

AI for the Classroom

Using emerging technology to enhance teaching & learning 🎓

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Actual AI in real life

- Artificial Intelligence is an umbrella term for a type of (advanced) computer systems that can *emulate* human intelligence.
- It encompasses **everyday technology** (e.g. facial recognition, self-driving cars, image generation, LLMs, etc) as well as technology that is **far in the future** (e.g. Superintelligence, new cancer treatments, etc).



How LLMs Work

(large language models)

(briefly)

- These models work by **predicting the next token** based on patterns (probability distributions) they learned from enormous amounts of text.
- They are trained on huge datasets and learn which words tend to follow others in different contexts.
- Their ability to produce meaningful language does not mean they have verified what they say.

They produce text that sounds right based on probability, not the “truth”.





The models don't know your classroom

- LLMs respond to the information in the prompt
- Broad prompts will leave more gaps to fill
- Relevant detail can help make more focused responses
- Different prompts can produce very different outputs

LLMs can generate answers, but the quality is dependent on your judgement.



Why should we evaluate AI outputs?



ACTIVITY 1

Output → Outcome

Working in pairs:

1. Choose an assessment or class activity that students have found either very **challenging** or **interesting**.
2. Using ChatGPT (or your preferred tool), brainstorm ways Augmented Reality could support the lesson.

Remember: ChatGPT does not know your classroom.

What you could consider when...

Prompting your LLM

- What is the age group that you are teaching?
- What is the subject, assignment and learning objective?
- How do students usually work through this assignment?
- Most common challenges or successes you experience?

(is this important?)

(what could this add?)

What **context** would it need to help form a “complete” picture?

ACTIVITY 2

Pick an Idea!

On your butcher's paper, write your assessment/lesson title.

1. Discuss **why** you picked this idea. Would this technology be useful in this lesson?
2. Write each reason on a different sticky note.

Is it realistic in this classroom?

Does it support the learning goal?

Does the AR add anything novel to the learning?

Is it appropriate for these students?

ACTIVITY 3

How does it work?

Working in pairs:

Use AI to help you create a **scenario** of how this lesson could go.

You can also try to consider:

- What is the expected interaction?
- What does the teacher do?
- What does the student do?
- How do they learn?

Visualise your scenario using a **storyboard**.

Why should we evaluate AI outputs?

Have these answers changed?

Do you have any new insights?



AI Output for an AR Storyboard

