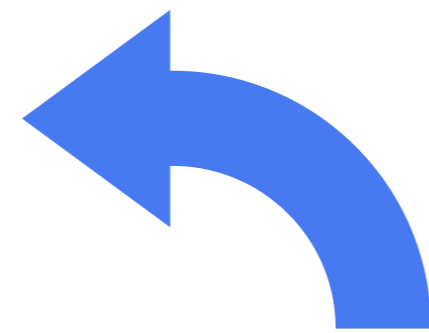
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**Gartner**

*A Brave New World*



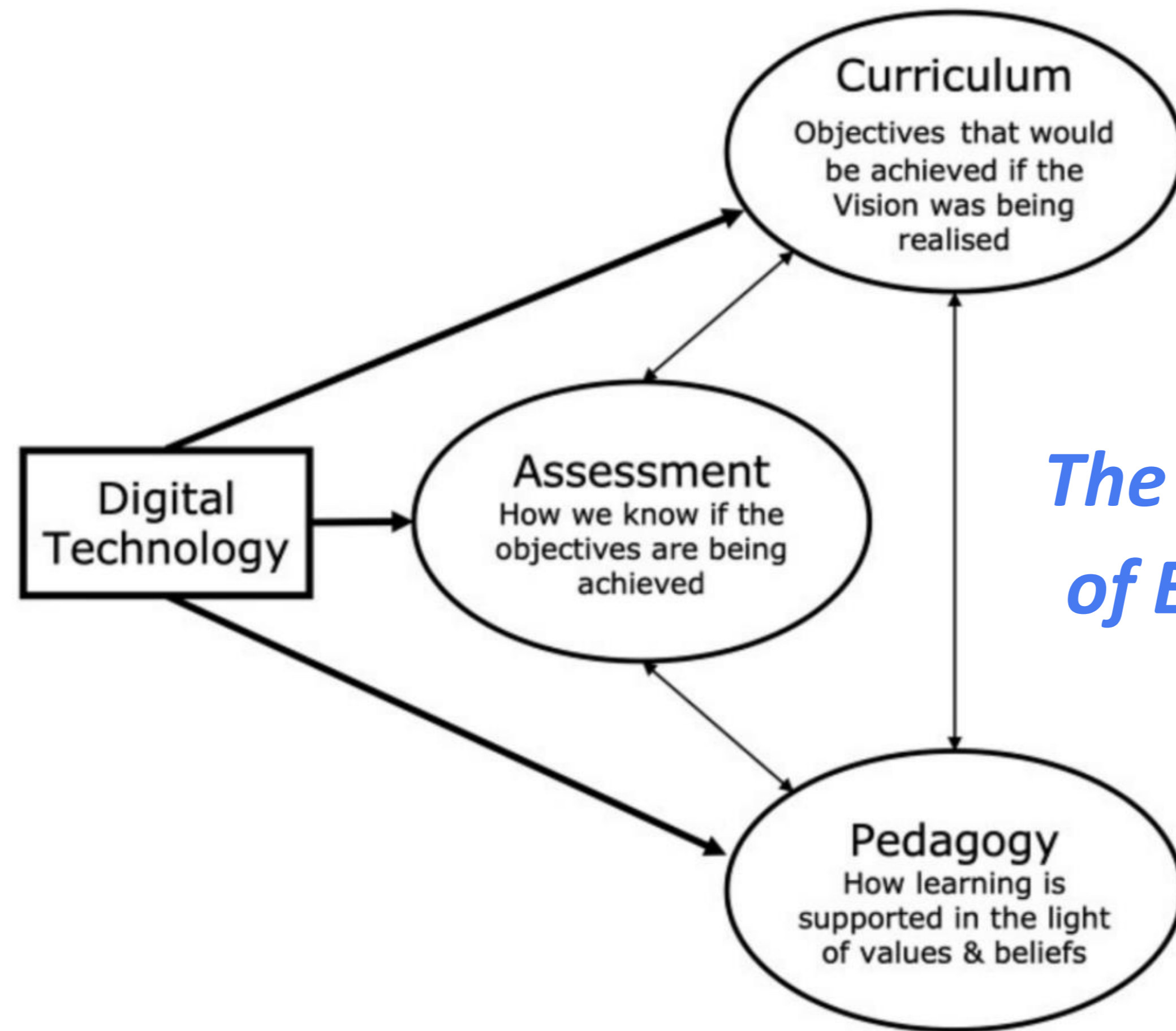
# HOW TO LEARN WITH... AI?



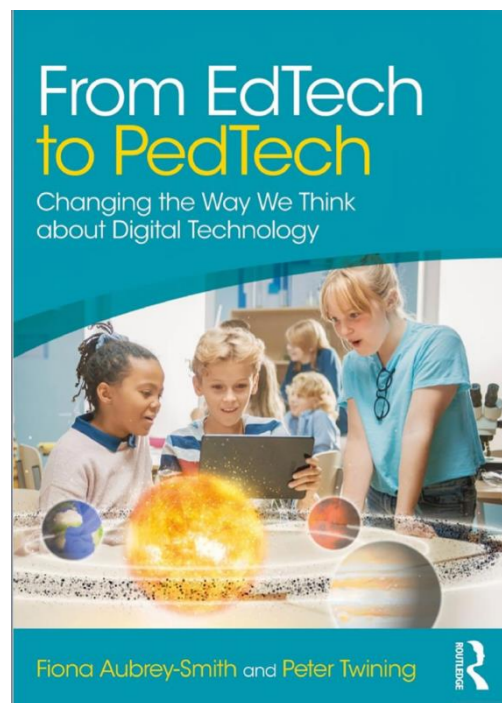
*Start Here*



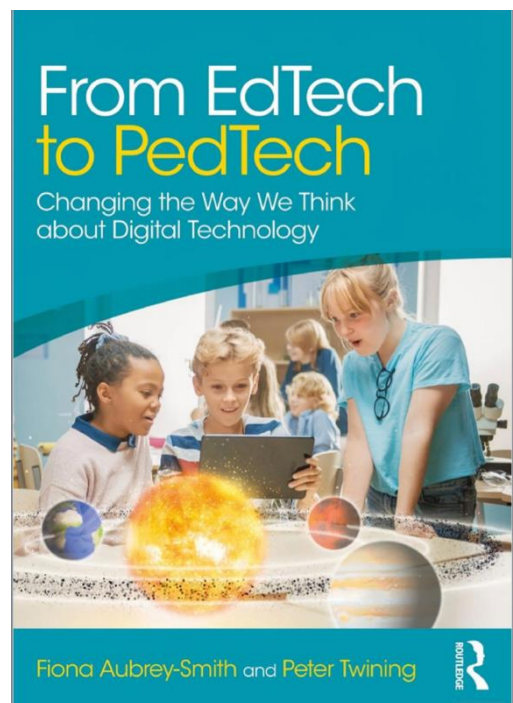
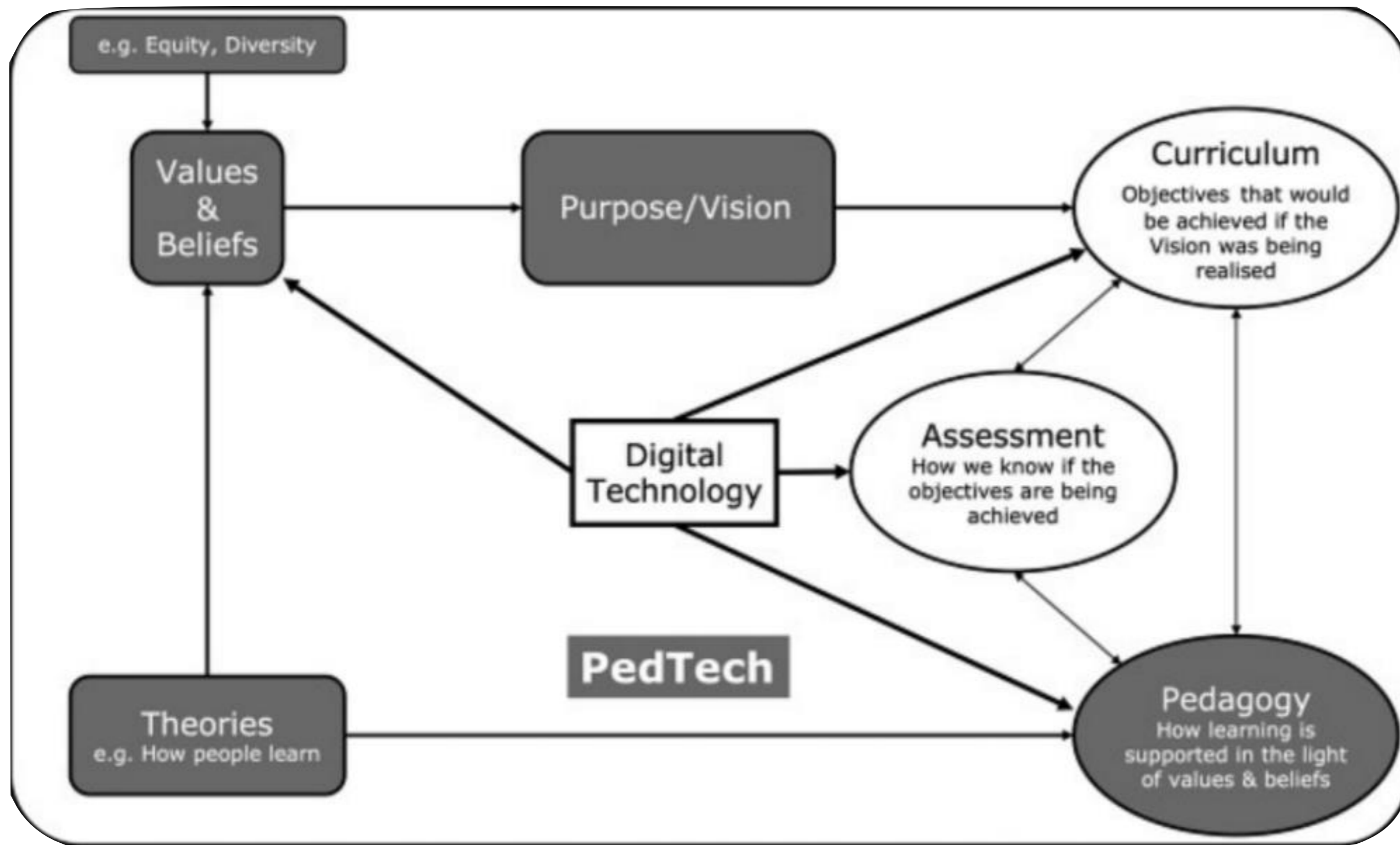
# HOW TO LEARN WITH... AI?



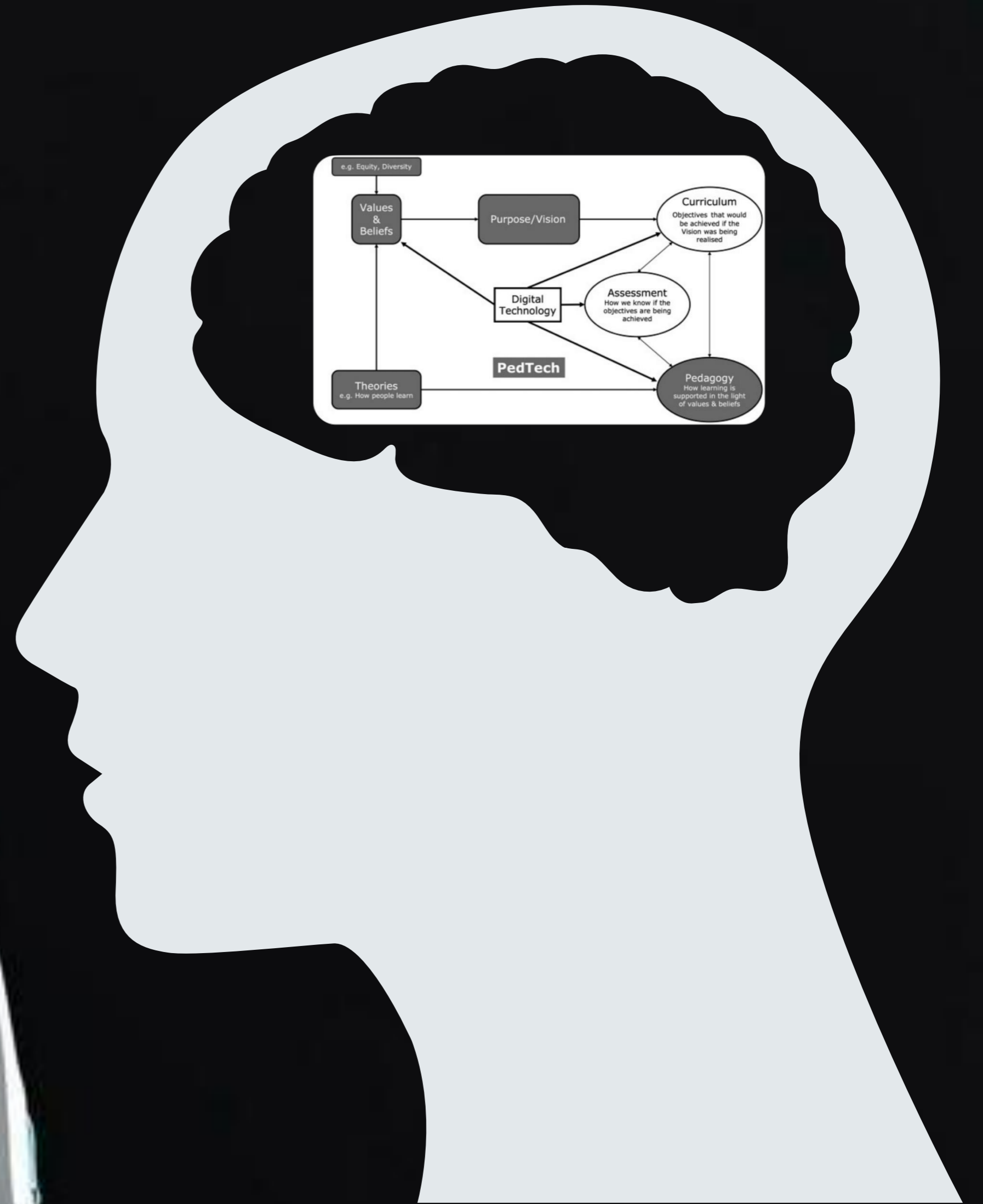
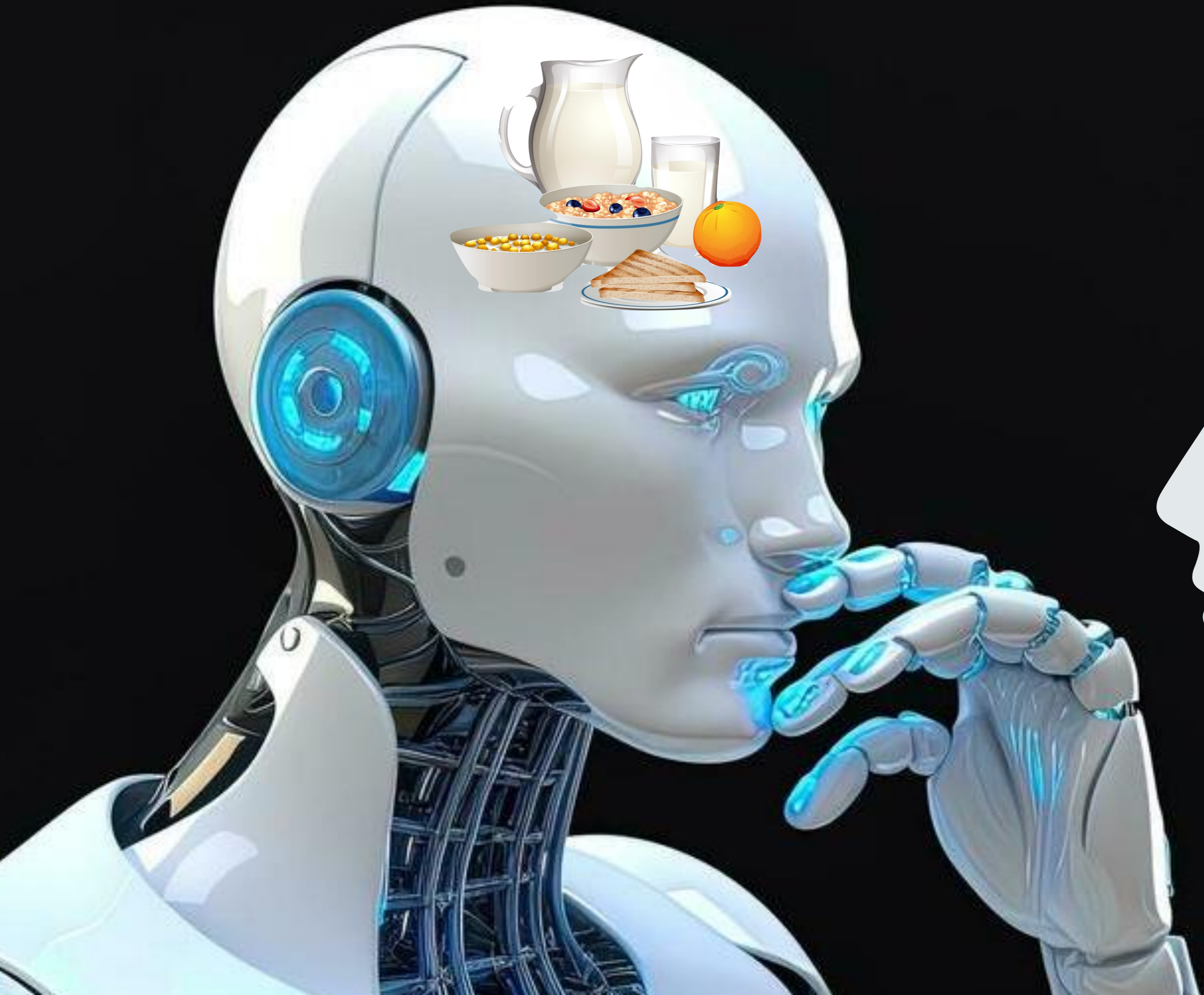
*The 'What' of EdTech*



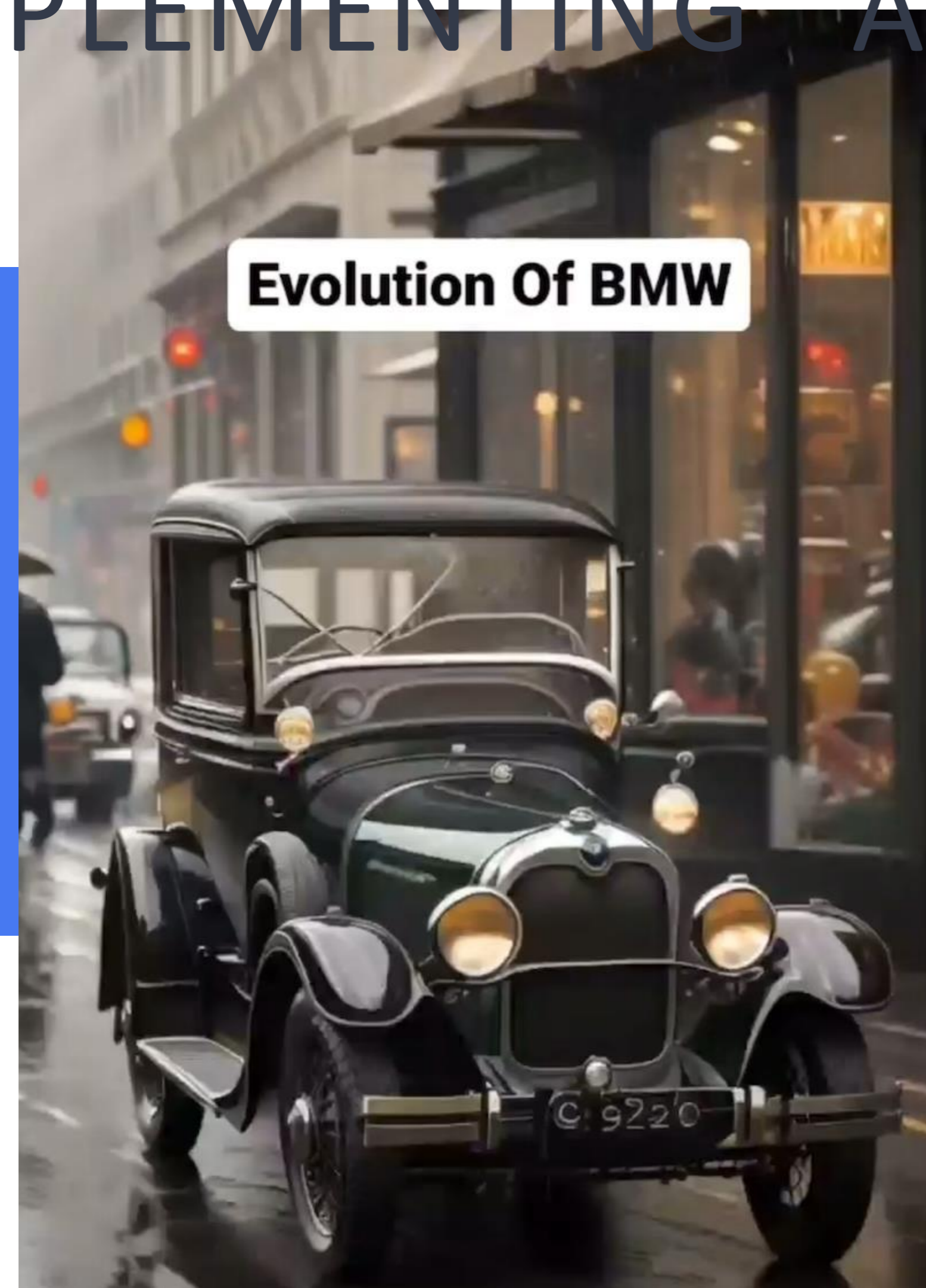
# WHY TO LEARN WITH... AI?



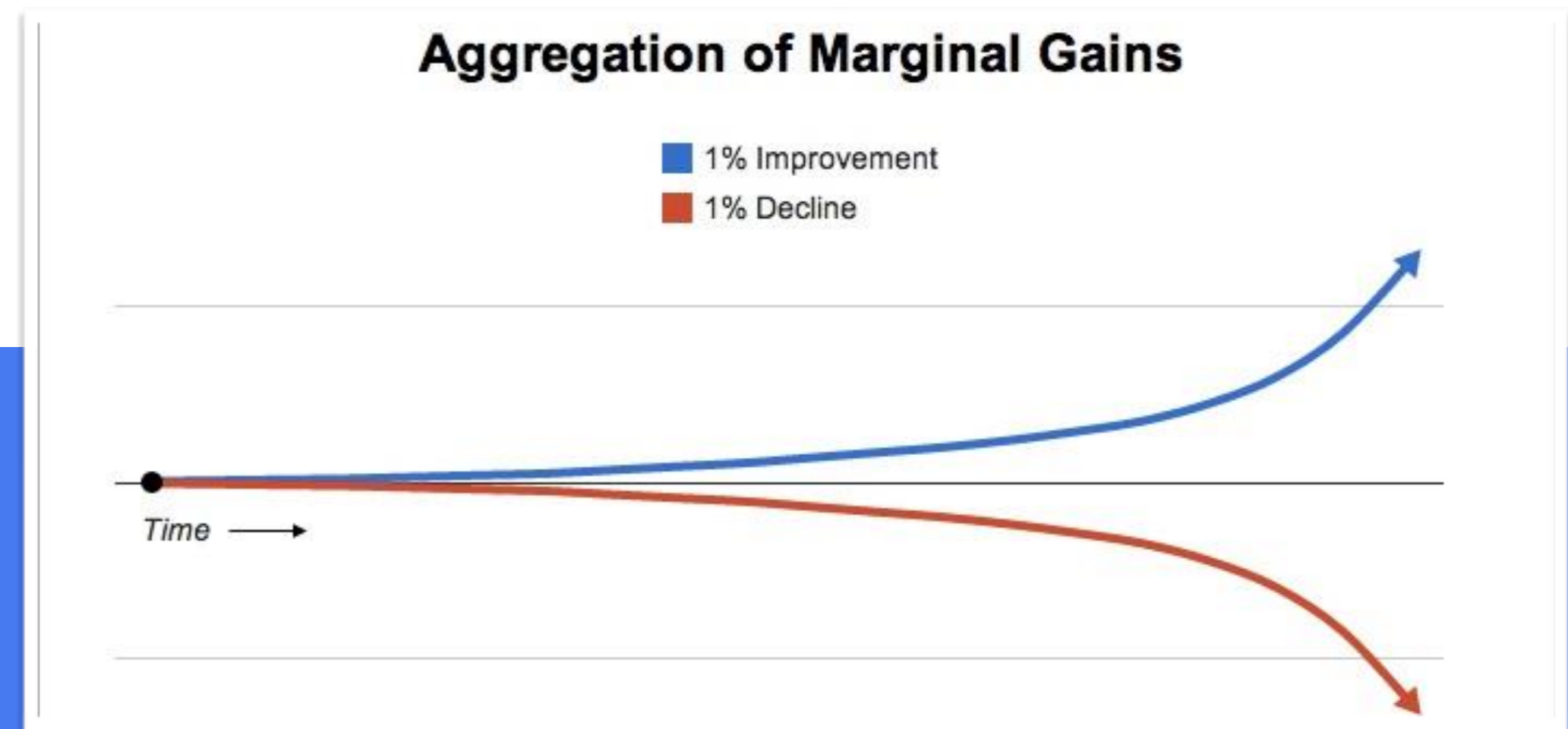
*But Why or  
L'etowing?  
PedTech*



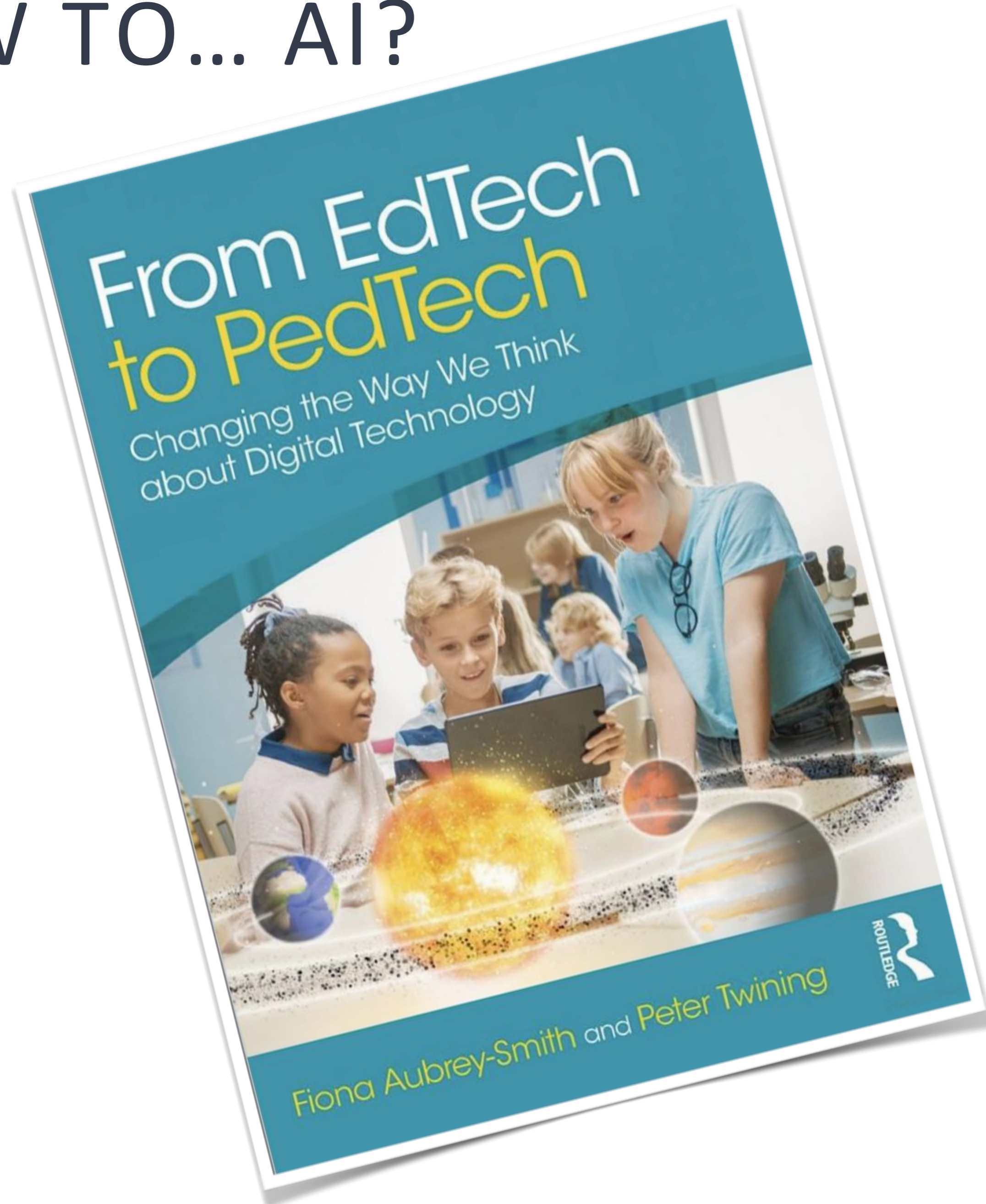
# SO HOW ARE SCHOOLS “IMPLEMENTING” AI?



**Evolution Of BMW**



# HOW TO... AI?





# *Pedagogysaurus*

[ped-uh-goh-jee-sawr-uhs]

*noun*

1. A parent that thinks AI is just another modern 'trend' that undermines ***traditional educational values***
2. A teacher that thinks reflecting on ***how*** to teach with AI is going to be enough
3. A student that thinks that AI can be ***consumed*** as an easy way out of hard work

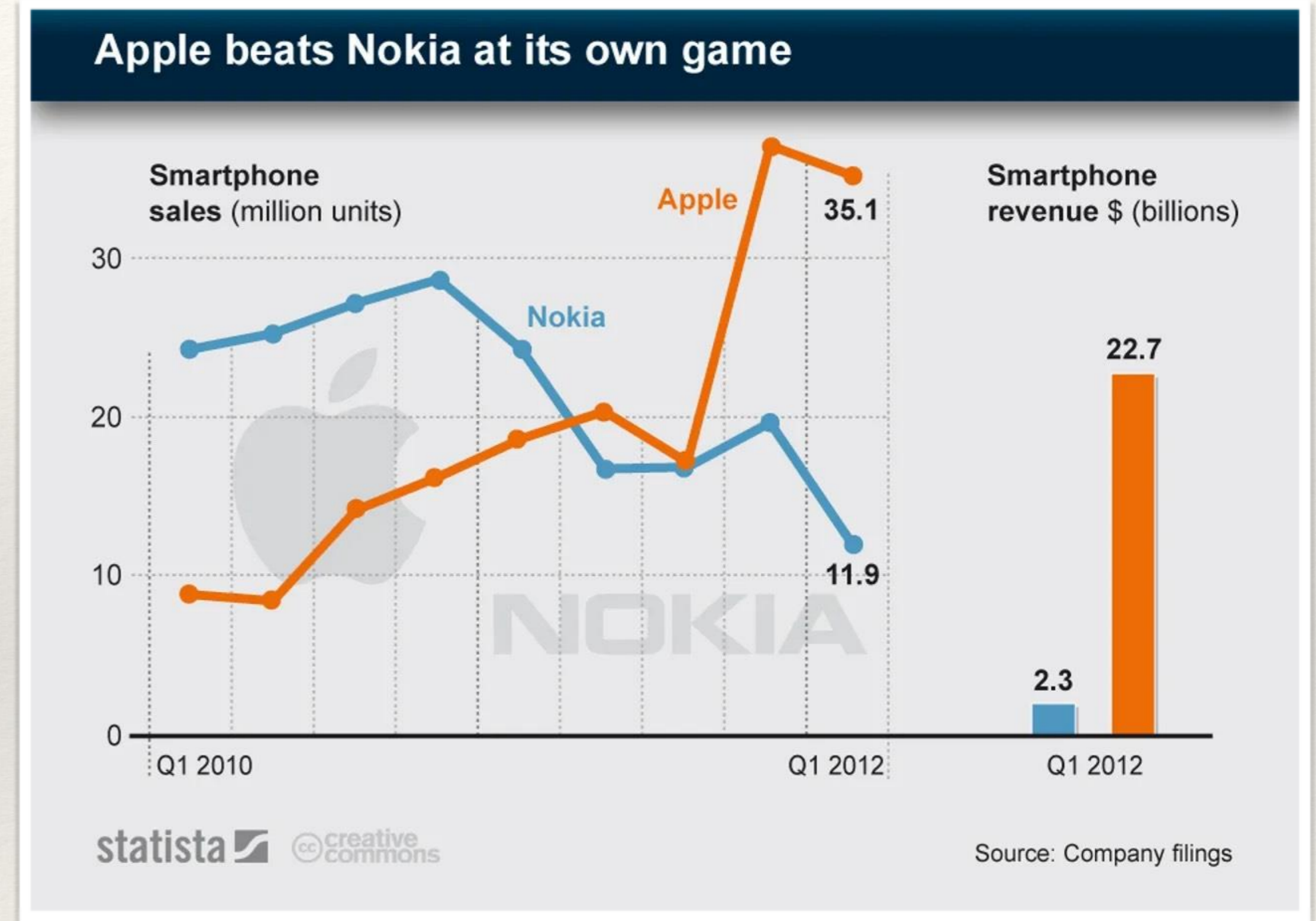


*Is AI just a fleeting 'trend'?*

*Disruptive Innovation  
is often unexpected...  
and nothing is ever the same again*



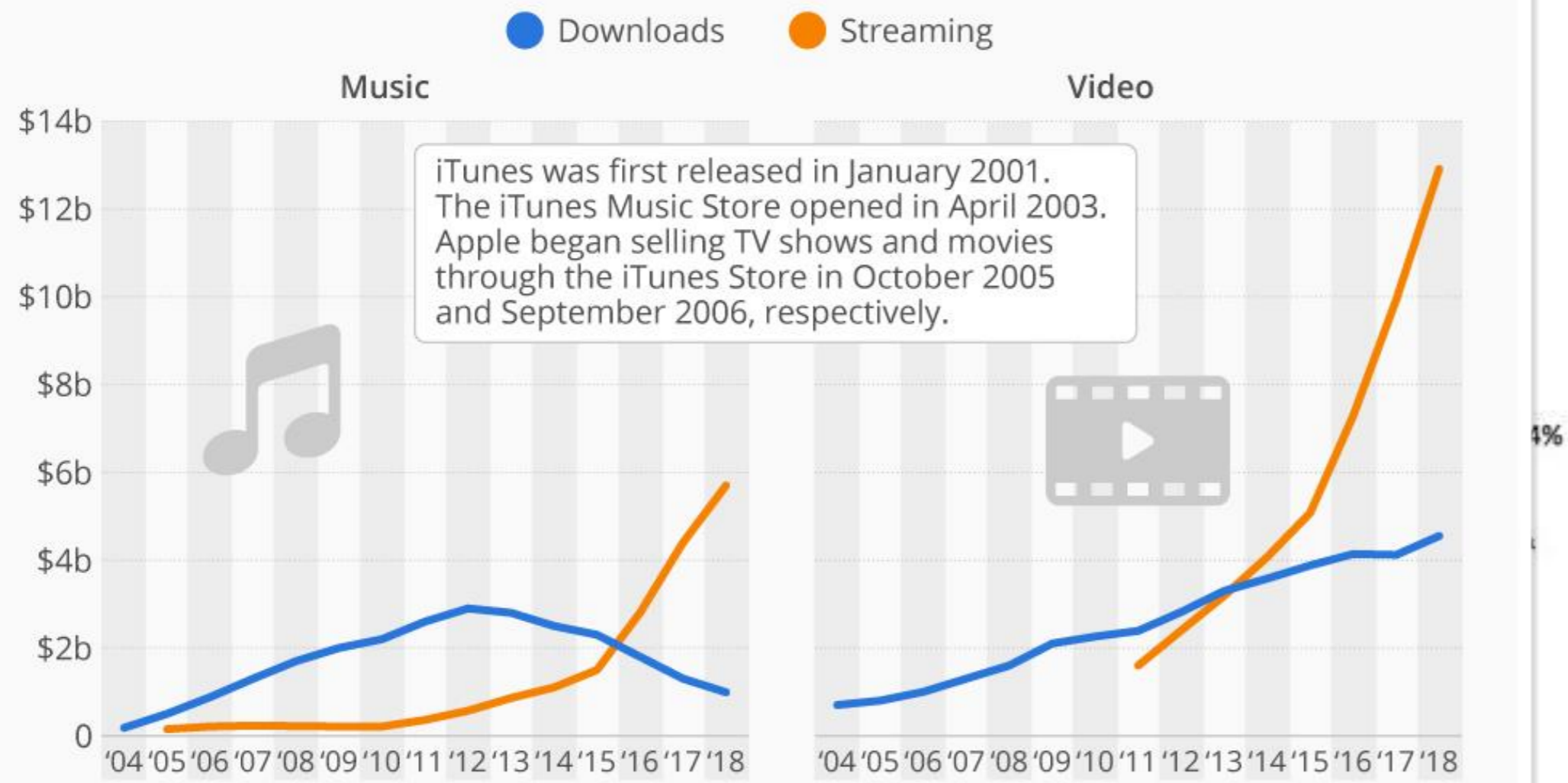
# Game changing moments



# Game changing moments

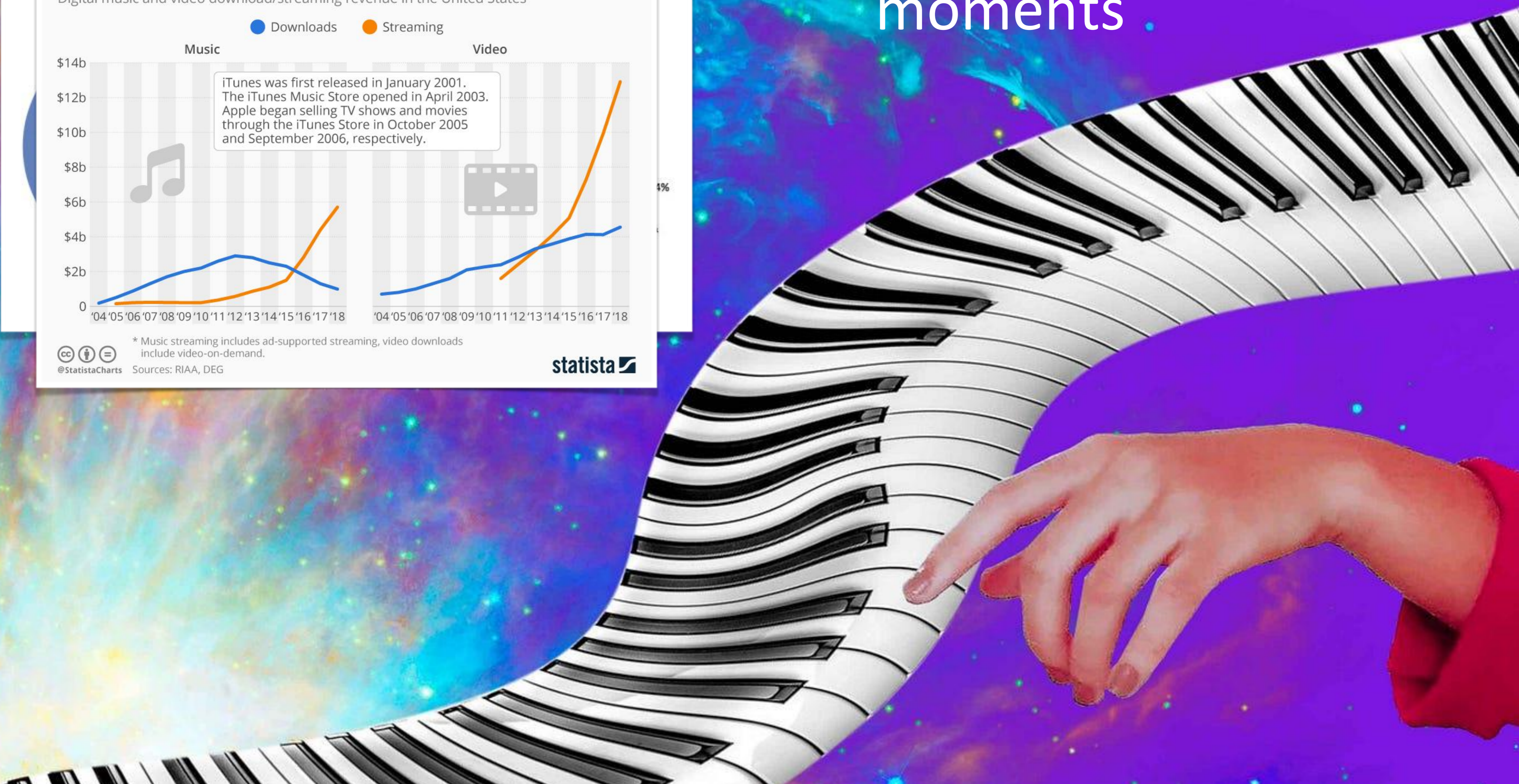
## iTunes Is a Relic From the Pre-Streaming Era

Digital music and video download/streaming revenue in the United States\*



\* Music streaming includes ad-supported streaming, video downloads include video-on-demand.  
Sources: RIAA, DEG

statista



# Game changing moments?

*This is Innovation*

## Technological doping: The science of why Nike Alphaflys were banned from the Tokyo Olympics

Runners wearing Nike's Vaporfly shoes took 31 of 36 podium positions at major marathons in 2019. Do they give an unfair advantage? And could it ever be fair?



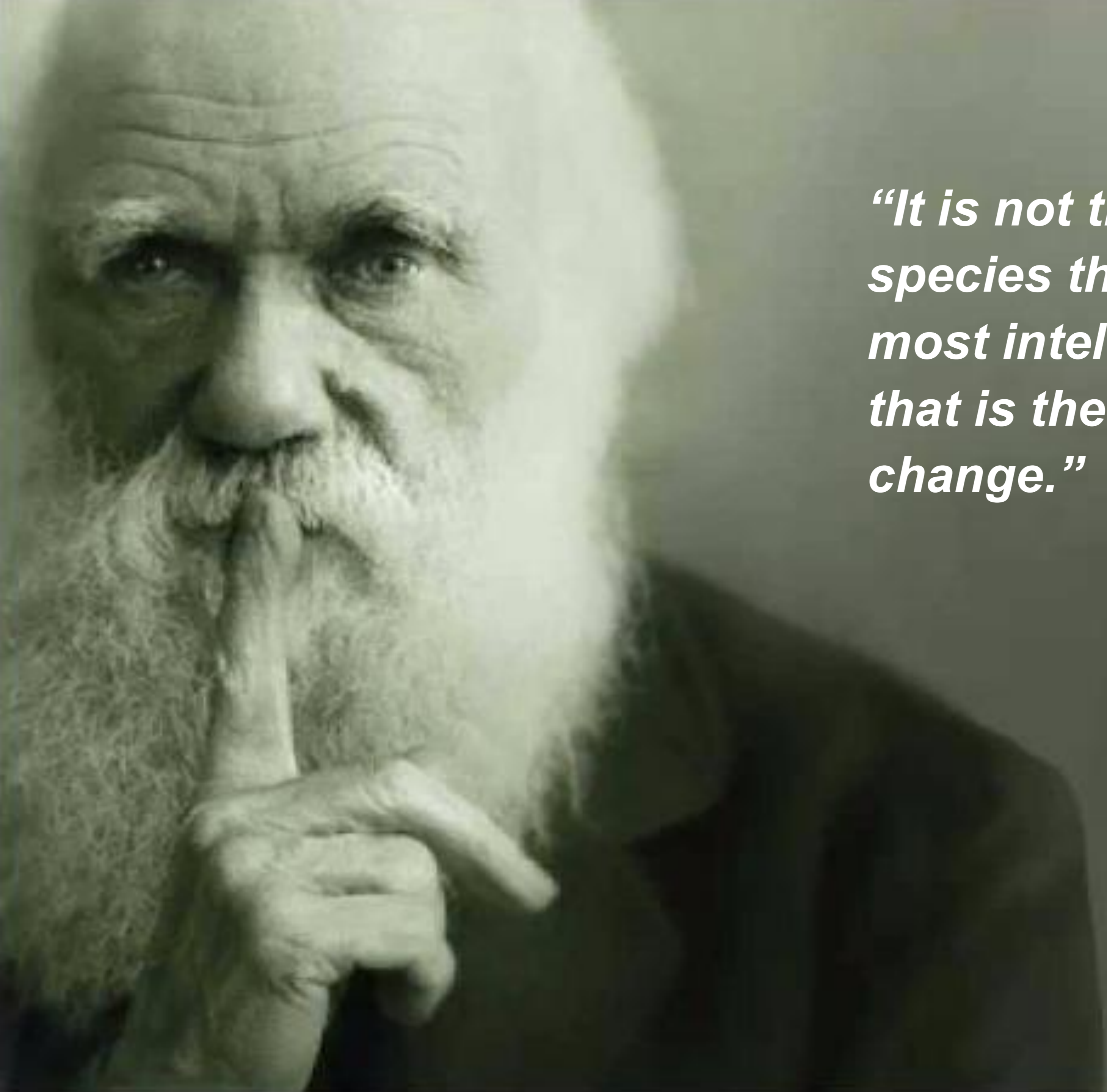
*The Pedagogysaurus*

*Education Market Concept of "Innovation"*



*This is Innovation*

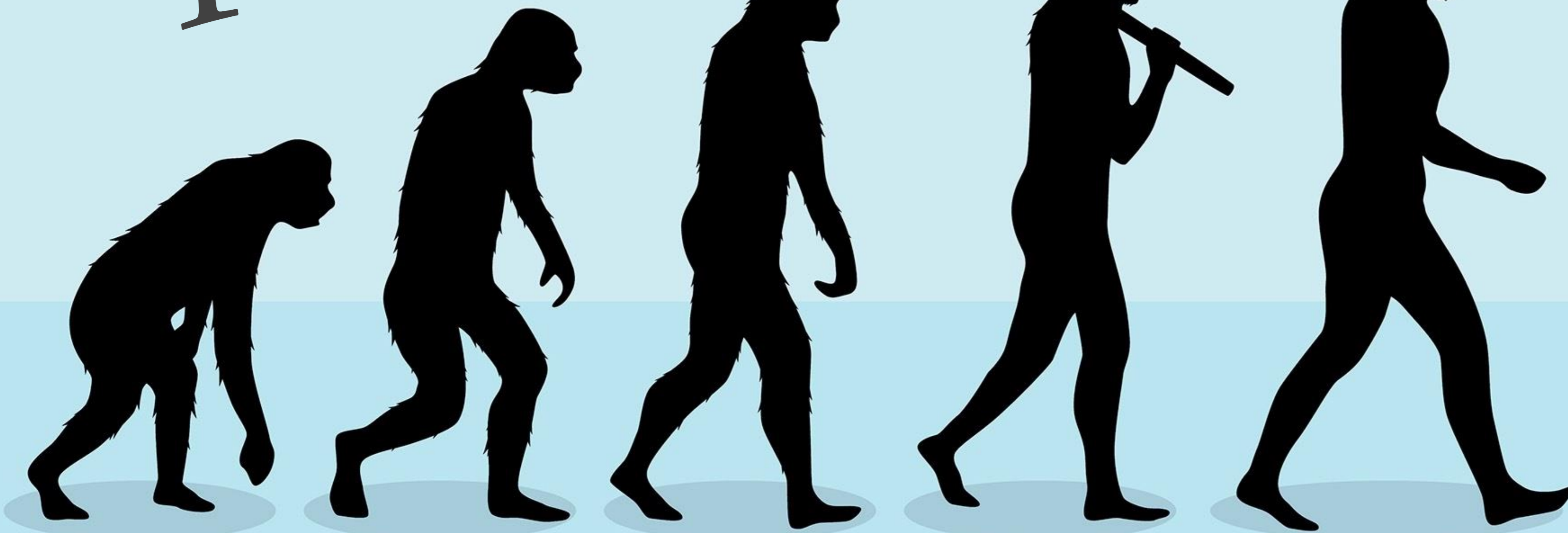




***“It is not the strongest of the species that survives, nor the most intelligent... it is the one that is the most adaptable to change.”***

**Charles Darwin**  
British Naturalist

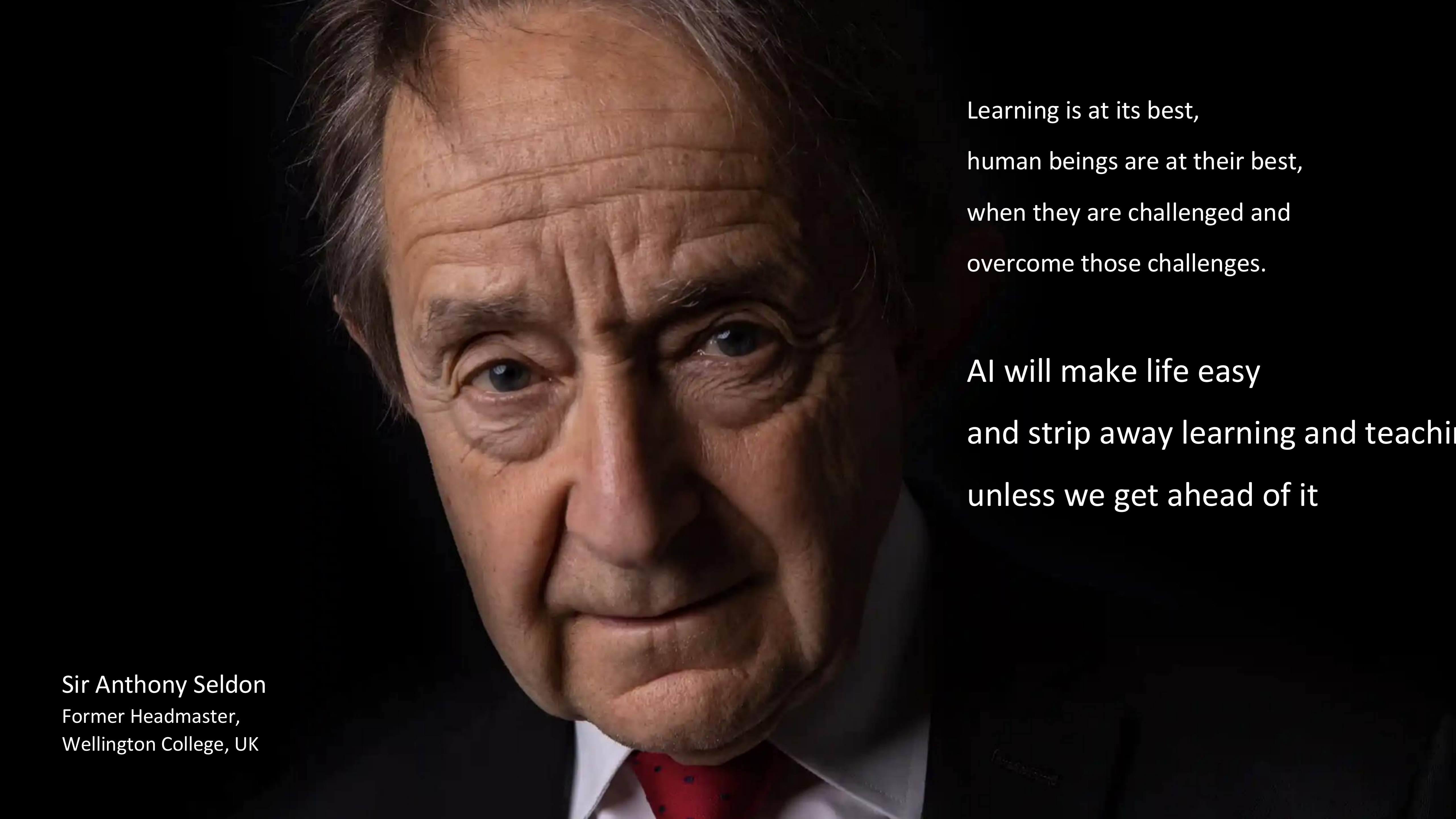
Your future?





*Is this the extent of students' future ambitions?*





Learning is at its best,  
human beings are at their best,  
when they are challenged and  
overcome those challenges.

AI will make life easy  
and strip away learning and teaching  
unless we get ahead of it

Sir Anthony Seldon  
Former Headmaster,  
Wellington College, UK

A composer can have all the talent of Mozart and a passionate desire to succeed, but ***if he believes he cannot compose music, he will come to nothing.***

***He will not try hard enough. He will give up too soon*** when the elusive right melody takes too long to materialize.

*Professor Marty Seligman*





“Am I concerned about the dilution of music from AI-generated content? Yes, I’m paying very close attention to it.”

**Robert Kyncl**  
Warner Music Group CEO





*“There will always be a role for teachers around well-being and compassion...”*

**David Bott**  
Former Associate Director of  
The Institute of Positive Education

*10 billion conversations and counting...*

**My AI**  
My AI of Snapchat

# The Future of AI in Education: 13 things we can do to minimize the damage

[Arran Hamilton](#) (Cognition Learning Group)<sup>1</sup>

[Dylan Wiliam](#) (University College London)

[John Hattie](#) (University of Melbourne)

8 August 2023

## Abstract

We may already be in the era of 'peak humanity', a time where we have the greatest levels of education, reasoning, rationality, and creativity – spread out amongst the greatest number of us. A brilliant result of the massification of universal basic education and the power of the university.

But with the rapid advancement of Artificial Intelligence (AI) that can already replicate and even exceed many of our reasoning capabilities – there may soon be less incentive for us to learn and grow. The grave risk is that we then become de-educated and de-coupled from the driving seat to the future.

In all the hype about AI, we need to properly assess these risks to collectively decide whether the AI upsides are worth it and whether we should 'stick or twist'. This paper aims to catalyse the debate and reduce the probability that we sleepwalk to a destination that we don't want and can't reverse back out of. We also make 13 clear recommendations about how AI developments could be regulated - to slow things down a little and give time for informed choices about the best future for humanity. Those potential long-term futures include: (1) AI Curtailment; (2) Fake Work; (3) Transhumanism; and (4) Universal Basic Income – each with very different implications for the future of education.

**Additional Keywords and Phrases:** Future of Work; Purposes of Education; Artificial General Intelligence; AI Regulation; Deskilling of Humans; Brain-Computer Interfaces; Universal Basic Income; Fake Work; Transhumanism.



*De-coupled*

*De-educated*

# SO WHAT HAVE WE LEARNT...?

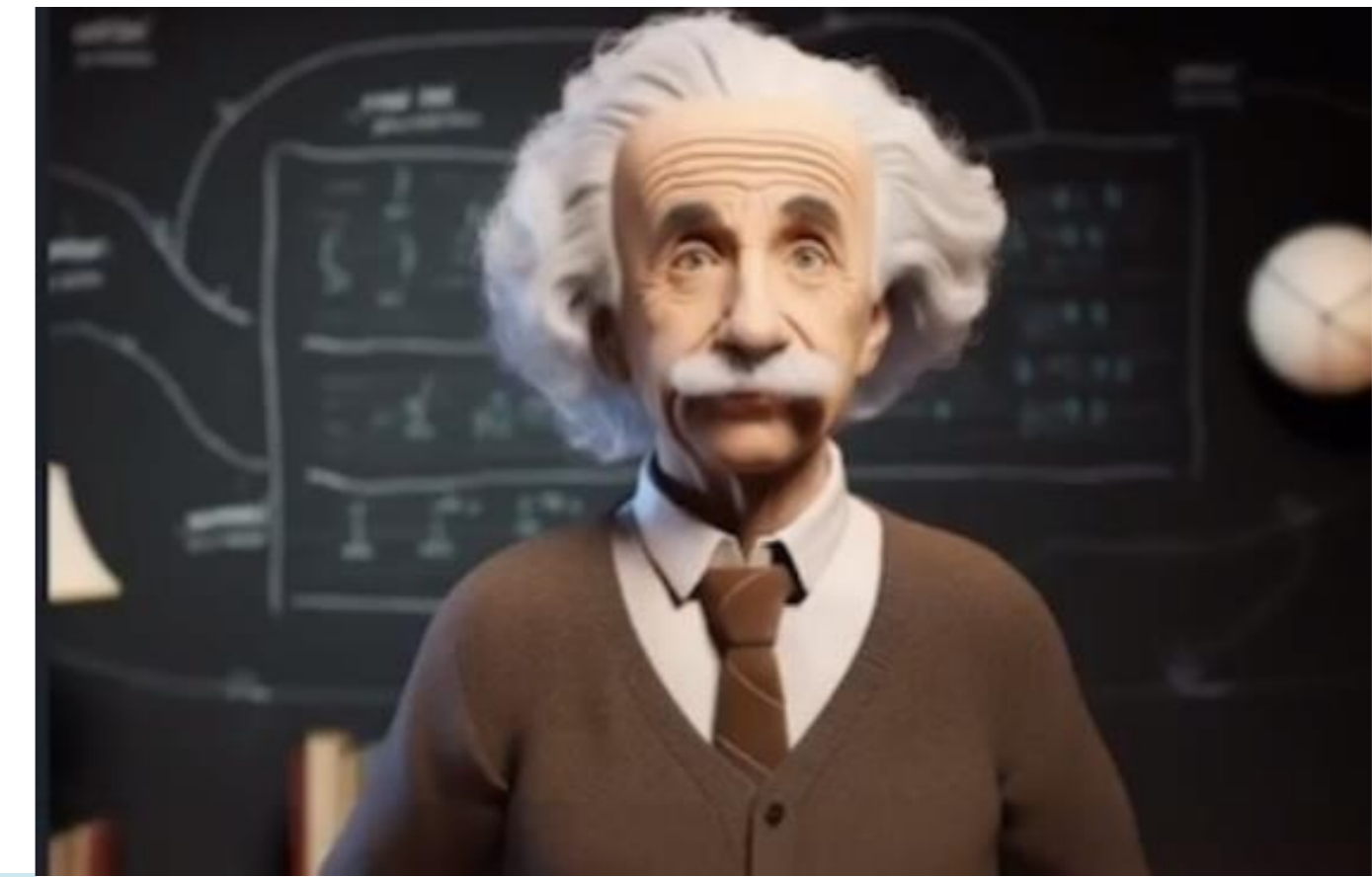


01

*In case you didn't realize, it has already happened*

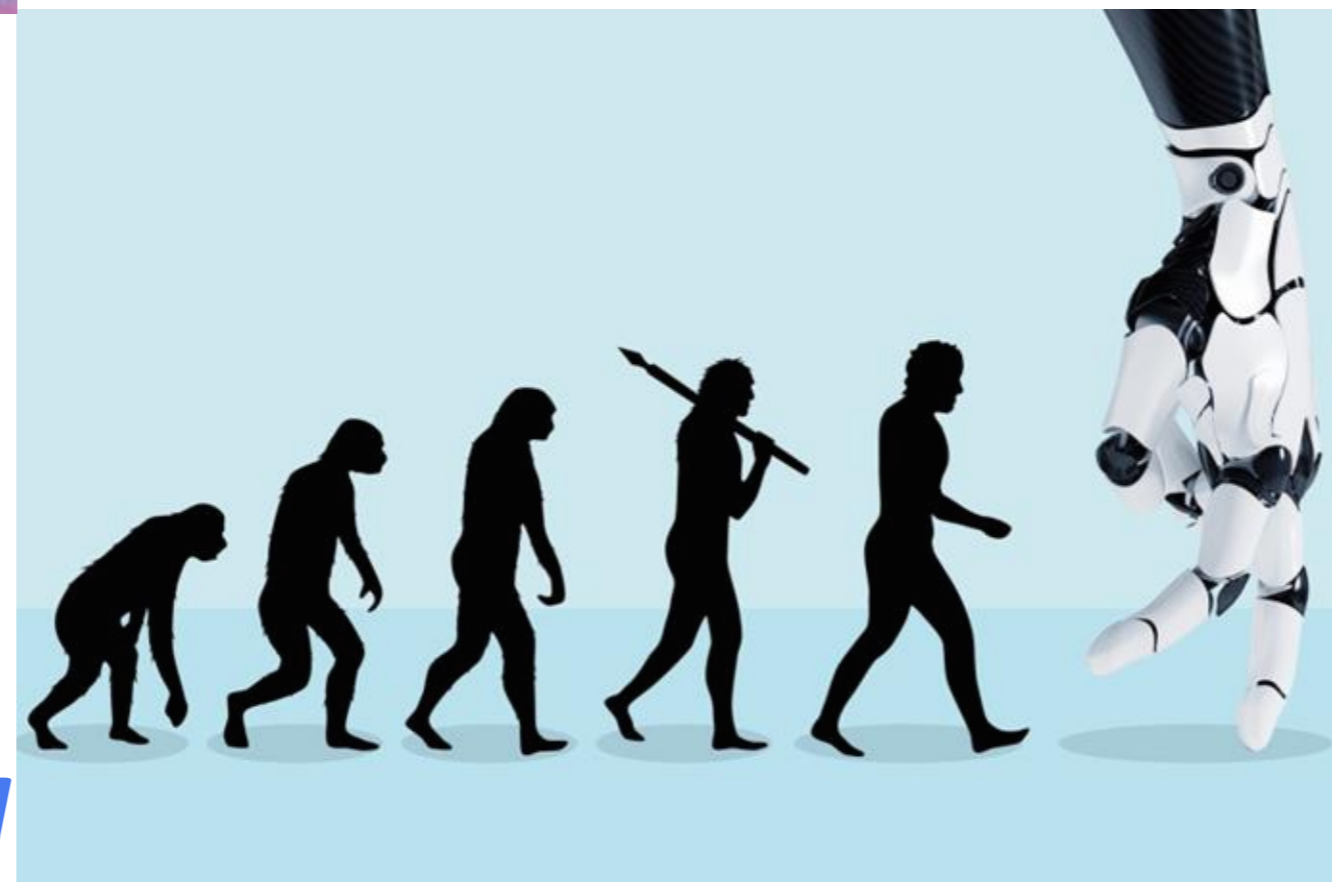
02

*Teaching will change forever*



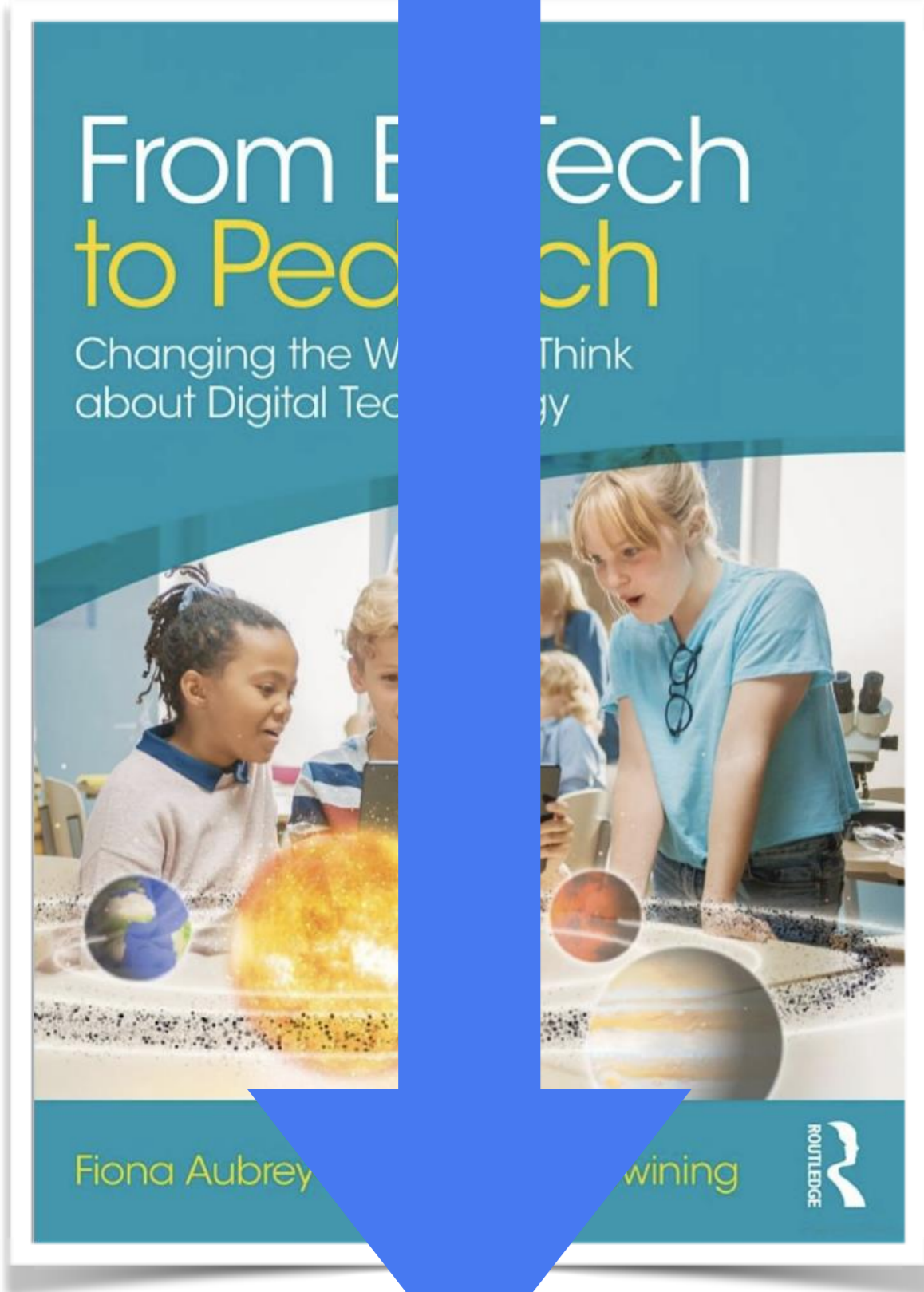
03

*Learning will change forever*

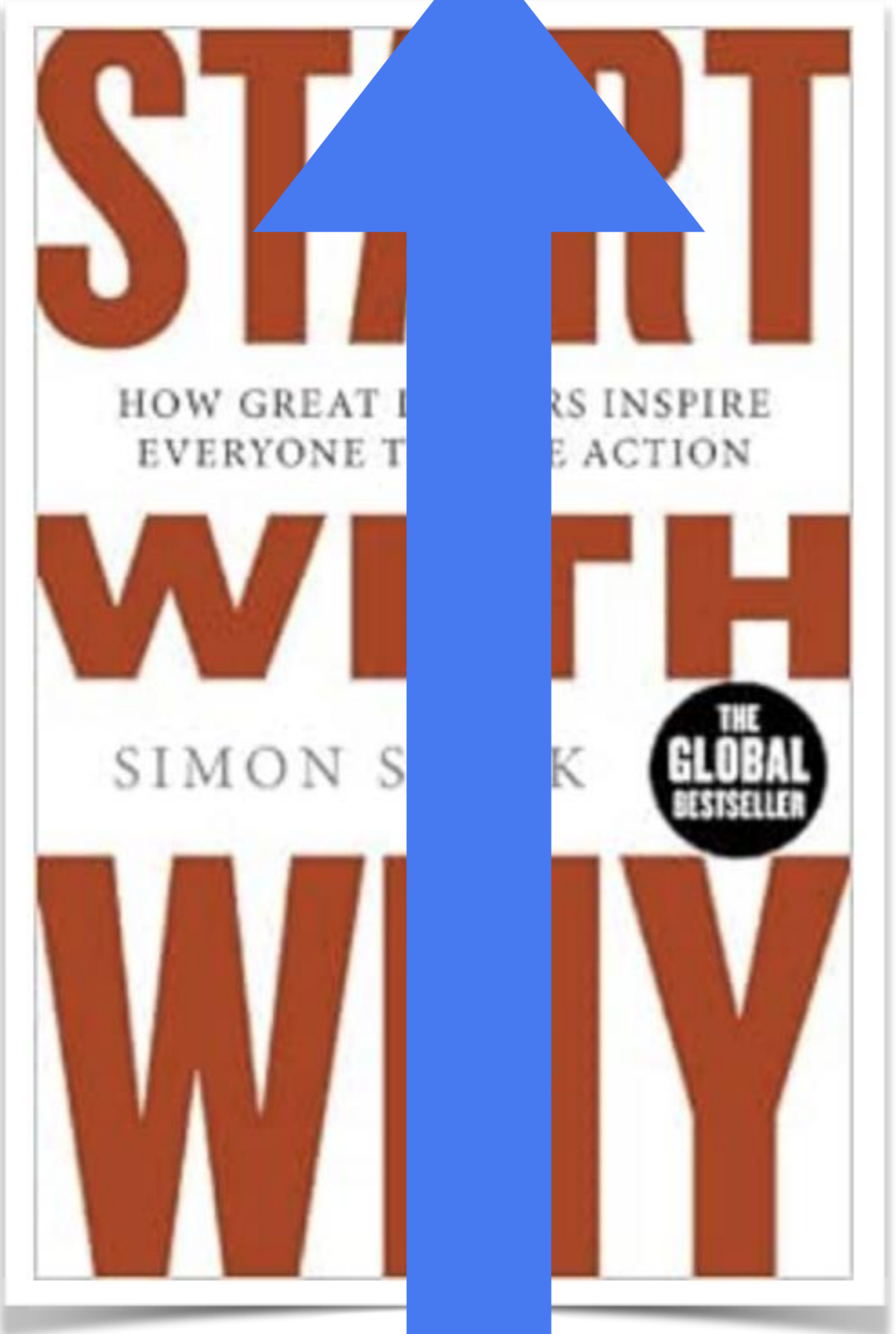


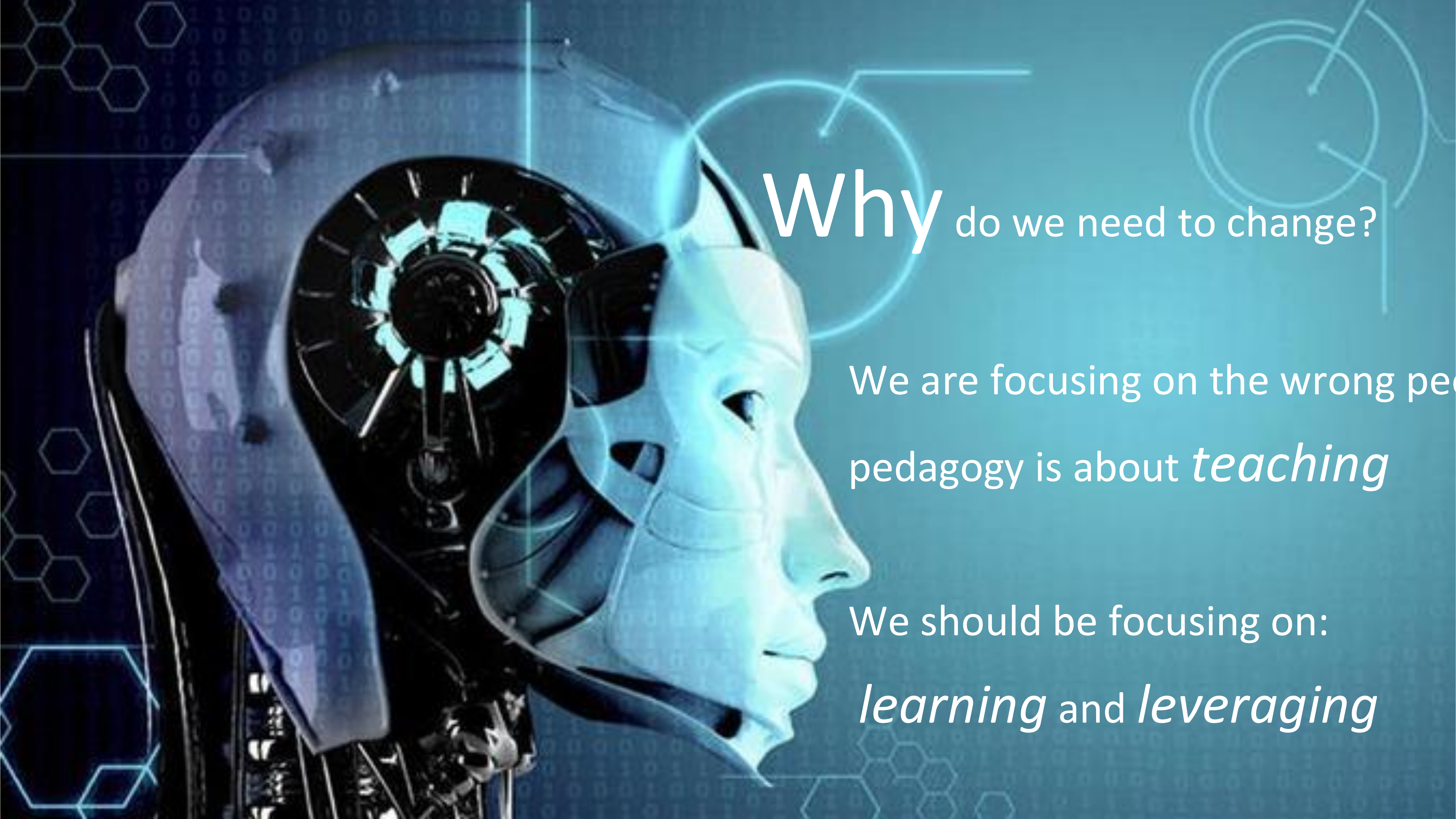
# HOW TO... WHY?

Metacognitive 'why?'



Pedagogical 'why?'






Why do we need to change?

We are focusing on the wrong people  
pedagogy is about *teaching*

We should be focusing on:  
*learning* and *leveraging*

A hand in a dark suit sleeve holds a glowing blue tablet. Above the tablet is a glowing blue digital brain graphic composed of circuit lines and nodes. The background is dark blue with bokeh light effects.

The shift from EdTech to PedTech  
is *necessary*, to help leaders  
and teachers to focus on

**why we teach** ~~what~~ **what we teach**

... but it is not *sufficient*



# How Teachers Teach How Learner leverage



# How Teachers Teach Learners to Leverage



‘The camera never lies’.

2023



2024

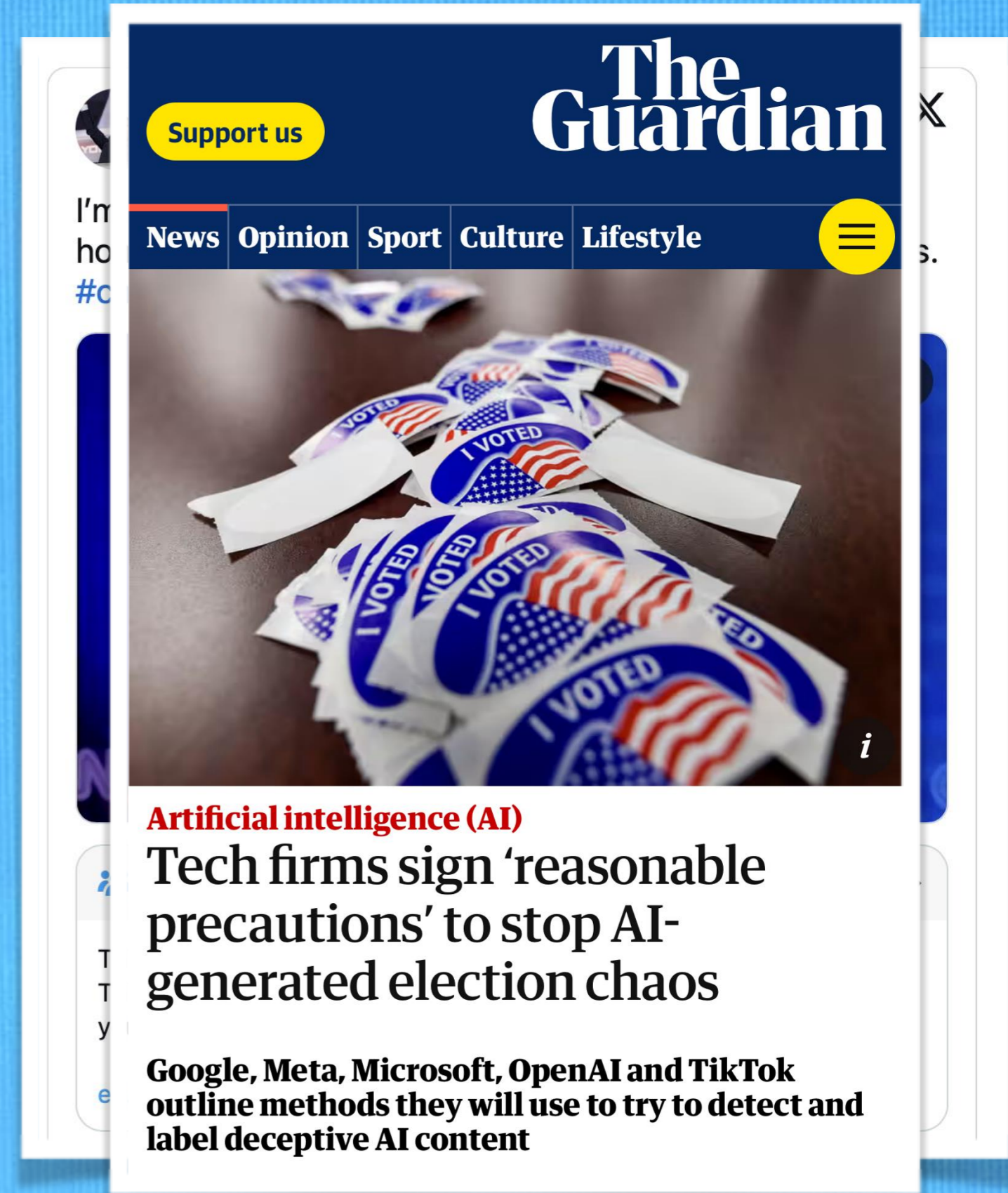


500,000 deepfake videos  
posted in social media 2023  
450 million in 2025

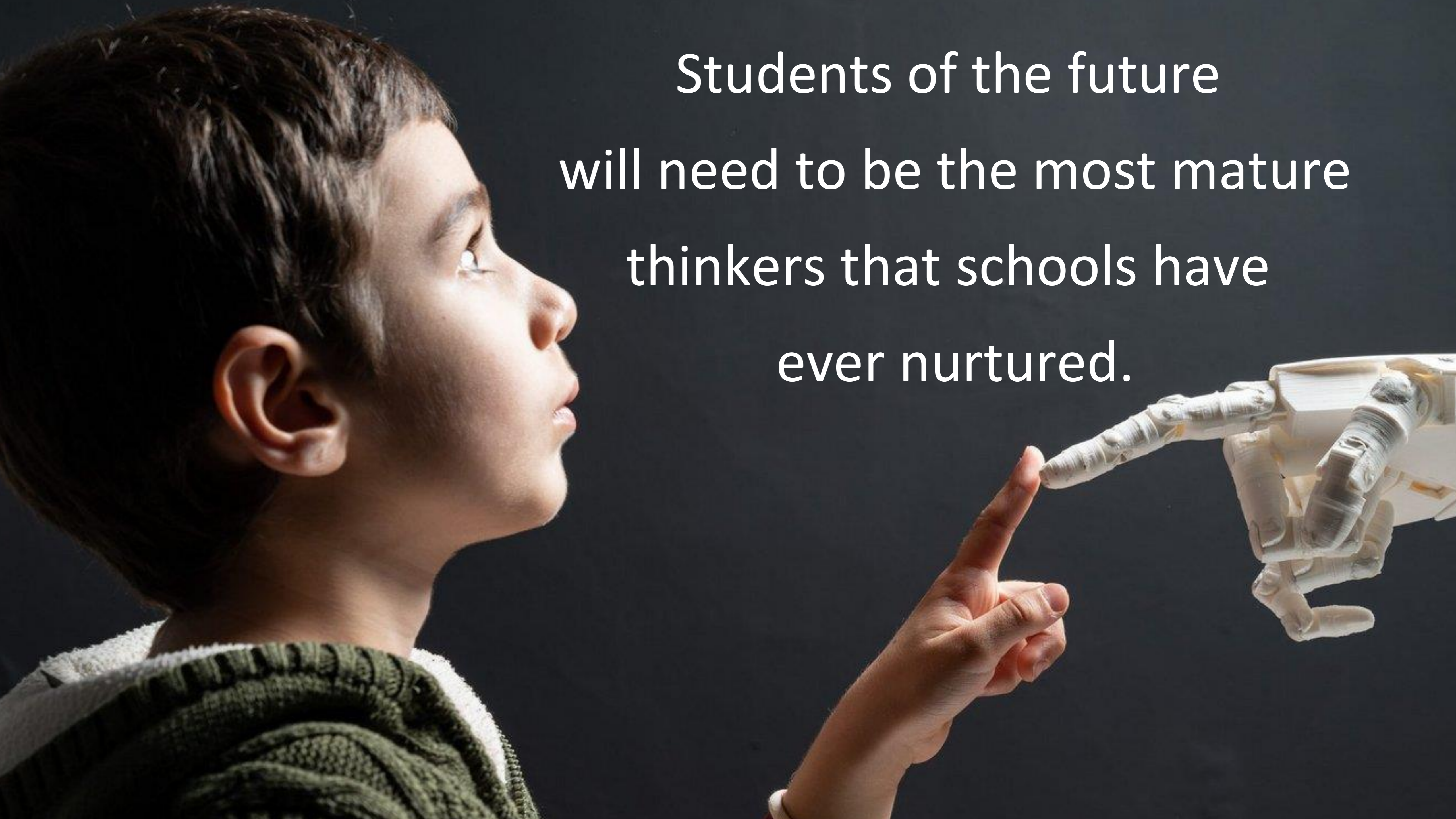
Cost of voice cloning:  
\$10,000 in 2022 vs \$free in 2025

“Election integrity is a  
significant area of concern”

Sam Altman,  
CEO, OpenAI



Students of the future  
will need to be the most mature  
thinkers that schools have  
ever nurtured.



# How Teachers Teach Learners to Leverage



*De-coupled?*



*More coupled than ever before*



