

**COMPUTER**

**SAYS YES**





# The best way to predict the future is to create it - Abraham Lincoln

Today's objective:  
Create insight to incite change

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## Objectives

Immerse in new tech advances

Learn how strategy and simulation combine

Be immersed in a story of the future





# I'm a change maker

Distilling >20 years management and leadership experience to help innovators to thrive.

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- 1 Children and Young People's Trust enabling strategy, performance management and partnerships
- 2 Health = technology International speaker and disrupter, including national policy

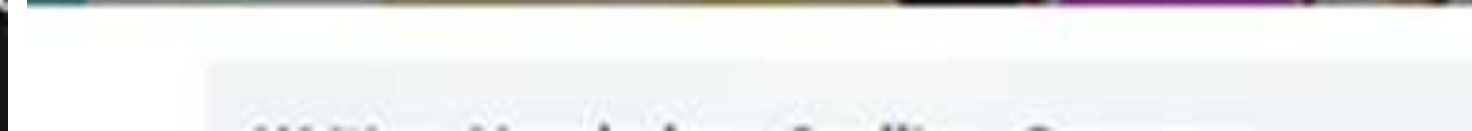
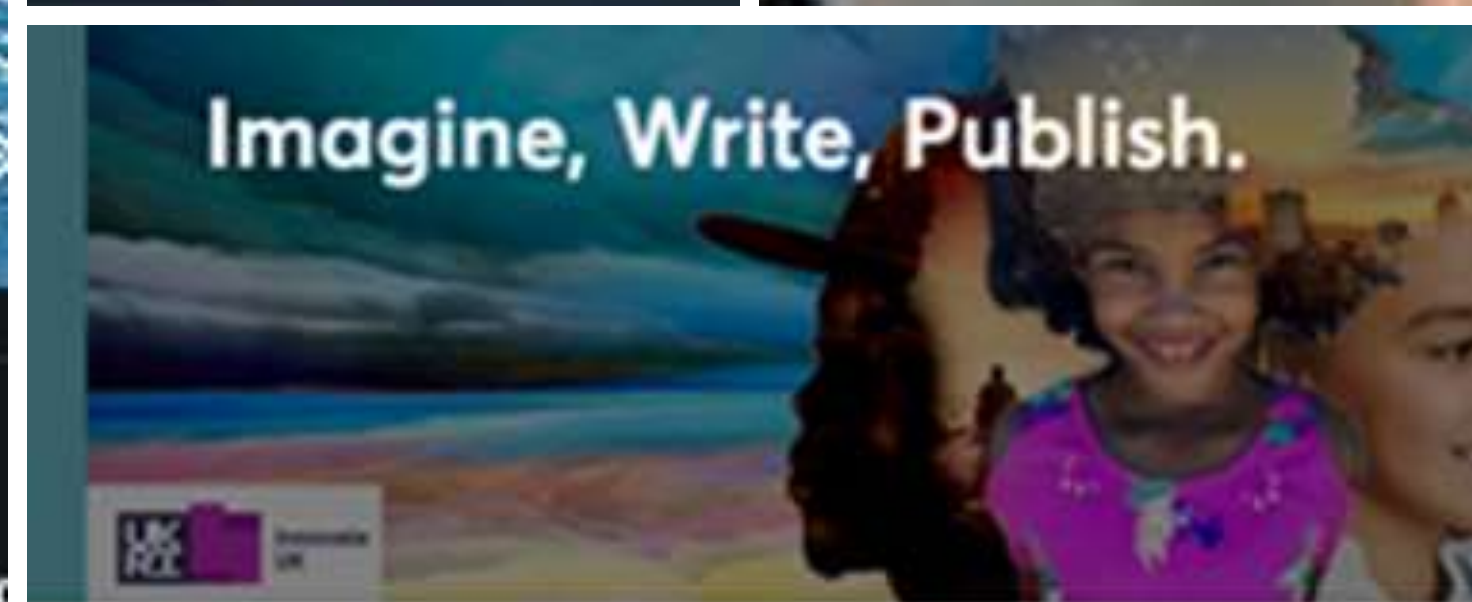
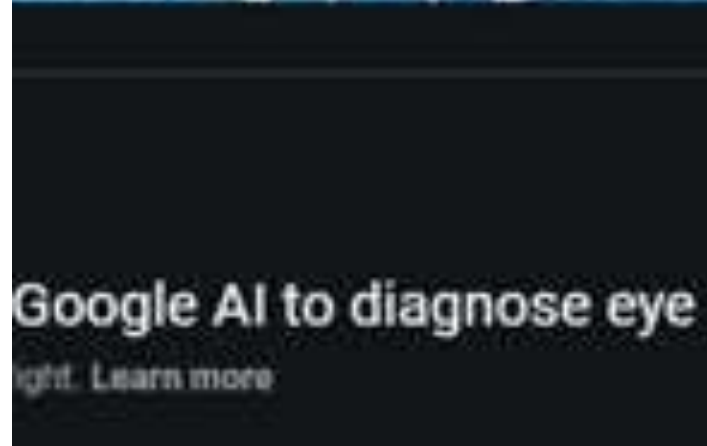
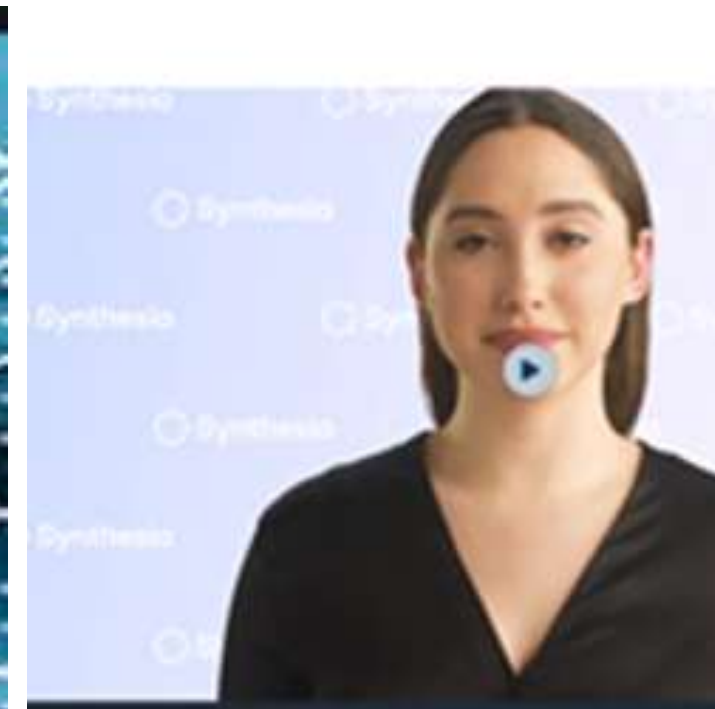
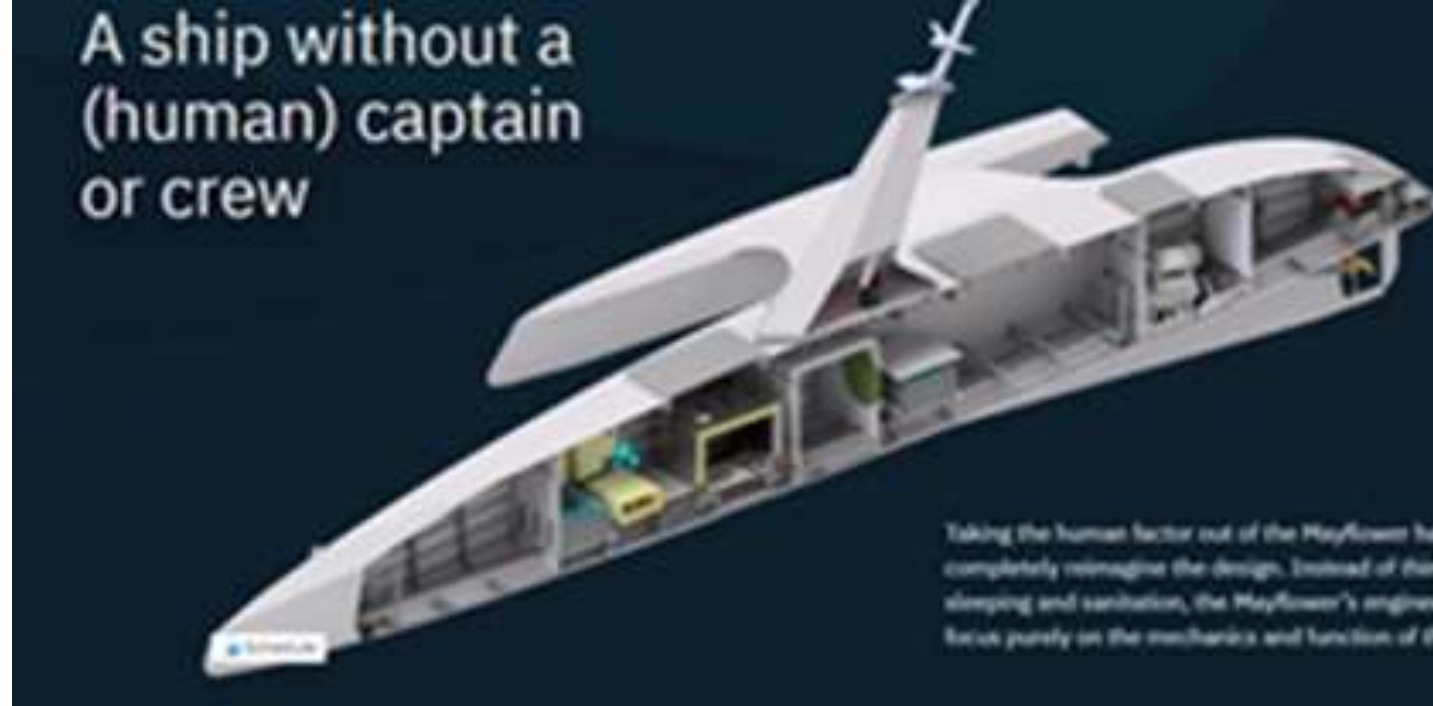


# A glimpse into AI advances



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Technology advances, inc  
data integration  
images and decision aids  
24/7 tools and sentiments  
animation and video





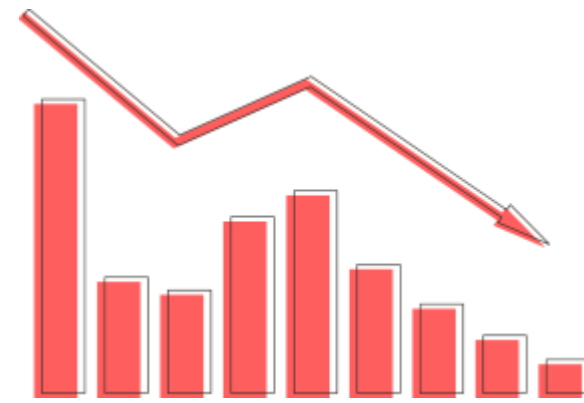
# Future gazing and future shaping

Core business strategy that can build in resilience and preparedness - but more fun.



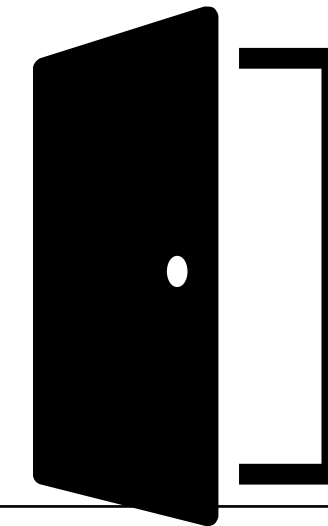
## *Futures insights and megatrends*

Published thought pieces on the future of the planet. How will technology shape industry? What are the key social trends?



## *Future oriented BI*

Using data to predict trends in order to intervene. Using data to ask smarter questions, to solve unknown problems. Digital twins .



## *Strategic planing and uncertainty*

The response to the stimulus, the application of energies. Creating a safe place to play, innovate and disrupt.

# Strengthen innovation and corporate entrepreneurship



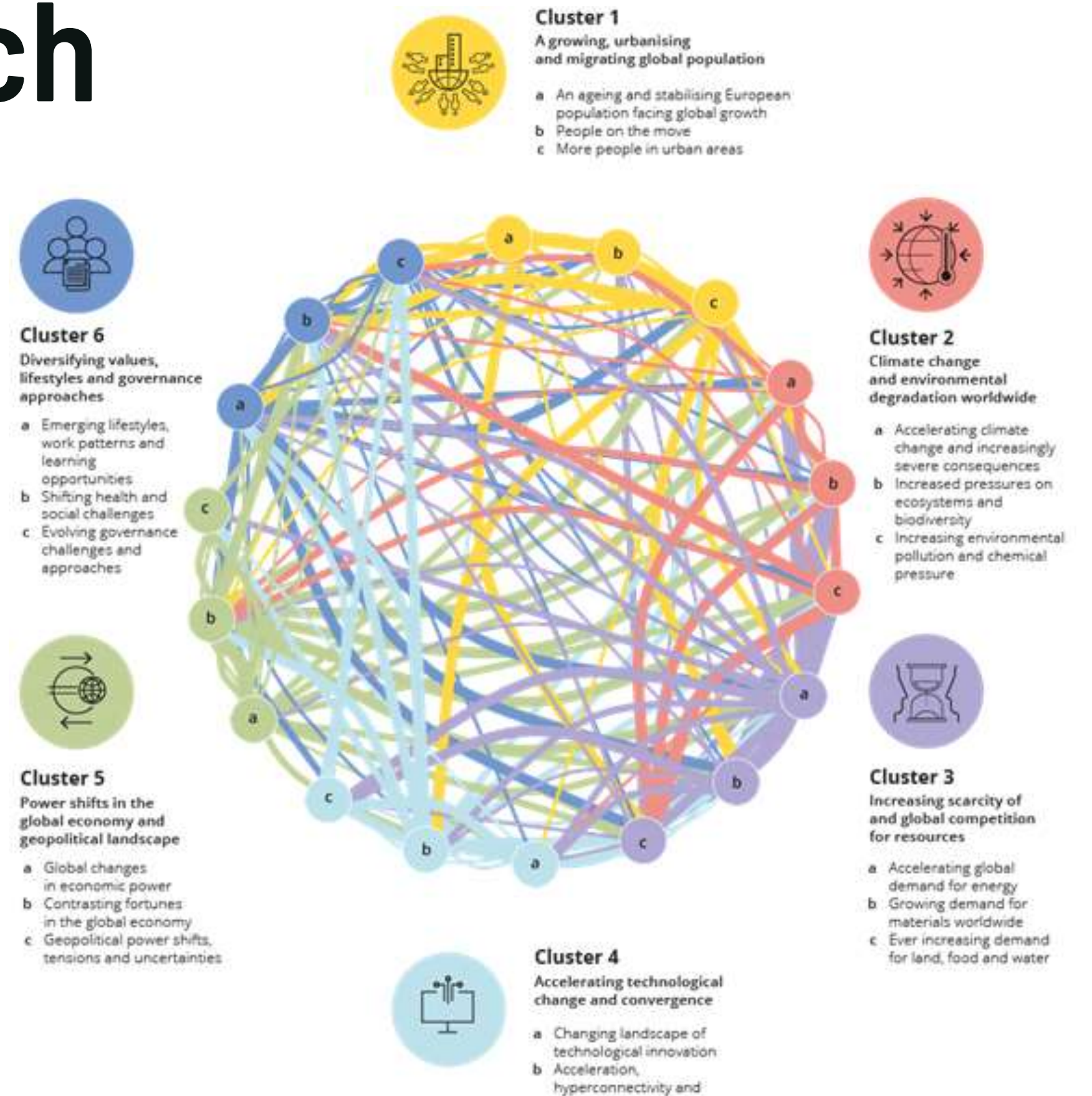
- 1 reduce numerous wild guesses
- 2 guide thinking
- 3 spot opportunities
- 4 build resilience

# Megatrend research

Global trends are well documented by thought leaders, including

- technology
- ageing population
- urbanisation
- enterprise
- climate change

But are often disconnected from day-to-day reality





# FUTURE OF SCHOOLS





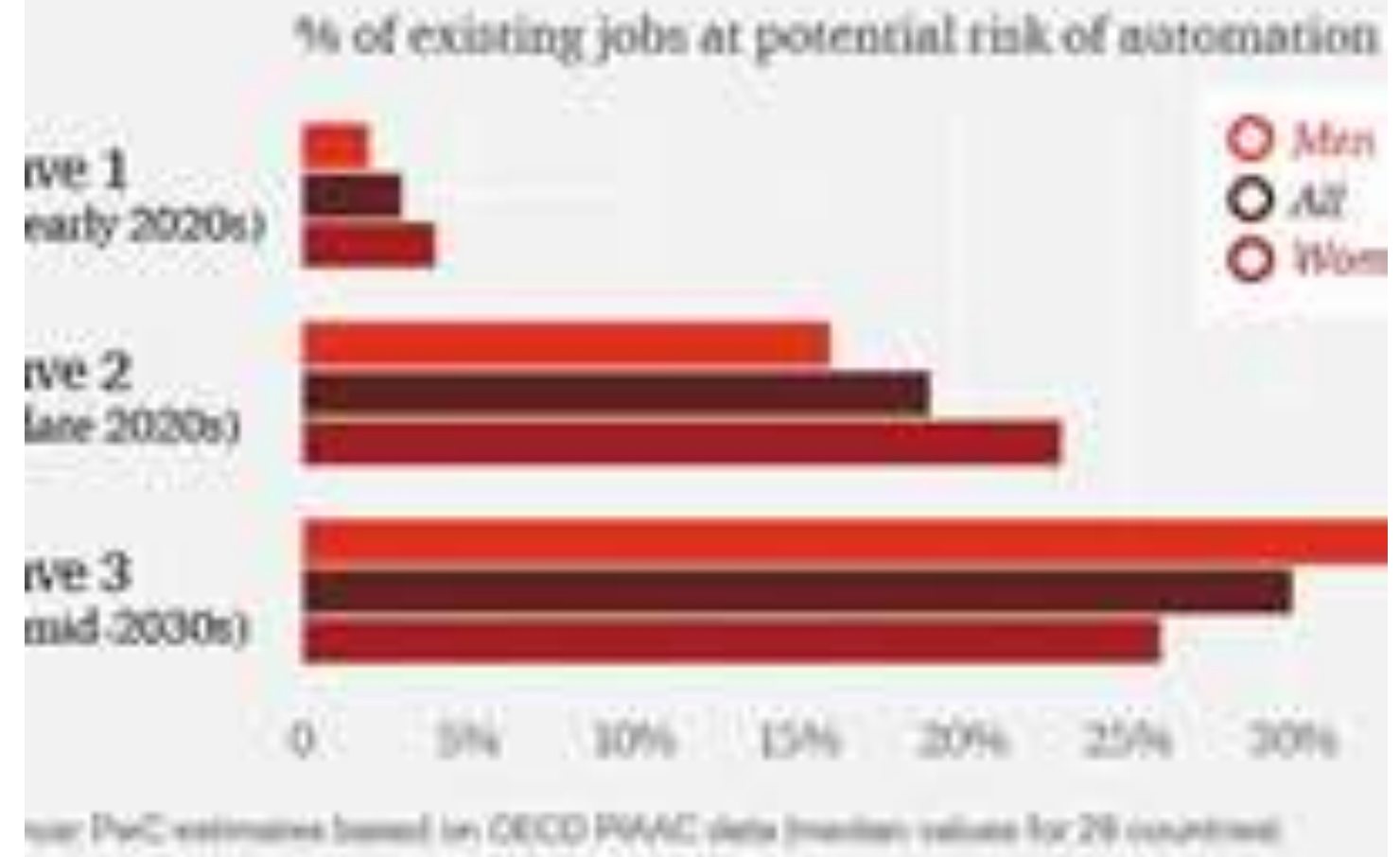
# Let's focus on automation and technology

2018 studies highlight employment impact of automation.

Research finds teaching as safest profession – 1% jobs at risk of automation.

But how do market trends like multi-academy trusts and pandemic alter this?

Women workers could be more affected by automation over the next decade, but male jobs could be more at risk in the longer term



More than 6m workers fear being replaced by machines - report

Government and trade unions urged to do more for those at risk from new technologies



robots threaten 15m UK jobs, say of England's chief economist

results of the Bank's study. Andy Haldane said, suggested that administrative, clerical and production tasks were most at risk



half of UK's furloughed workers fear automation - report

highlighting change, study by Fabian



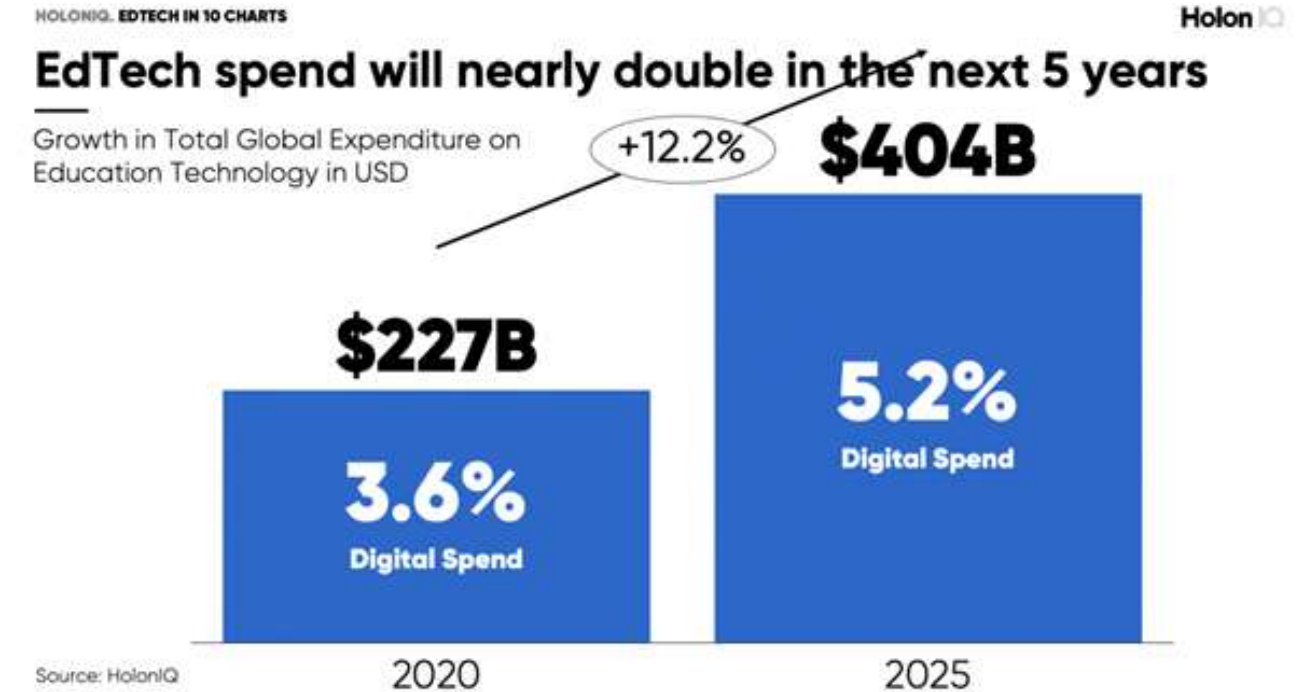
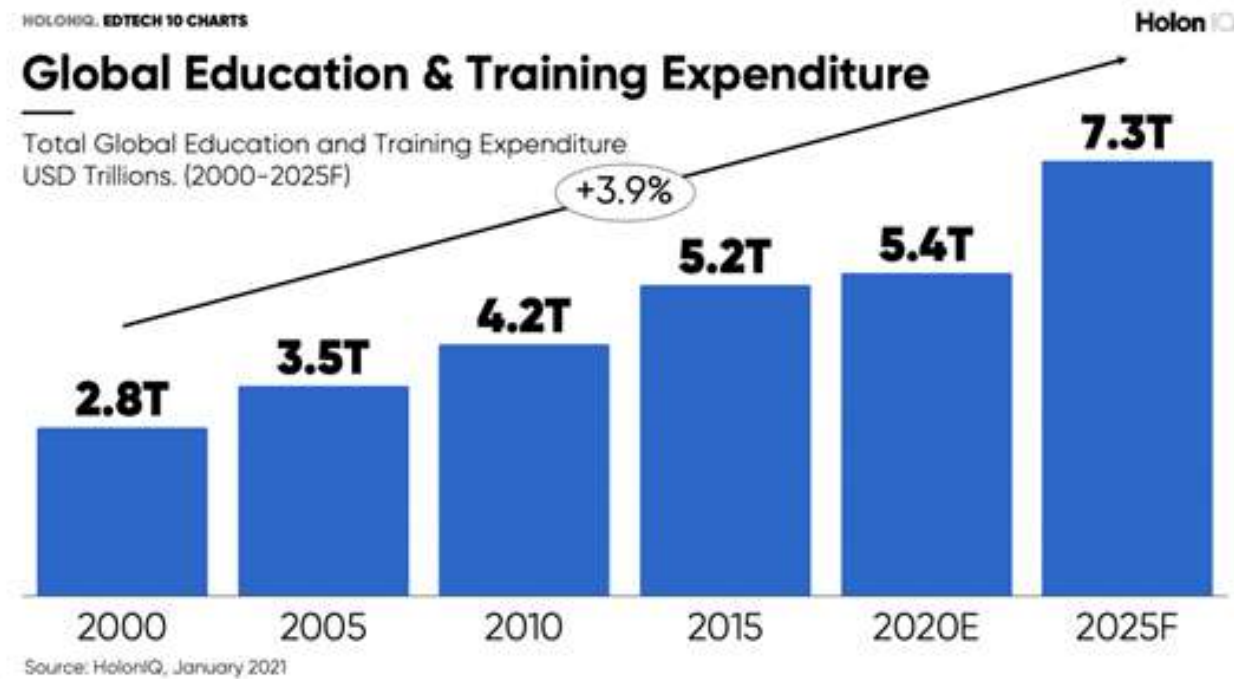
Advanced automation, such as Ocado, have thrived



# Because investors are rushing in

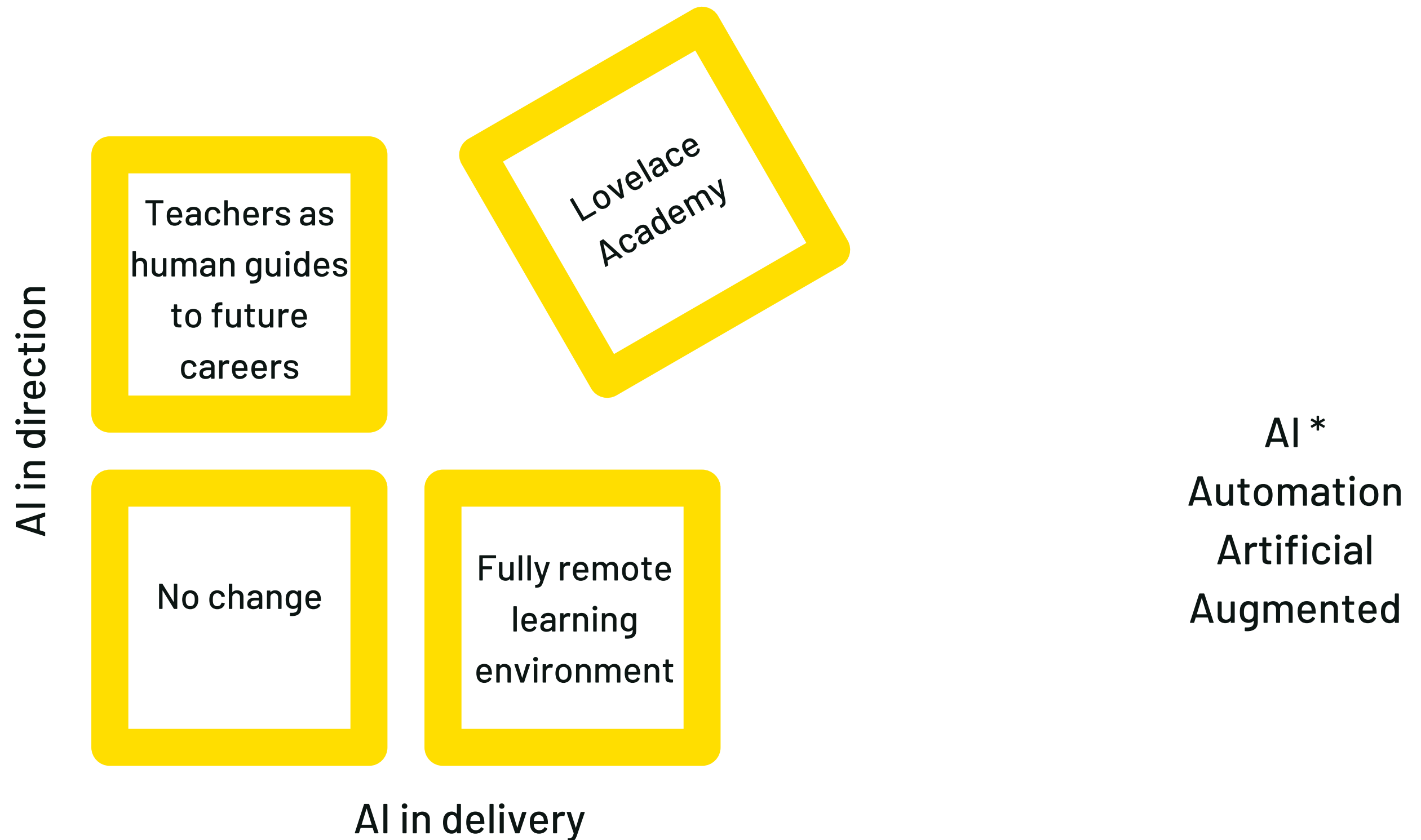
China and Ukraine are leading globally on EdTech development and the investment market is booming, growing to exceed \$404BN in 2025

Similar conditions to Health Tech 2-3 years ago – risk of mismatch between solutions and problems





# Explore four different scenarios





## **Enhanced security**

Sam, aged 7, goes to the local pod. After his face has been scanned for biometric security and today's registration he's let in the outer gate. In the playground he sees his friends and they run around playing catch before the music starts to encourage them to line up outside the classroom.

## **Automated non-value adding activities**

In the classroom the children are split to work in tables aligned with their learning preferences. The big screen lights up and they are greeted by Mr Turing who welcomes them to the day and encourages them to say more about what they'd like to learn today.

## **Personalised education planning**

Sam's test scores have already indicated that he'd be great counsellor in the future so its no surprise that he's interested in reading time. His arm goes straight up.



## **Flexible curriculum**

Each day, the teacher takes a vote on the first three suggestions and delivers a lesson based on the winner.

## **Inject fun**

Today's winning vote was for volcano and the children are treated to an animation about how volcanos erupt and are able to see videos streamed of the eruption in Hawaii last week. To reassure the children, Mr Turing references an ancient Japanese poem about the power of volcano and the growth that follows an eruption. The children are asked whether they have questions that they would like to send to a peer group in Tokyo.

## **Global Connections**

## **World events**

After the break, the children share a class with a group of children in Morocco taught by two avatar teachers who generate images to represent English and French words with culturally appropriate items. Sam loves this as it gives him an insight into a completely different world. The children take part in a Lego building race where each team must put together a tower with a different colour block – of course all instructions are in a different language.

## **Deeper learning**

## **Integrated STEM activities**



**Lessons adapted to learning styles – no child left behind**

After lunch, the children learn about maths. This isn't a strong area for Sam but after a few adjustments, Mr Turing has found that the use of boxes to break down the problem works for Sam and he isn't behind the other children in the class.

**Accelerated changes to curriculum to suit workforce needs**

Mrs Hopper, the avatar headteacher introduces a new topic later that day which covers nutrition. Workforce studies consistently show that when Sam graduates algorithmic dietitians will be in short supply.

**Engaged**

Mrs Hopper has been able to combine emerging research in food technology (adjusted for seven year old audiences) with more traditional lessons to help engage children in their personalised health plans and start to spot children who may be interested in this as a future job.

**Parents engaged in learning**

Sam's dad picks him up from school. Even though the driverless bus is safe enough, Sam's dad still loves their little chats and is fascinated to the children's learning journey.

**Wrap around media to be a full partner**

While he's waiting in the playground for Sam to run out, an email pops through which gives high level feedback about Sam's performance and attention that day with recommended questions to ask that evening to help reinforce Sam's learning and links to the Hawaii volcano disruption video!

**Realtime feedback on performance, eliminating need for stressful exams**

At home, the media system offers a range of entertainment that helps keep the conversation going and spaced repetition allows greater retention.



**What questions emerge for you?**

**What benefits can you see?**

**What risks can you see?**

**What opportunities would you build into your school now?**

**What changes would you make to prevent the fallout of that future?**