



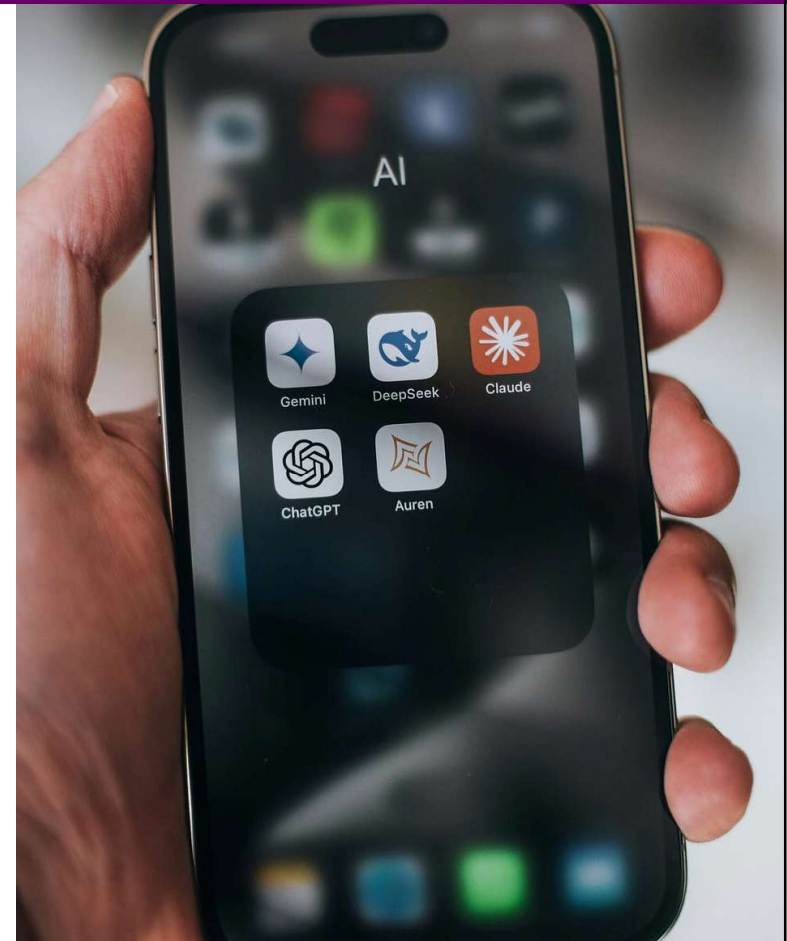
## **Responsible AI: Safeguards, Risks & Governance**

Dave Bradshaw – Head of Presales (Education) at Civica



## Quick Recap: What Do We Mean by “AI”?

- When we’re talking about “use of AI” we’re talking about applications that use **Large Language Models (LLMs)**.
- Remember:
  - LLMs are trained on very large datasets
  - Their algorithms break down human language and spot patterns, which they use to make **sophisticated predictions**.
- These tools can:
  - Analyse data to draw logical conclusions
  - Generate “original” material





## Environmental Considerations

*"It is a truth universally acknowledged that an **AI data centre** in possession of many servers, must be in want of **water**."*

- probably not Jane Austen





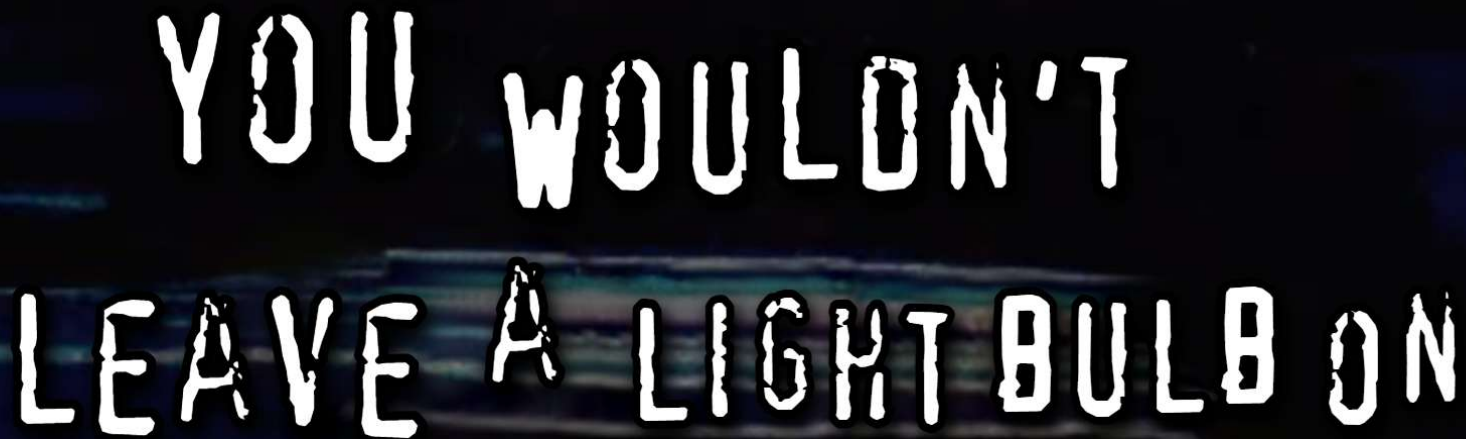
## Environmental Considerations

- The data centres for processing LLMs require an enormous amount of power and this requires **water-based cooling**.
- The GDA's 2025 report highlights that AI is predicted to lead to an increase in global water usage from 1.1 billion to **6.6 billion cubic metres of water by 2027**.
- Data centres also cause a **strain of utilities, risk of drought and significant noise pollution** for those nearby. They are also often built near minority and low-income communities.



## Environmental Considerations

- Currently, there is no way to use this technology without some environmental impact. Approximately 500ml of water is used for every 20-50 ChatGPT prompts.
- The onus is on us to **use AI tools responsibly to limit the cumulative effect.**



YOU WOULDN'T  
LEAVE A LIGHT BULB ON

## Broader Ethical Considerations

*"Your scientists were so preoccupied with whether or not they **could**, they didn't stop to think if they **should**."*

- Dr Ian Malcolm, *Jurassic Park*

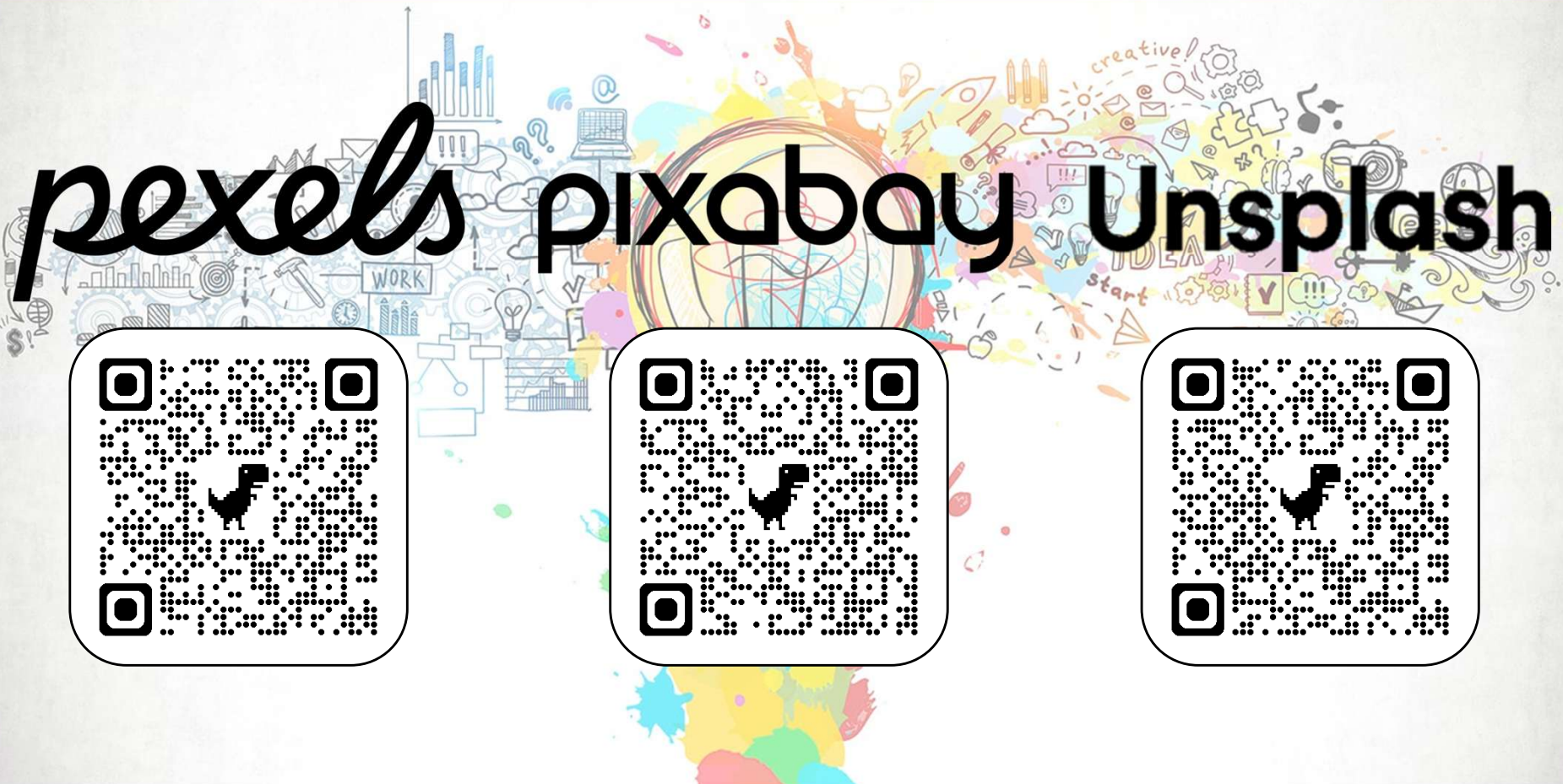
## Broader Ethical Considerations

- All LLMs are trained using vast amounts of publicly visible (but not public domain) data, much of which is **copyrighted**.
- There is no legal precedent yet on whether training a generative AI tool counts as copyright breach, but cases are ongoing e.g. Disney, NBC Universal and DreamWorks against Midjourney.
- What we do know is that use of **generative AI is negatively affecting smaller artists** as companies turn to AI instead of hiring freelancers.





## Broader Ethical Considerations



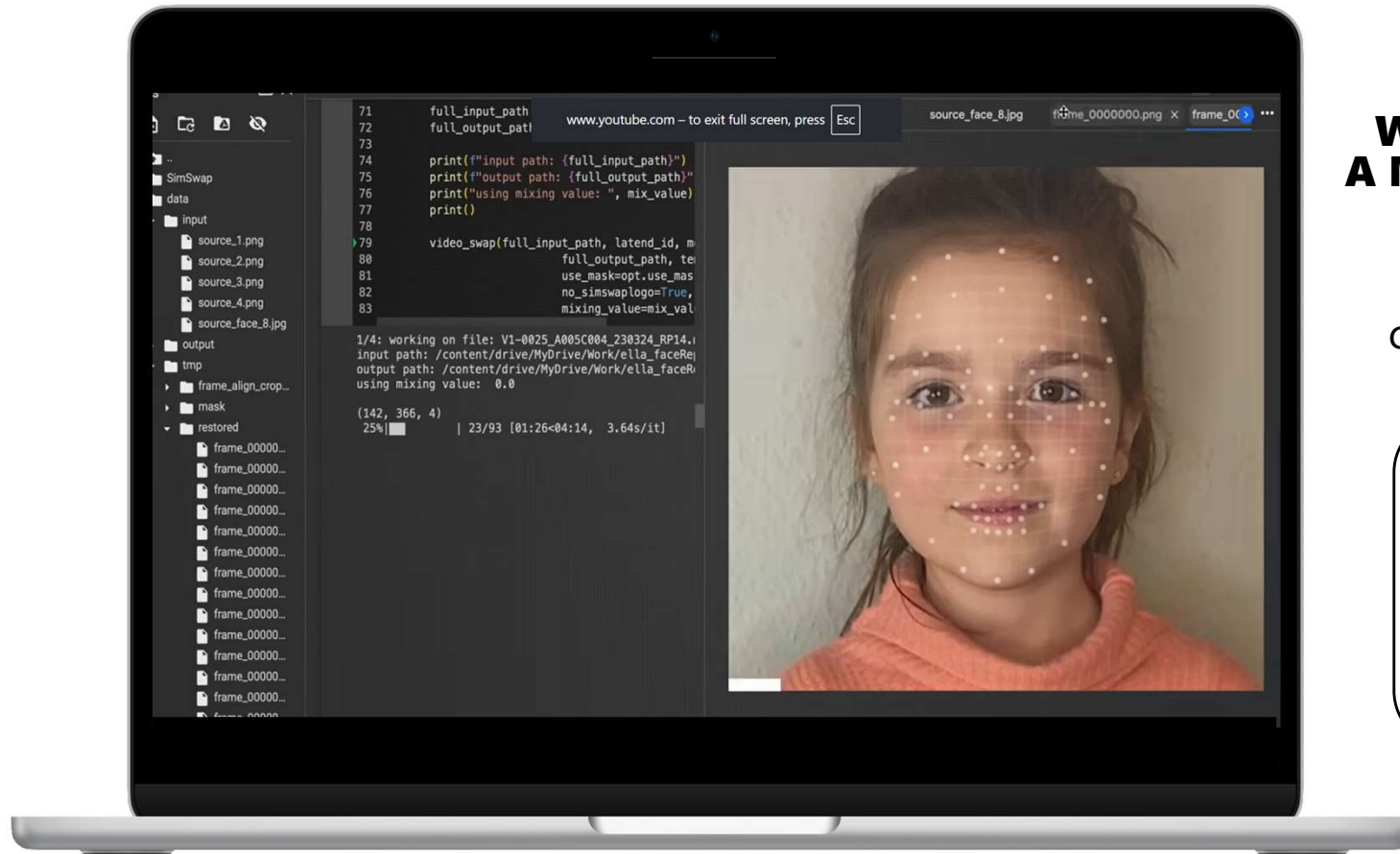


## Broader Ethical Considerations

- AI tools are incredibly good at analysing data but **never forget you're still handling sensitive pupil information.**
- Ensure you use a licensed tool (like Microsoft Copilot) that keeps your data private. **Never put sensitive data into a publicly available tool**, like ChatGPT or Grok.

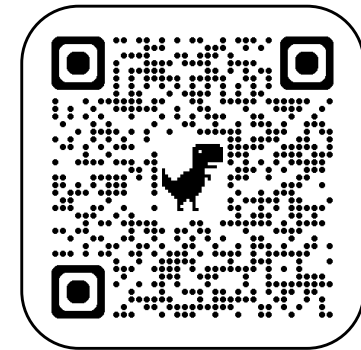


## Broader Ethical Considerations



**Without Consent:  
A Message from Ella**

Trigger Warning  
Reference to  
child sexual abuse



## Broader Ethical Considerations

- Generative AI tools can “hallucinate” information that is factually incorrect. (Remember, it’s not an encyclopaedia or even a Google search...)
- Always watch out for **telltale signs of AI generated text** e.g.
  - Bullet pointed lists
  - Scatterings of bold words for emphasis
  - Oxford commas
  - Em dashes
  - American spellings
  - Generic tone of voice





## Broader Ethical Considerations



- AI tools, especially generative AI, can seem very exciting... and it is! But **we have a responsibility to use these tools wisely and encourage others to do so.**
- Work with your Senior Leaders to **establish a policy for responsible use of AI**, including:
  - What AI can and can't be used for
  - What (if any) AI tools you're allowed to use with pupil data
- Pupils will always think they know more than teachers about emerging technology, but **we all have a responsibility to educate them and learn with them.**



## Food for Thought: Today's Takeaways

All AI tools have environmental impact and ethical considerations.

**Is AI the best tool for what you're trying to do?**

You need to use tools that keep sensitive data private.

**Does your school have an AI policy and are you following it?**

This technology is new and everyone is still learning.

**Are you modelling good practice and helping to educate others?**





*"That's all Folks!"*



**Dave Bradshaw**  
Head of Presales  
(Education)  
at Civica

**LinkedIn**

