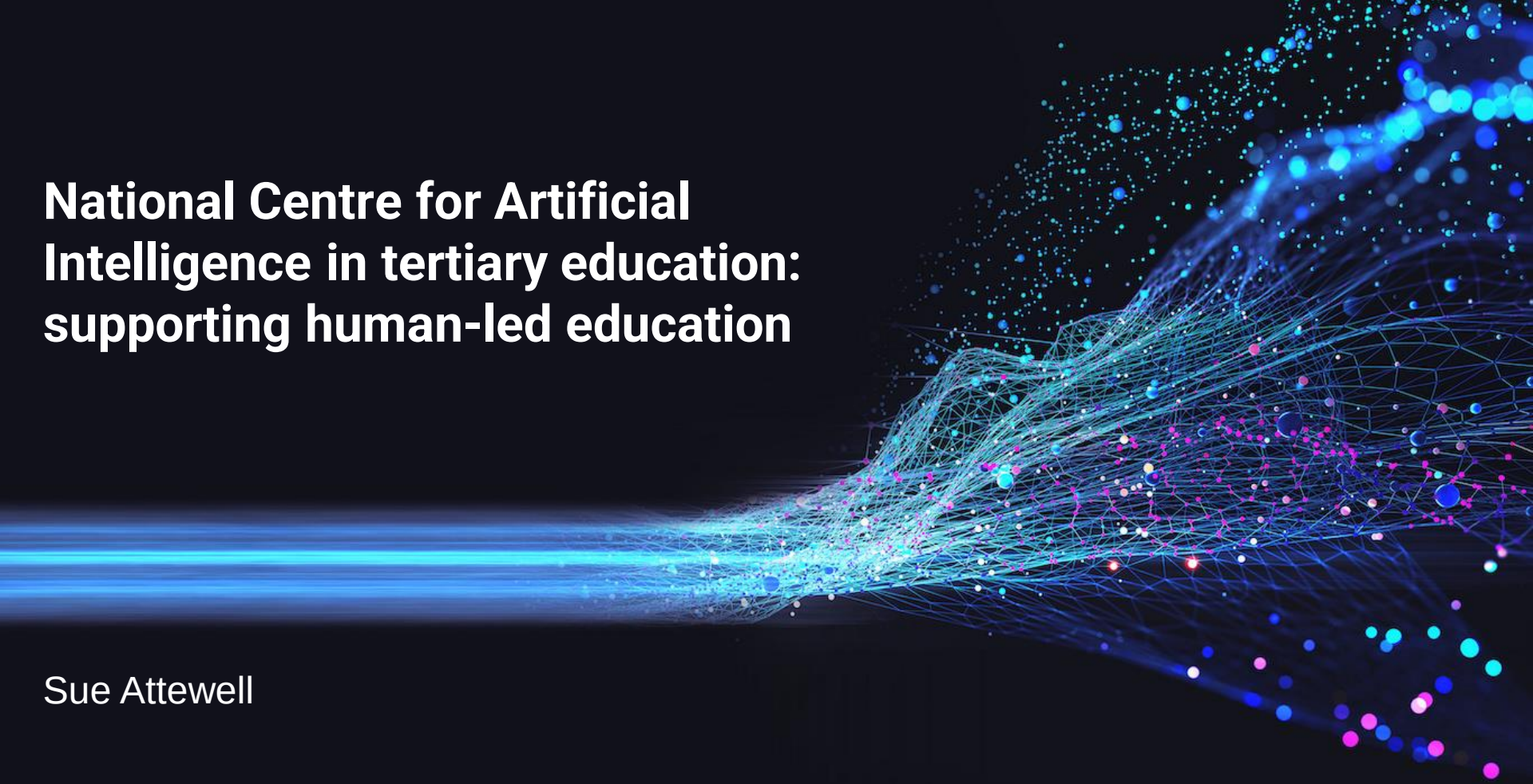
National Centre for Artificial Intelligence in tertiary education: supporting human-led education



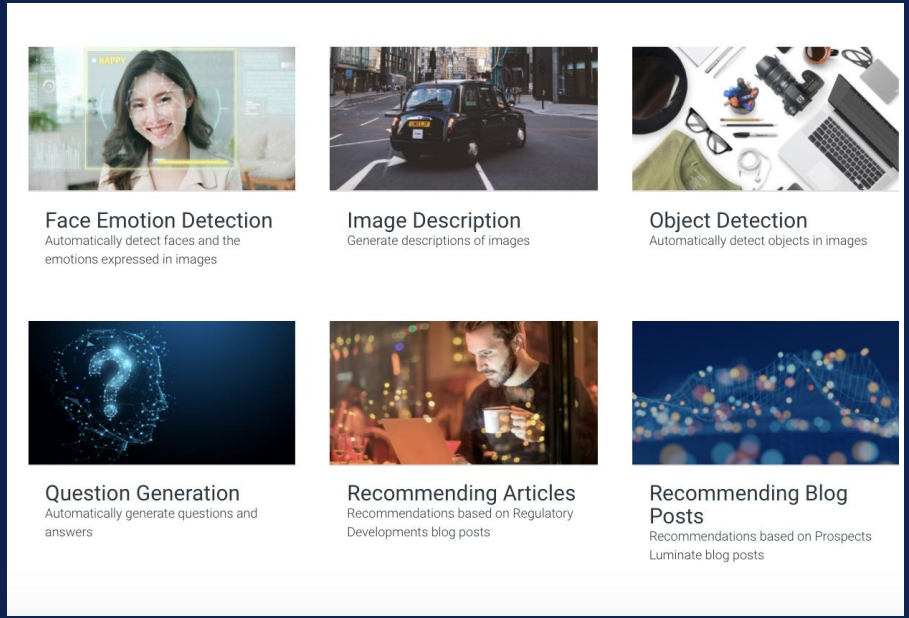
Sue Attewell

June 2023

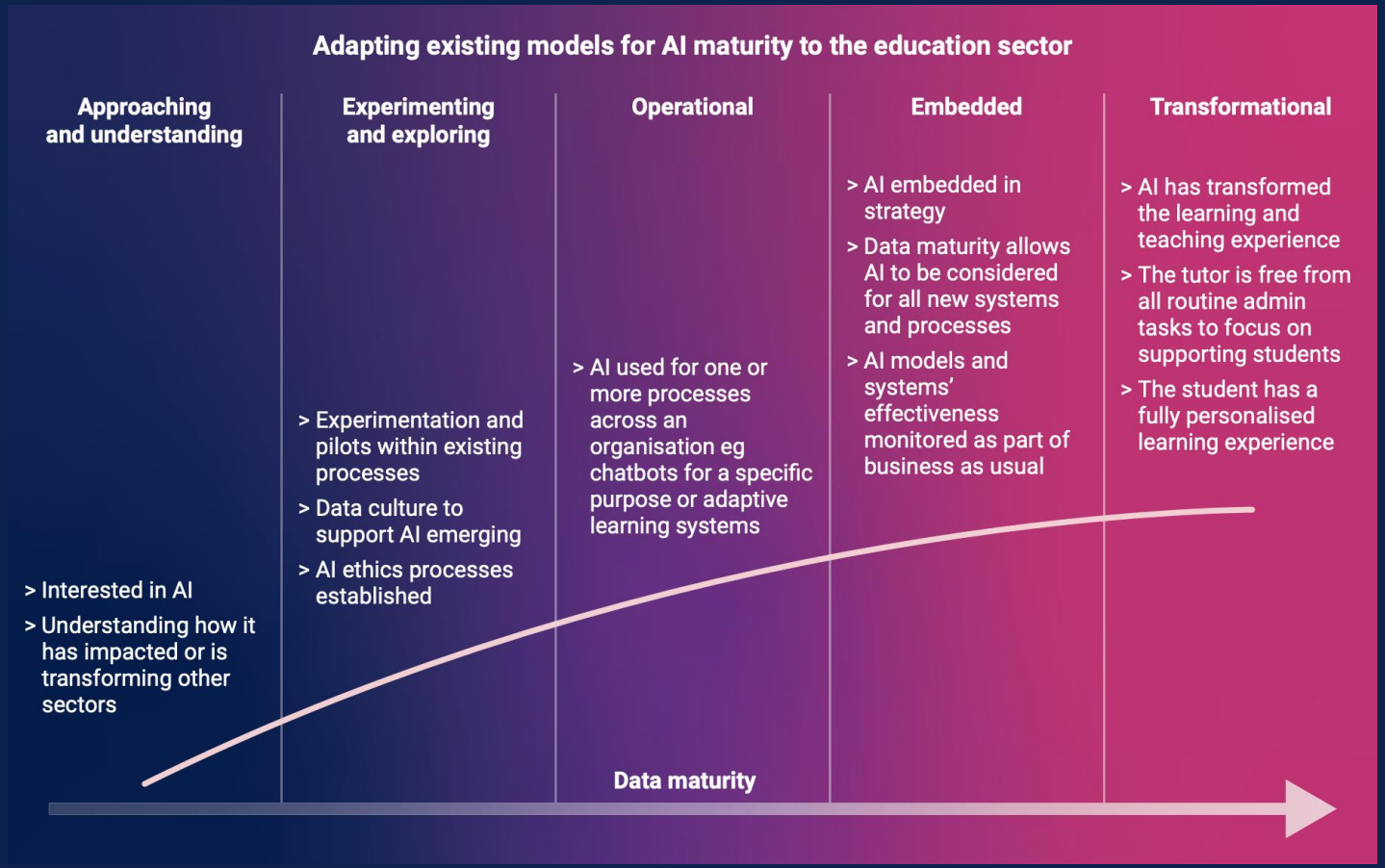
About National Centre for AI in Tertiary Education

Aim: To accelerate the adoption of artificial intelligence across the tertiary education sector in a responsible way.

- Pilots
- Information
- Events
- Community



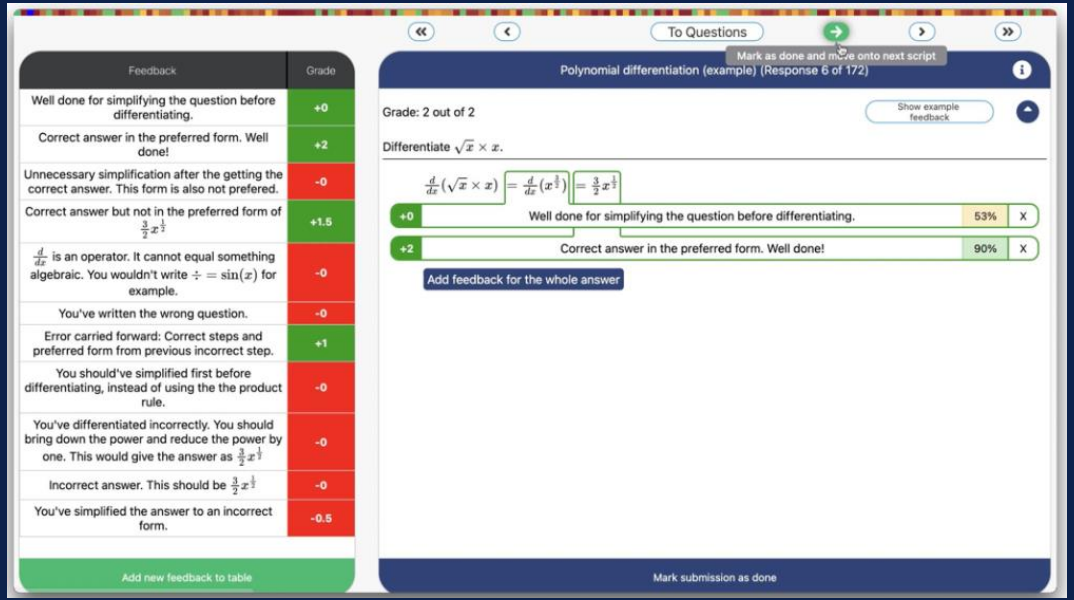
Our maturity model



Pilot example: Graide

Accelerating marking of STEM

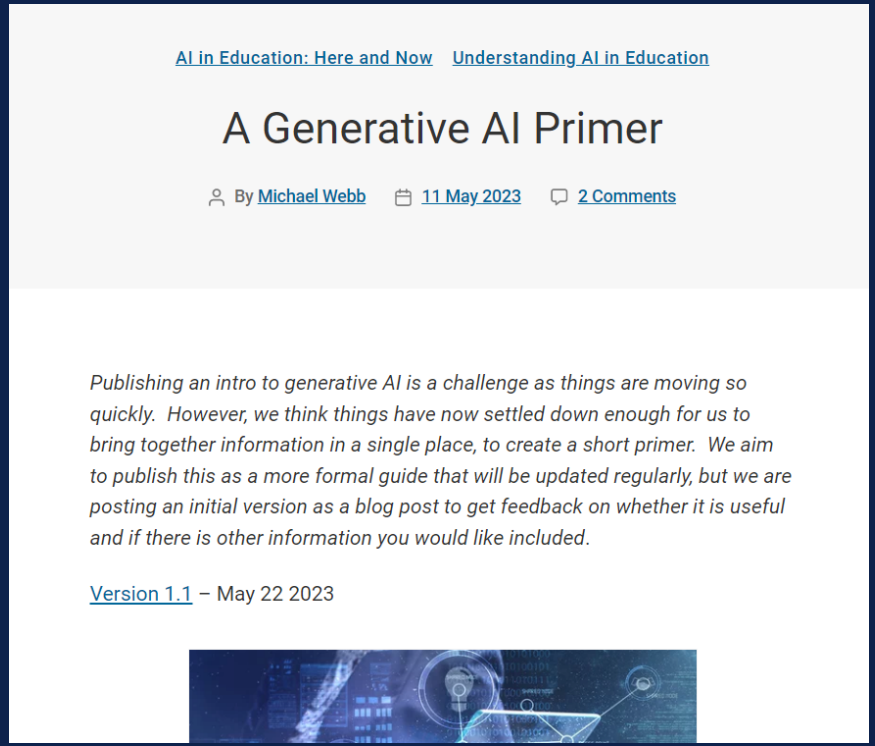
Initially created by University of Birmingham students



Information example:

A generative AI primer

https://nationalcentreforai.jiscinvolve.org/wp/2023/05/11/generative-ai-primer/



Events/Insights:

- Student discussion forums:
  - Critical thinking
  - Information literacy
  - Employment

Community:

Sector level advice for senior leaders	Assessment	Advice for students
• How to manage an external unexpected change into a controlled response	• Short term and long term • Assessment types	• Briefing notes for institutions • Nuancing policy

Assessment & detection

NEWS

London school likely to scrap essay homework due to fears of ChatGPT manipulation

Artificial intelligence software risks making traditional essays redundant

---

FINANCIAL TIMES

HOME WORLD UK COMPANIES TECH MARKETS CLIMATE OPINION WORK & CAREERS LIFE & ARTS HTSI

"AI breakthrough ChatGPT raises alarm over student cheating"

Artificial intelligence + Add to myFT

AI chatbot's MBA exam pass poses test for business schools

AI is killing off homework with one school ditching essays due to ChatGPT

Artificial intelligence (AI)

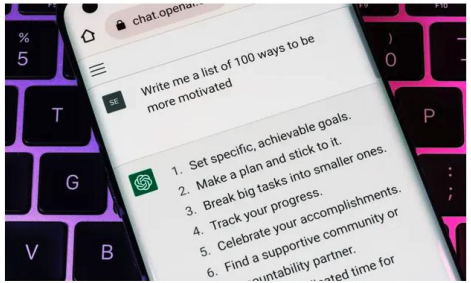
Lecturers urged to review assessments in UK amid concerns over new AI tool

ChatGPT is capable of producing high-quality essays with minimal human input

ChatGPT: what can the extraordinary artificial intelligence chatbot do?

Sally Weale *Education correspondent*

Fri 13 Jan 2023 16.23 GMT



ChatGPT has already triggered concerns about the potential for hard-to-detect plagiarism and questions about the validity of the essay as a future form of assessment. Photograph: Ascannio/Alamy

Lecturers at UK universities have been urged to review the way in which

---

Education ▸ Schools Teachers Universities Students

Opinion
Artificial intelligence (AI)

Now AI can write students' essays for them, will everyone become a cheat?

Rob Reich

Mon 28 Nov 2022 10.17 GMT

206

Teachers and parents can't detect this new form of plagiarism. Tech companies could step in – if they had the will to do so

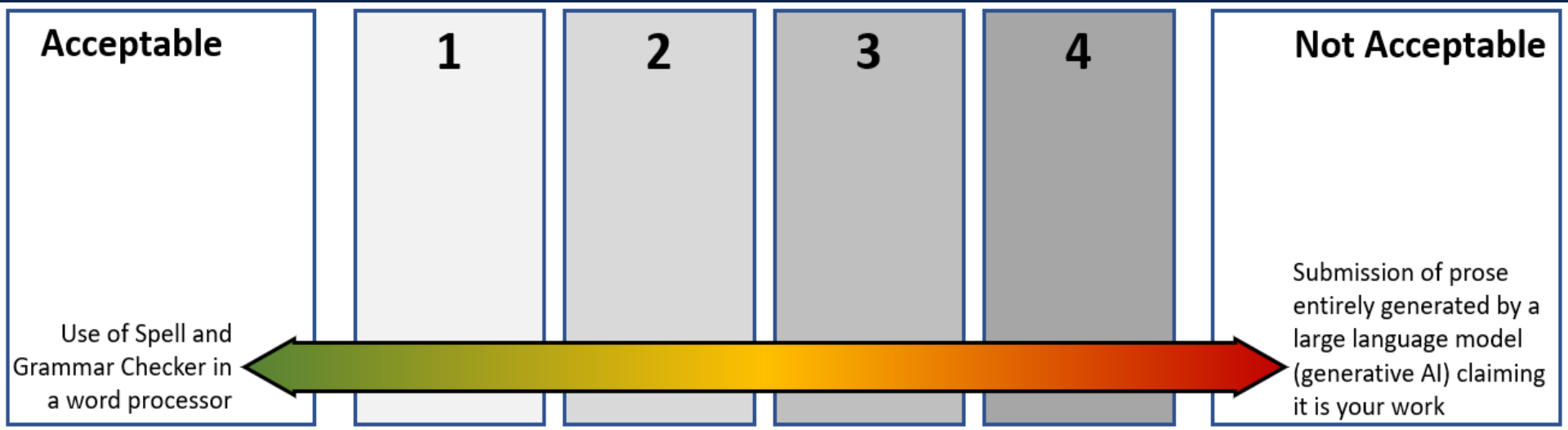
But this problem isn’t new….

The future of assessment: five principles, five targets for 2025 (Jisc, 2020)

However, there is also a growing need to monitor how new technology is being used to break assessment rules. Cheating has never been easier or more prevalent. A **recent study by Swansea University** (swansea.ac.uk/press-office/latest-research/) analysed surveys dating back to 1978 in which students were asked if they had ever paid for someone else to complete their work. The findings – covering 54,514 participants – showed a 15.7% rise between 2014 and 2018 in the number of students who admitted cheating. Essay mills – online companies that offer essay writing services – are seen to be at the heart of the problem. Illegal in some countries, a ban on their operation in the UK **has been called for** (https://ji.sc/the-guardian-ban-essay-mills) by more than 40 vice-chancellors.

Academic integrity is at the heart of this issue. Better assessment design, resulting in fresh, situated, personalised assessment tasks which effectively design out reasons and opportunities to buy in essays, has a role to play in reducing the likelihood of cheating. Technology can play a part.

Where do we draw the line?



Jisc

Understanding AI in Education

A short experiment in defeating a ChatGP detector

By Michael Webb 31 January 2023 1 Comment

In our webinar before Christmas, we suggested that "*A war between AI plagiarism detection software and generative AI won't help anyone*"

We want to share a quick example that shows why this might be the case.

For this experiment, we are using GPTZeroX, which has recently been updated. Our aim isn't to call out a particular product but instead to give a flavour of the battle that's to come if we rely on AI writing detectors.

Understanding AI in Education

AI writing detectors – concepts and considerations

By Michael Webb 17 March 2023 No Comments

There has been much discussion of the role of AI writing detectors.

The issue has become more urgent for us with Turnitin announcing the imminent release of an AI detector. At the moment we've very little information about the Turnitin offering, other than the detail in the press release, where it claims 97% accuracy (recall) and 1% false positive, so in this post we'll explore the issue more generally.

Jisc

What’s coming next

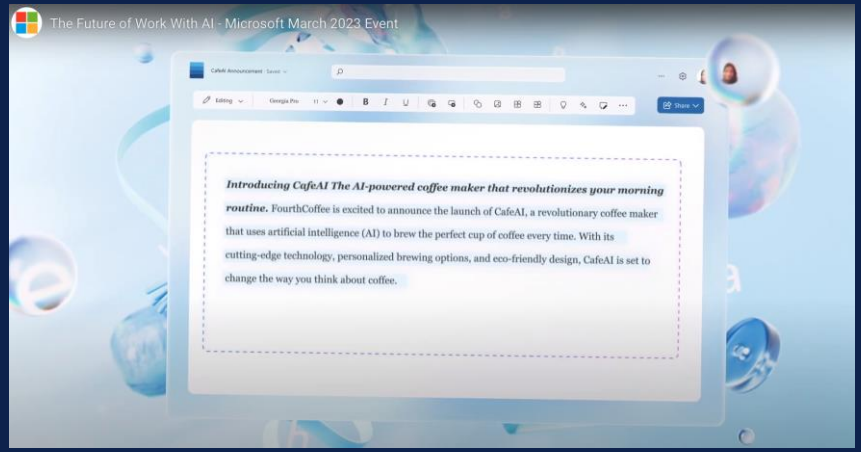
ChatGPT and Generative AI

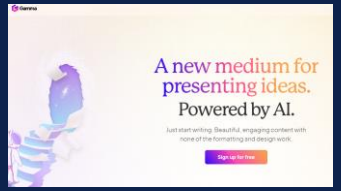
What we see across the sector

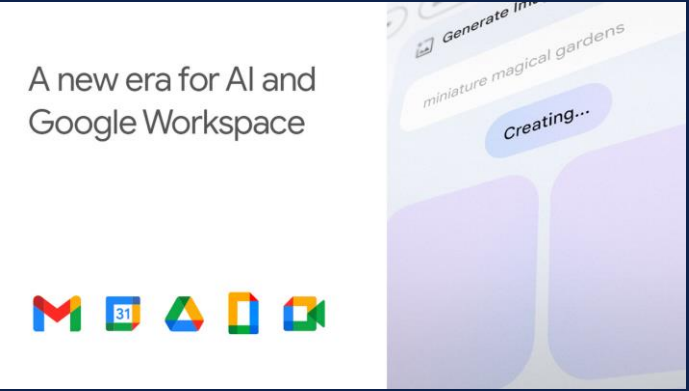
- Early discussion all around assessment and policy (avoid, outrun, embrace)
- Initial assessment guidance
- Some early (speculative) ideas about how to use it in learning and teaching
- Broad acknowledgement that work will change too, but limited action at the moment

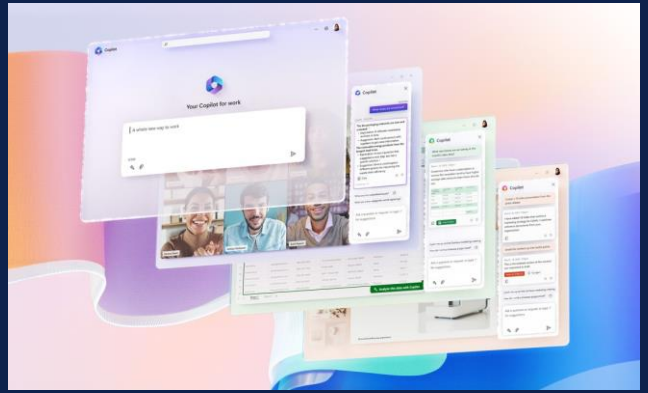
Everyday GPT:

Copilot in Word writes, edits, summarises and creates right alongside people as they work.

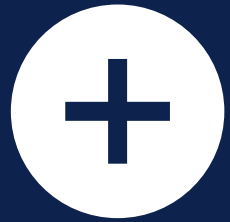








Education tools



Jisc

The issues we are exploring…

- There are a growing field of tools that have the potential to disrupt education– both in positive and negative ways.

- What does it mean if AI tools can write essays, solve maths problems or automatically code programming tasks?

- Do we see these as tools enabling students to ‘cheat’, or can we harness them?

Jisc

ChatGPT and Generative AI

Our take: short term

- Embrace/adapt.
- AI is rapidly getting built in to all the tools we use.
- Spend time understanding it, thinking about impact on assessment etc
- Relying on AI detection is going to be problematic.
- Don’t feel the need to rush into using it in teaching – things are changing rapidly.
- Discuss, collaborate, sector view

Jisc

Contact details

Blog: https://nationalcentreforai.jiscinvolve.org/wp/

Web: https://www.jisc.ac.uk/national-centre-for-ai

Mailing list: AIED@Jiscmail.ac.uk

Email: ncai@jisc.ac.uk