

A joint project between



A learning curve?

AI and education in the UK

We'll be starting shortly.



Josh Hillman

Director of Education, Nuffield Foundation

*Scene setting, background and the purpose
and aims of the collaborative programme*

The educational context for AI

1. Future curriculum and skills needs
2. Teaching quality and supply
3. Personalisation (including SEND)
4. The disadvantage gap
5. Effectiveness and evidence for it
6. Accountability and governance

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A learning curve?

A landscape review of AI and
education in the UK?

Renate Samson

Discussion paper

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A landscape review of AI and education in the UK

Renate Samson
Kruakae Pothong

Ada Lovelace Institute

January 2025



A landscape review of AI and education in the UK

- What is AI
- What key issues
- Current use of AI
- Oversight and evaluation
- Future research

A paper for teachers, school leaders, policymakers, innovators and anyone interested in AI, technology and education

The AI landscape

- Narrow AI
- Generative AI
- General purpose AI



Learning

Narrow AI and algorithms supporting intelligent tutors, adaptive and personalised learning tools

SEND

AI in assistive technologies such as machine learning, natural language processing, biometric analysis

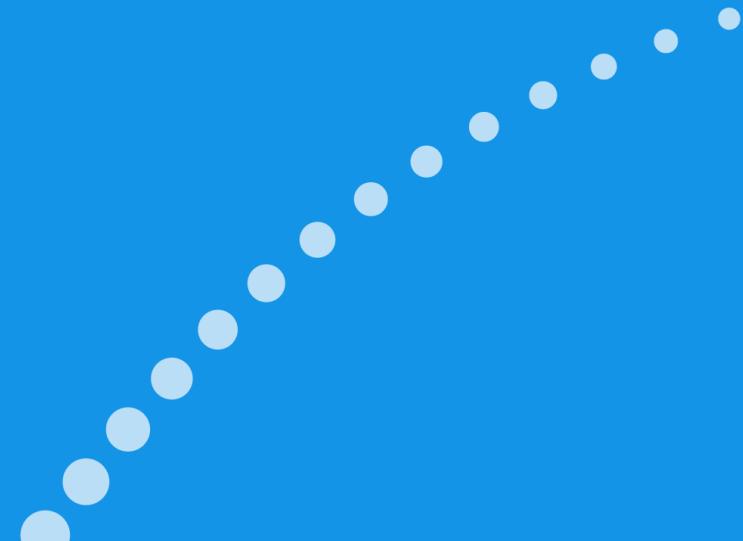
Teaching

Narrow AI, algorithms and predictive analytics for classroom management products

Administration

Narrow AI, algorithms, machine learning and predictive analytics for management information systems

**Where is AI
currently in use
in UK schools?**



Opportunities and expectations for AI in education

Personalised and adaptive learning



Assistive technology and augmentative and alternative communication (AAC) tools for SEND



Lesson planning



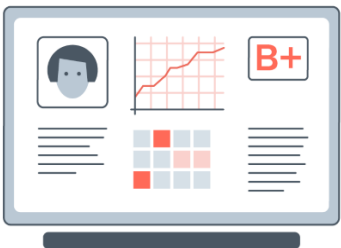
Marking and assessment



Teacher training



Administration and safeguarding



Being circumspect about a new and disruptive technology may prove valuable, particularly in relation to uses by or for children and young people in education settings



Oversight and evaluation



a necessity

Key findings

- Hype / Hope
- Not just generative AI
- Most accessible AI not education focused
- Education specific AI EdTech is nascent
- Opportunities but also challenges
- Regulation and governance not kept pace
- More support needed
- Evidence is limited
- Evaluation and oversight a necessity

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Further research....



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Thank you

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Expert panel

John Thornhill

Innovation Editor, Financial Times (Chair)

Bridie Tooher

Deputy Director (Digital Strategy), Department for Education

Melanie Renowden

CEO, National Institute of Teaching

Dr Rajeshwari Iyer

Co-founder and CEO, sAlnaptic

Renate Samson

Project Lead (Data and Digital Society), Ada Lovelace Institute

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Thank you for attending today's event.

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