



# Responsible AI in Education

Presenter name – Date and Location



# Workshop Goals



Understand what AI is and how it impacts schools

Explore both benefits and ethical risks

Try out AI tools with a responsible mindset

Create a mini action plan for ethical use

# Schedule

Time	Session	Focus
15 min	Welcome & Context Setting	Icebreaker, goals, why AI literacy matters for teachers
30 min	Understanding AI	What is AI? Key concepts (ML, algorithms, bias, black box)
30 min	AI in Schools – Benefits & Risks	How AI is used in education + ethical implications
10 min	Short Break	Grab a tea, stretch, reflect
30 min	Ethical AI Guidelines for Educators	Principles: transparency, privacy, bias, oversight, accountability
40 min	Hands-On Exploration with AI Tools	Try AI tools + apply ethical lens through activities
15 min	Reflection & Responsible Action Planning	Build your “Responsible AI in My Practice” mini-plan
10 min	Q&A + Closing	Resources, ongoing learning, feedback survey

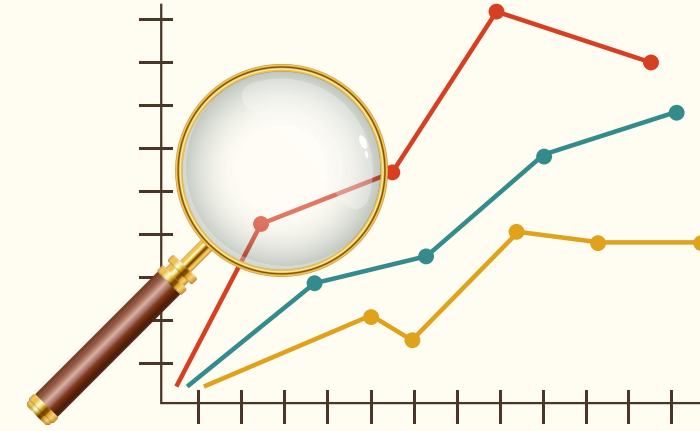


# Why AI in Education?



# What Is Artificial Intelligence (AI)?

Artificial Intelligence refers to computer systems that can perform tasks typically requiring human intelligence.



These tasks include:

- Learning from data
- Recognising patterns
- Solving problems
- Making decisions



Not just robots - it's in tools you already use!

- E.g. auto-marking, Grammarly, smart playlists, voice assistants



# Everyday AI – You’re Already Using It!



AI is already in your daily life – often without you noticing.

Examples of everyday AI tools:

- Voice assistants – Siri, Alexa, Google Assistant
- Email filtering – Spam detection in Gmail or Outlook
- Autocorrect & grammar tools – Grammarly, predictive text
- Streaming services – Netflix or Spotify recommendations
- Google Search – Autocomplete and personalised results
- Maps & navigation – Google Maps traffic predictions

# Why AI Matters in Education, Especially for Teachers

AI is already shaping how students learn

- Lesson generators, auto-marking, learning apps, personalised feedback

You don't need to be a tech expert, but you do need to be informed

- Understand how AI tools work → use them wisely

AI tools are powerful, but not perfect

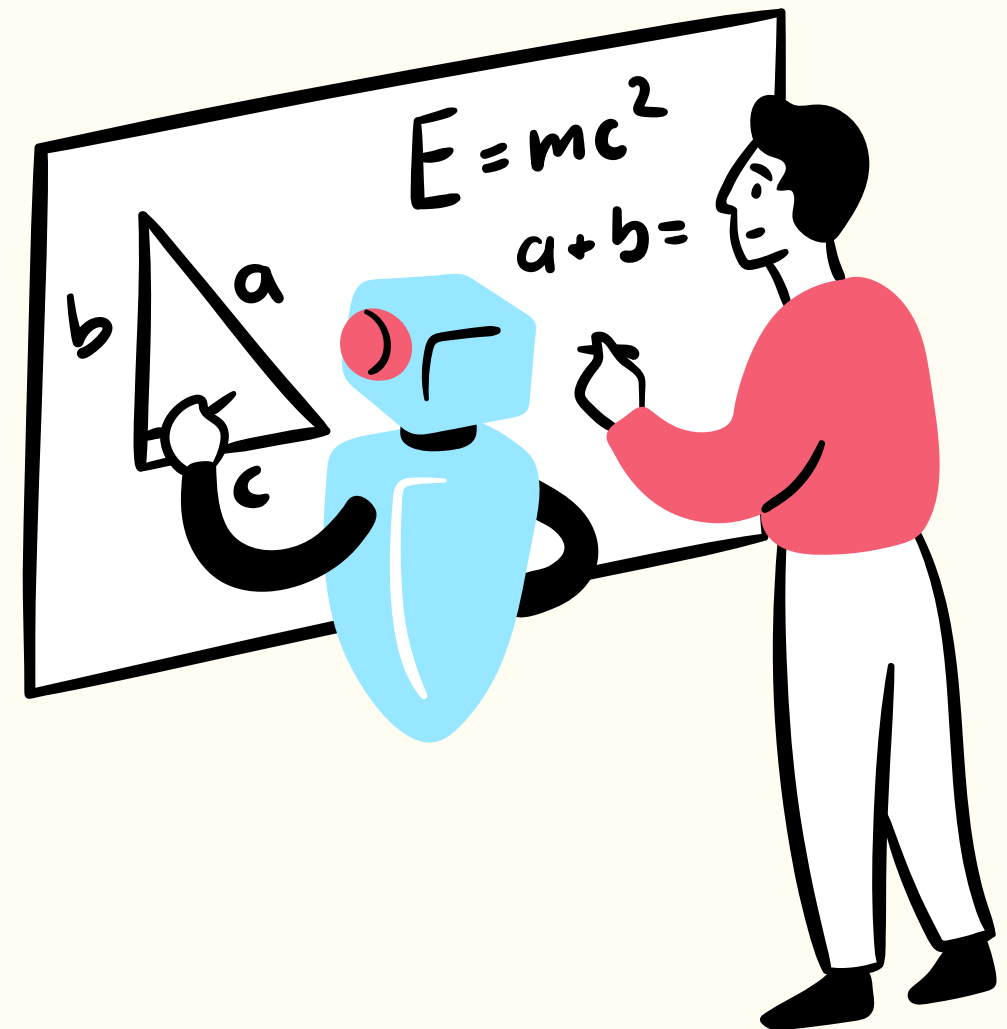
- They reflect biases, make mistakes, and need teacher oversight

Responsible use starts in the classroom

- You set the tone: transparency, fairness, and ethics

Teaching AI literacy = future-ready learners

- Students will grow up surrounded by AI, let's equip them to use it well



# AI in Schools: Why Responsibility Comes First

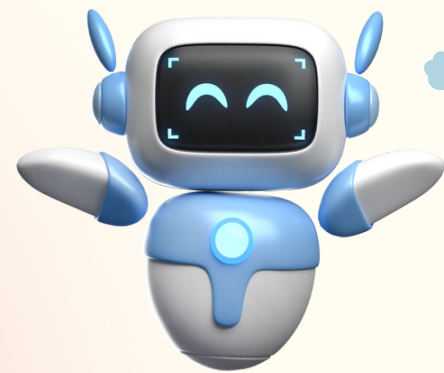
**data → algorithm → outcome**

Fairness

Context

Empathy

Oversight



- AI ≠ neutral - It reflects the data and values it's built on.
- Tools don't make ethical decisions - people do.
- Teachers are the human layer of judgment between AI and students.
- Your influence ensures:
  - Privacy is protected
  - Bias is recognised and addressed
  - Human-centred learning is prioritised
- Ethical AI use = fair, safe, inclusive education
- Responsibility isn't a side note - it's the foundation.





# Core Concepts with Ethical Framing

# Machine Learning – How AI Learns from Data

Data Input



Pattern Learning



Prediction/Decision

- Learns patterns from data to make predictions
- Trained on examples – not programmed with fixed rules
- Used in tools like auto-marking, grammar checkers, and adaptive platforms
- Biased or limited data = biased outcomes
- ML is only as fair as the data it learns from

Data: Past essays



AI learns to grade

Data: Student answers



AI predicts next question



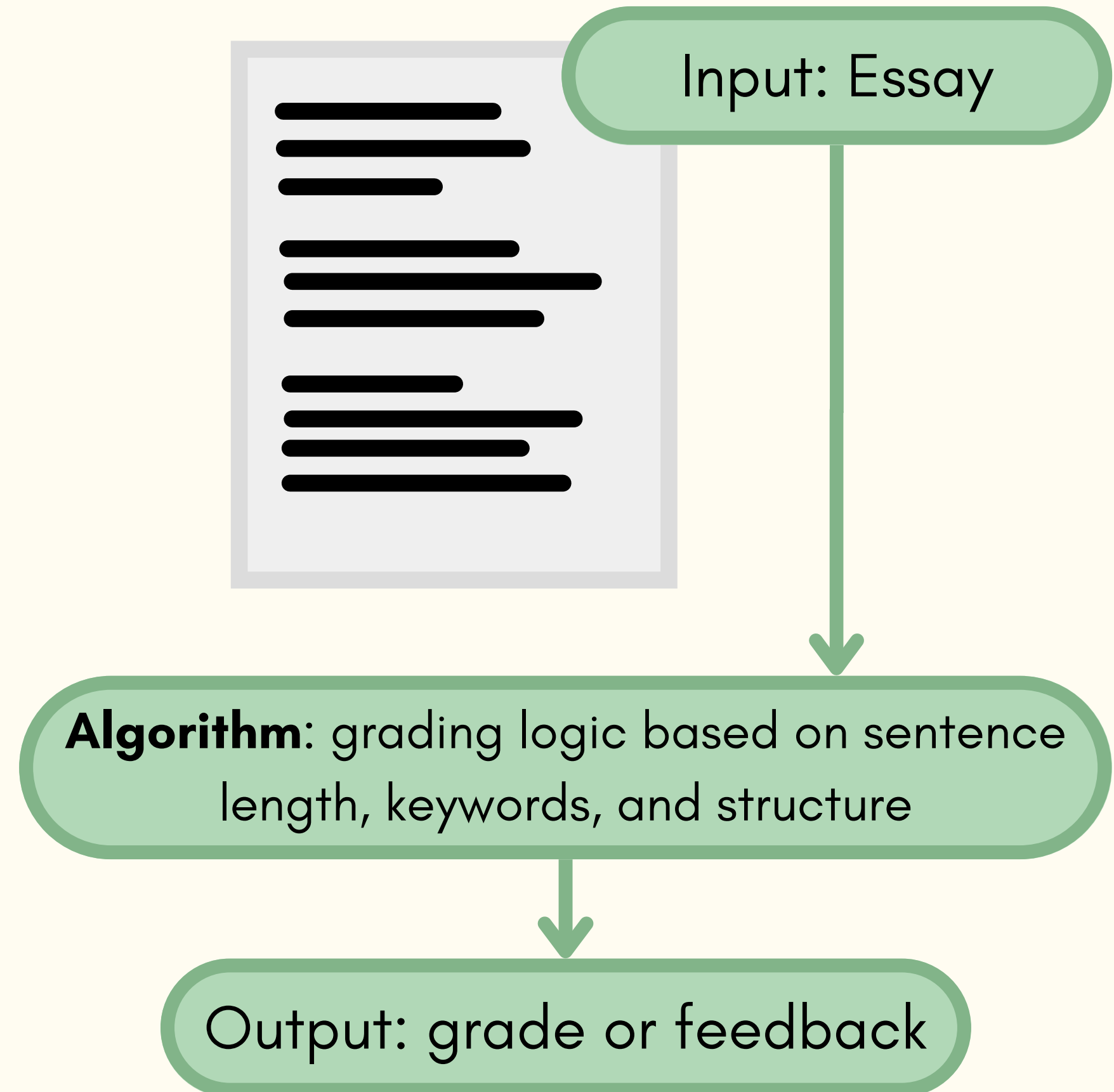
If data is biased



output is biased

# Algorithms – The Rules Behind AI Decisions

- Step-by-step instructions a computer follows
- Used in AI to:
  - Make decisions (e.g., grades, content)
  - Process data (e.g., sort, classify)
- Designed by humans → reflect human values
- Rules can cause unfairness if they:
  - Prioritise efficiency over empathy
  - Ignore context (e.g., learning needs)



# Generative AI – When AI Starts Creating

- Creates new text, images, music, code, and more
- Used in tools like ChatGPT, Canva Magic Write, DALL·E
- Helpful for lesson plans, quizzes, feedback
- Risks: false info, plagiarism, cultural bias
- Teachers must guide ethical and critical use

## Useful Output

AI-generated quiz

Lesson plan draft

“10 Ideas for a group project”

## Risky Output

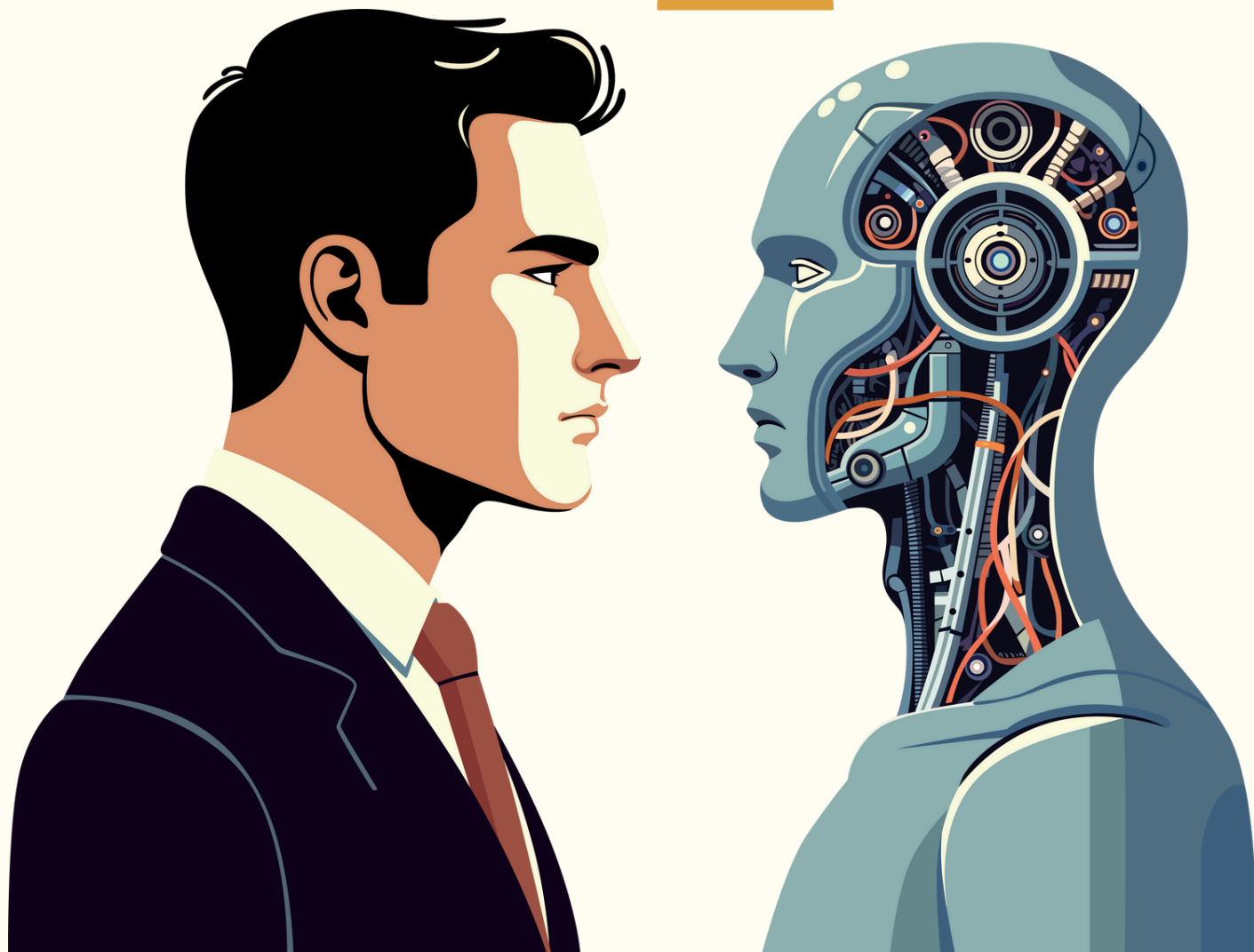
Made-up fact (e.g., “Albert Einstein was born in 1979”)

Culturally insensitive cartoon

Student essay written entirely by AI  
Label: “Needs Review”



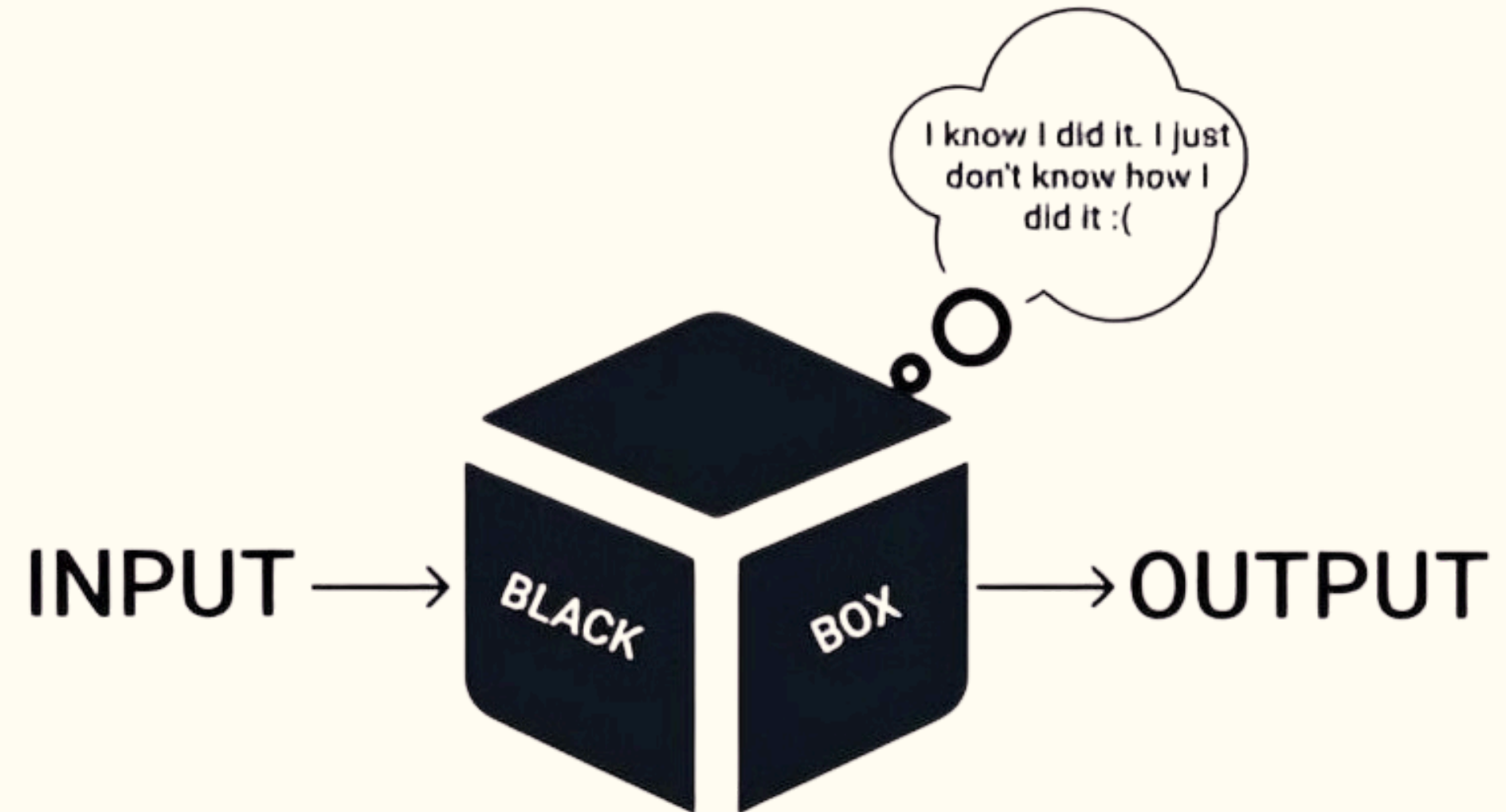
# Bias in AI – When Technology Isn't Fair



- AI can make unfair decisions due to:
  - Biased training data
  - Human assumptions in design
- In schools, this may cause:
  - Unfair grading
  - Cultural or language bias
  - Reinforced stereotypes
- Bias is often hidden – not always obvious
- Teachers must spot, question, and correct AI bias

# The “Black Box” Problem – When You Can’t See Inside AI

- Many AI systems can’t clearly explain their decisions
- This is called the “black box” problem
- Example: AI gives 62% on an essay, but why?
- In schools, this is risky:
  - Hard to justify grades or feedback
  - Bias is harder to detect or challenge
- Teachers must review AI outputs with professional judgment



*“If you can’t explain how a decision was made, can you really trust it?”*

# Group Reflection

**Where might these AI concepts and/or issues impact your teaching or your students?**

- **Machine Learning** - AI that learns patterns from data
- **Algorithms** - Step-by-step rules that guide AI decisions
- **Generative AI** - AI that creates new content (text, images, etc)
- **Bias** - When AI makes unfair or unequal decisions
- **Black Box** - When AI's decision-making is unclear or unexplainable



# AI in Practice – Real School Uses

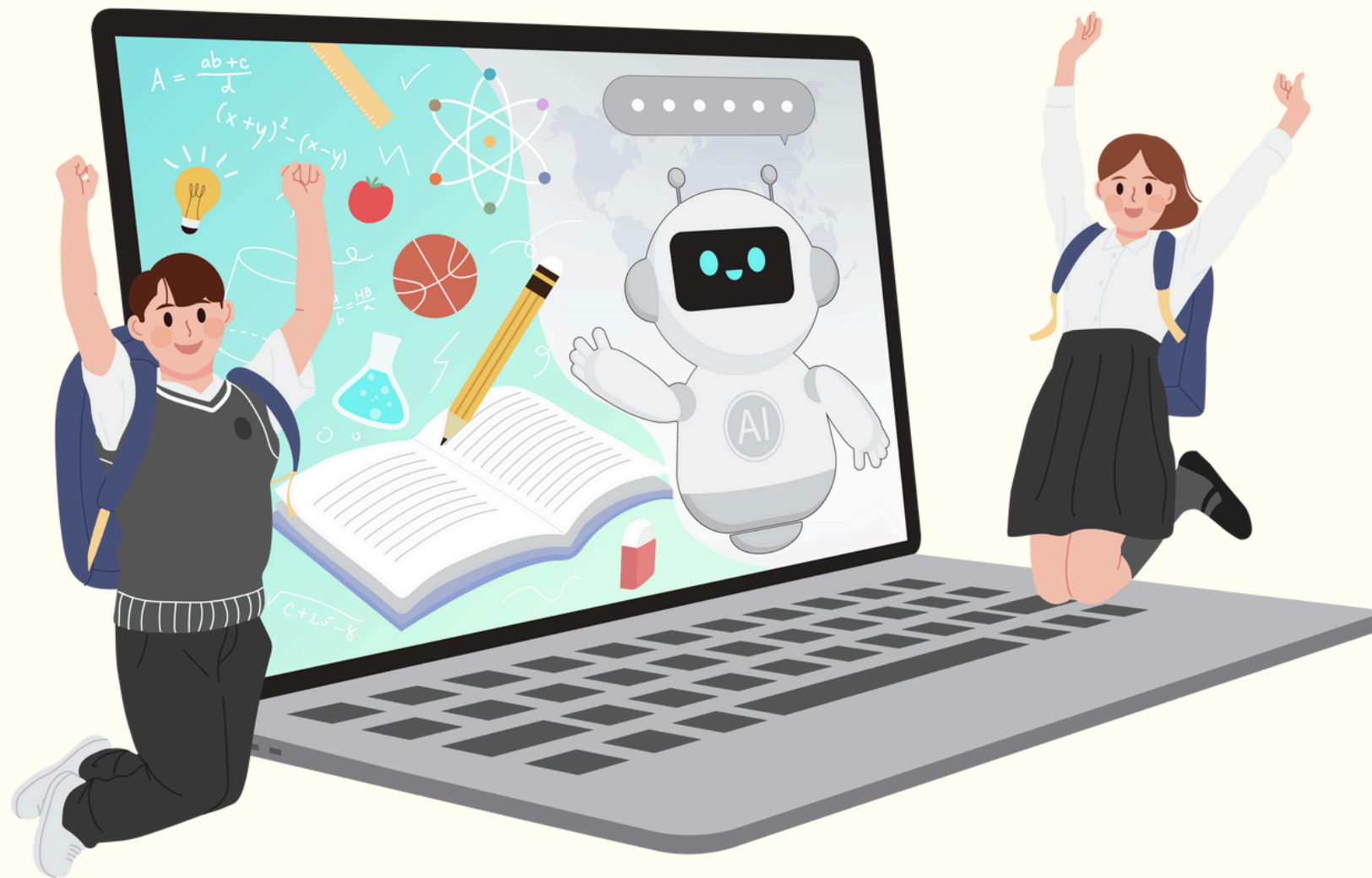


# AI in Education – What's Already Happening?

- Admin Automation
  - Marking, attendance, reports, scheduling
- Personalised Learning
  - Adaptive platforms that adjust content for each student
- Student Feedback
  - AI tools give instant feedback on writing or quiz performance
- Teacher Support
  - Lesson generators, quiz builders, and content suggestions



# How AI Affects Student Learning – Helpful or Harmful?



## Benefits:

- Adaptive tools adjust to student's pace and level
- Instant feedback builds independence
- AI tutors offer support beyond classroom hours

## Boundaries & Risks:

- Over-reliance may limit deep learning or creativity
- Generic feedback may miss the student context or need
- Can reinforce bias (e.g penalising diverse language use)

# Equity & Access – Is AI Helping All Students?

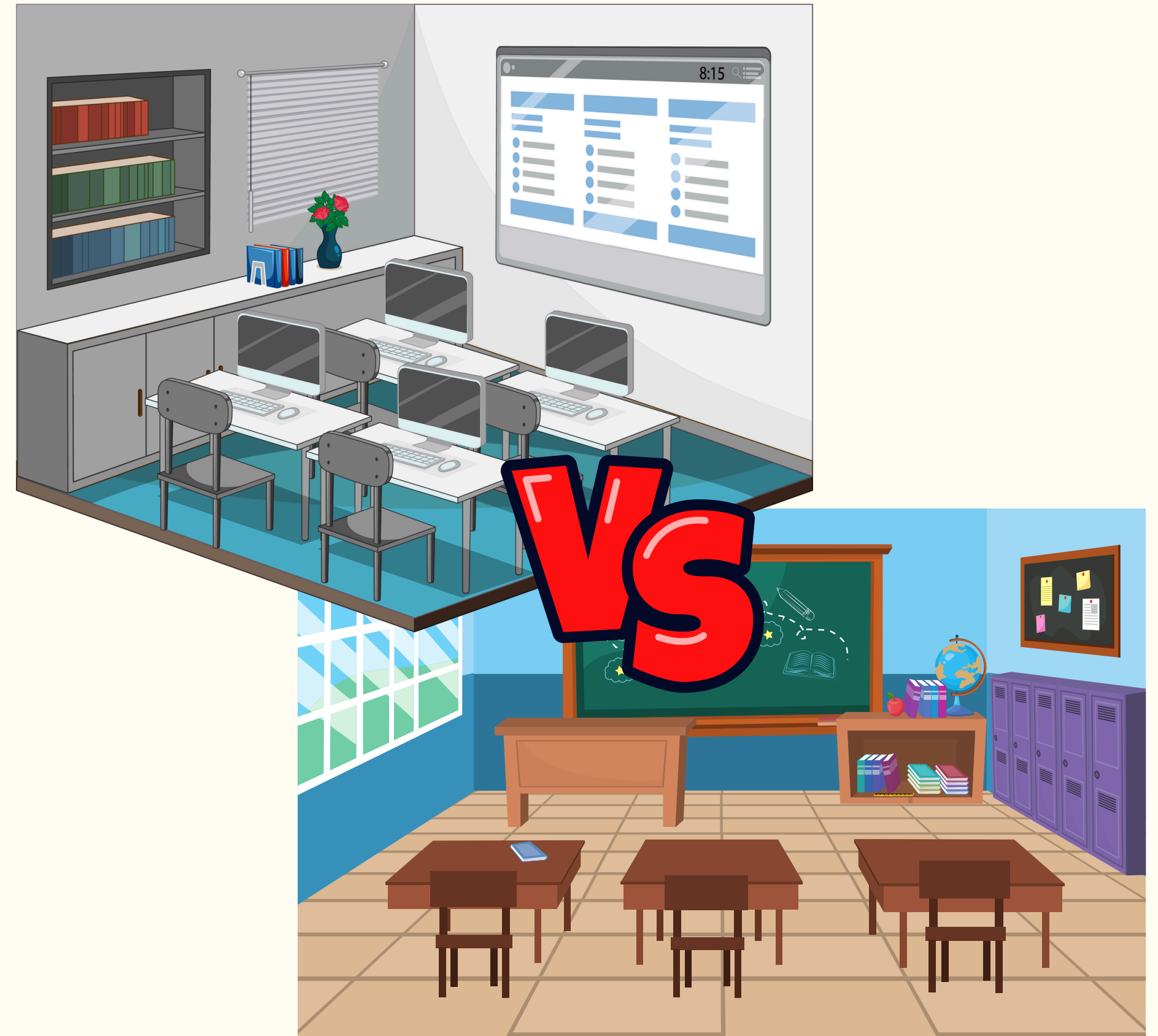
**Digital divide** – Not all students have equal access to devices or the internet

**Funding gaps** – Wealthier schools may benefit more from AI

**Lack of inclusion** – AI may overlook diverse learning needs or cultures

**Privacy concerns** – Families may be uneasy about data sharing

Teachers must advocate for fair access and adapt AI tools mindfully



# Case Scenario – When AI Gets It Wrong

**A Year 9 teacher uses an AI tool to give students instant writing feedback.**

**One student, who uses culturally rich storytelling and informal English, consistently receives lower scores than peers.**

**The student becomes discouraged and stops submitting work**

**How should the teacher respond?**

- What might have caused this?
- What ethical risks do you see?
- What steps can the teacher take to support the student?
- What changes might be needed in using the AI tool?





**Short Break -  
Be back in 10 min!**

# How AI Can Support You – The Teacher Advantage

**Saves time** - Automates marking, reports, and planning



**Boosts creativity** – Generates ideas for lessons & activities



**Informs instruction** – Analyses student data

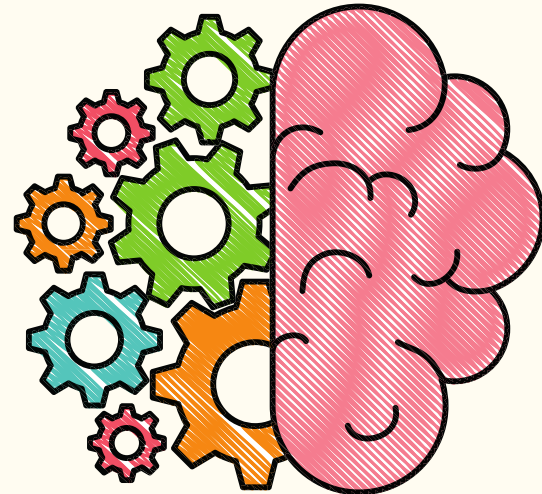


**Assists, not replaces** – You stay in control of learning



# Can AI Make Teaching More Inclusive?

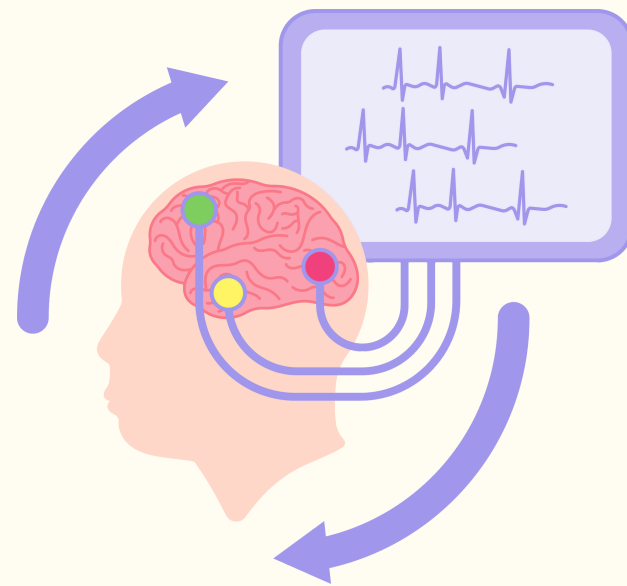
**Differentiated instruction** → Adapts tasks to student ability



**Neurodiverse support**  
→ Personalises for ADHD, dyslexia, etc



**Diverse learner tools** → Text-to-speech, translations



**Cultural & language inclusion** → Helps EAL/D students engage



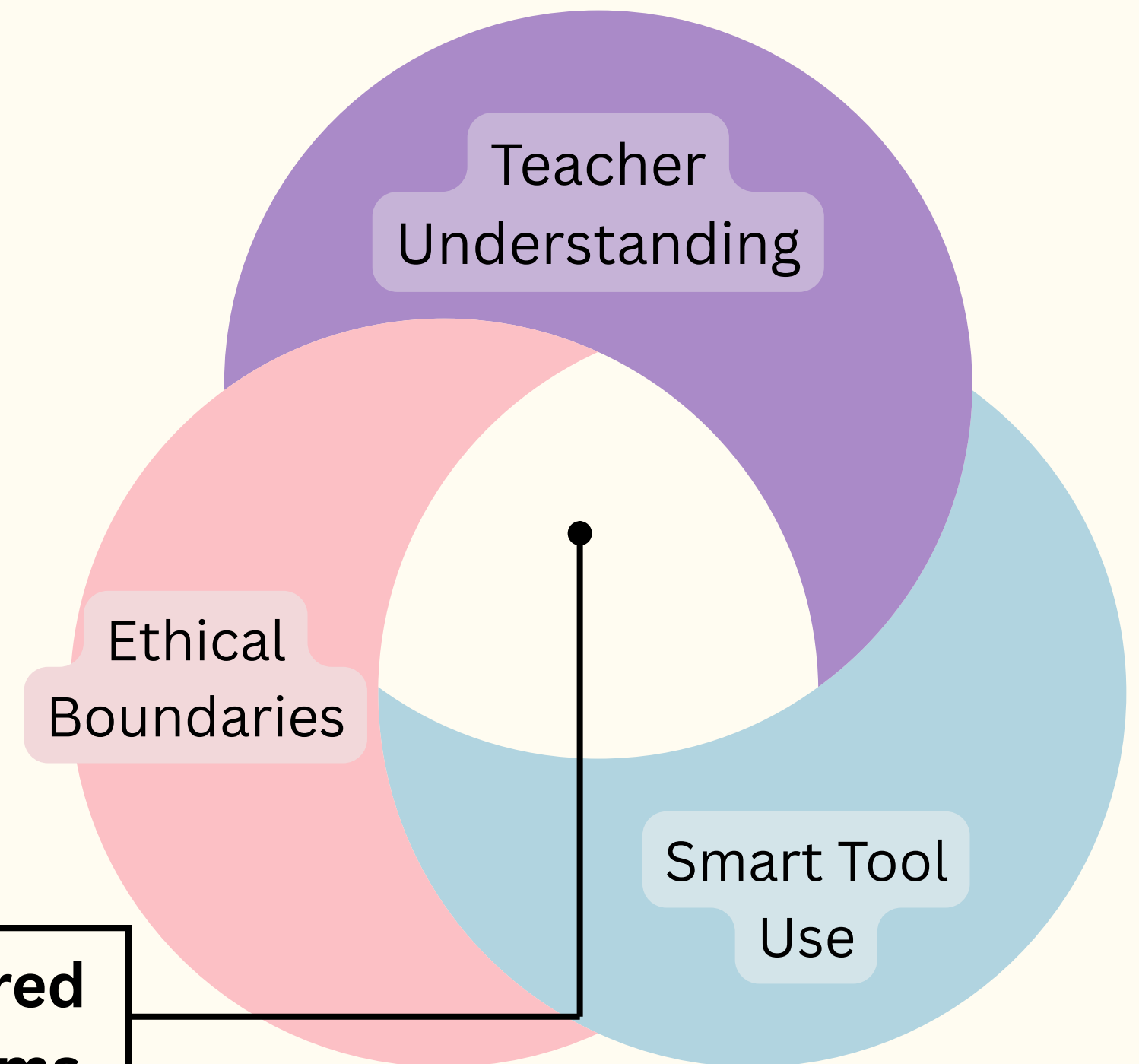
Use with care: Watch for bias, generalisations, and exclusion

# When Used Responsibly, AI Empowers Teachers and Students

- AI is a partner, not a replacement
- Ethical awareness = better classroom outcomes
- Informed teachers = empowered decisions
- Students learn values through your modelling



**Empowered  
Classrooms**

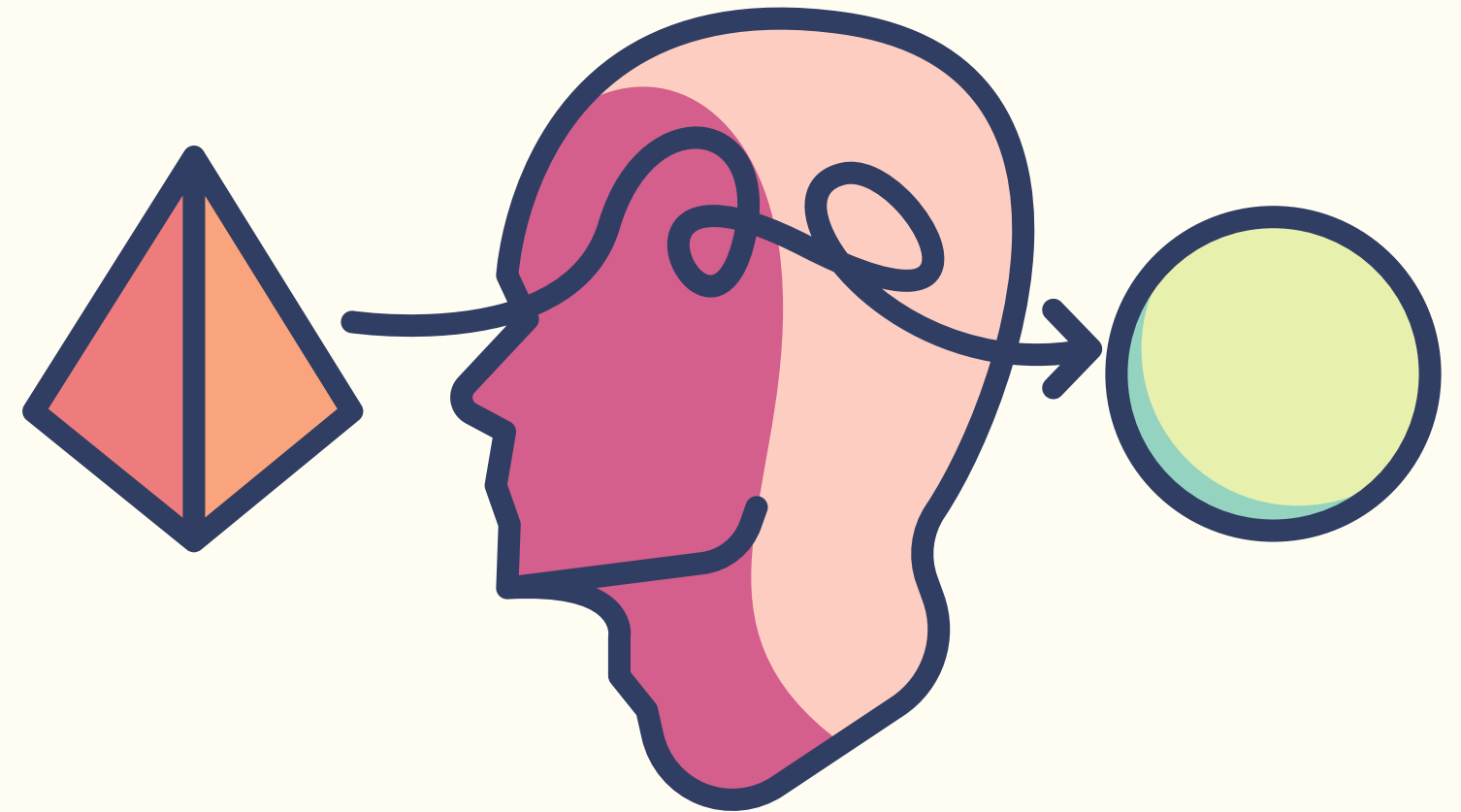


# **The Risks – What to Watch Out For**



# ⚠️ Bias & Fairness – When AI Isn't Equal for Everyone

- AI learns from data, and data can be biased
- Fairness risks in schools
- Bias isn't always visible, but it impacts real students
- Teachers must review and challenge AI outcomes



# ⚠️ Protecting Student Data – Privacy & Consent Matter



- AI tools often collect student data (e.g. writing, behaviour, voice)
- Risk: Data may be shared or misused without consent
- Students & families have the right to know:
  - What's collected
  - How it's used
  - Who can access it
- Teachers must:
  - Use school-approved tools
  - Check privacy policies
  - Seek consent when needed



# Are We Leaning Too Hard on AI?

AI is efficient, but it's not wise

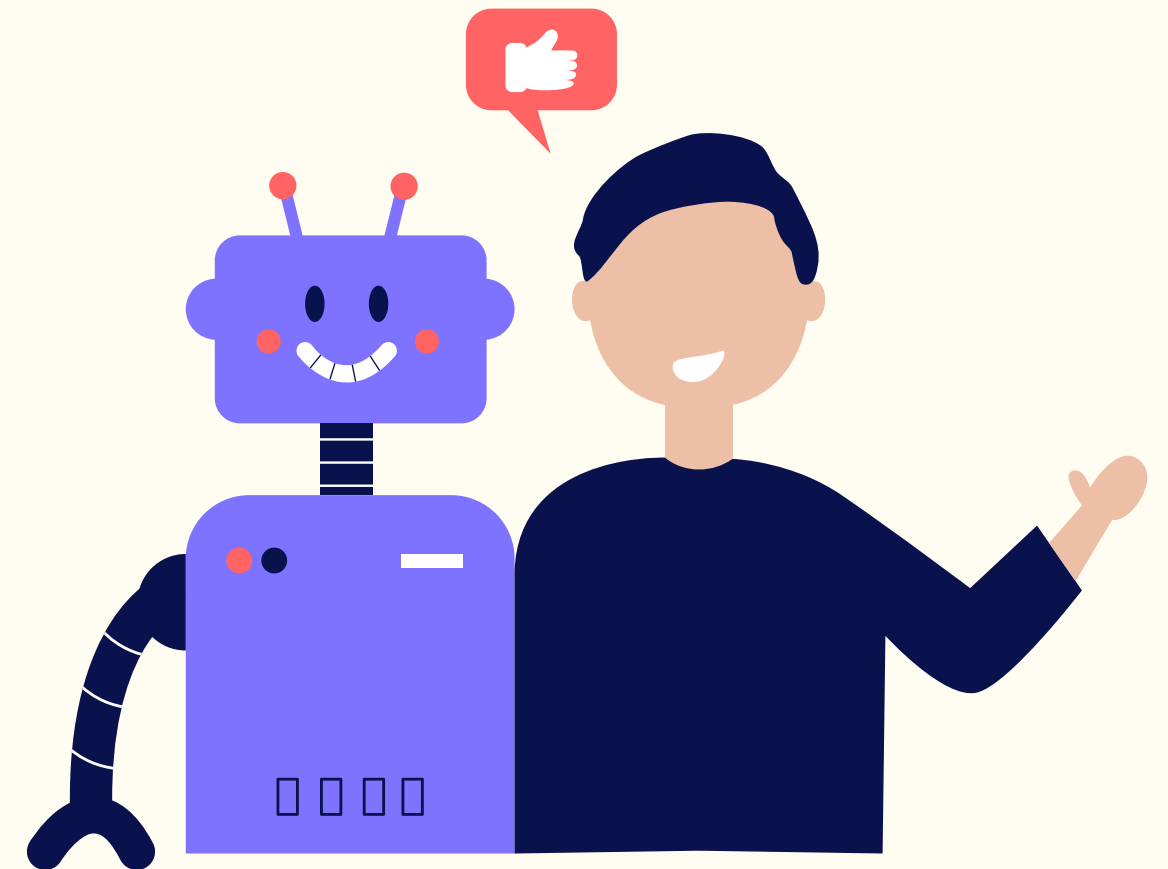
- It can't understand emotion, nuance, or context like a human can

Over-reliance risks:

- Blind trust in AI outputs (“automation bias”)
- Reduced critical thinking in students and teachers
- Missed opportunities for relationship-building

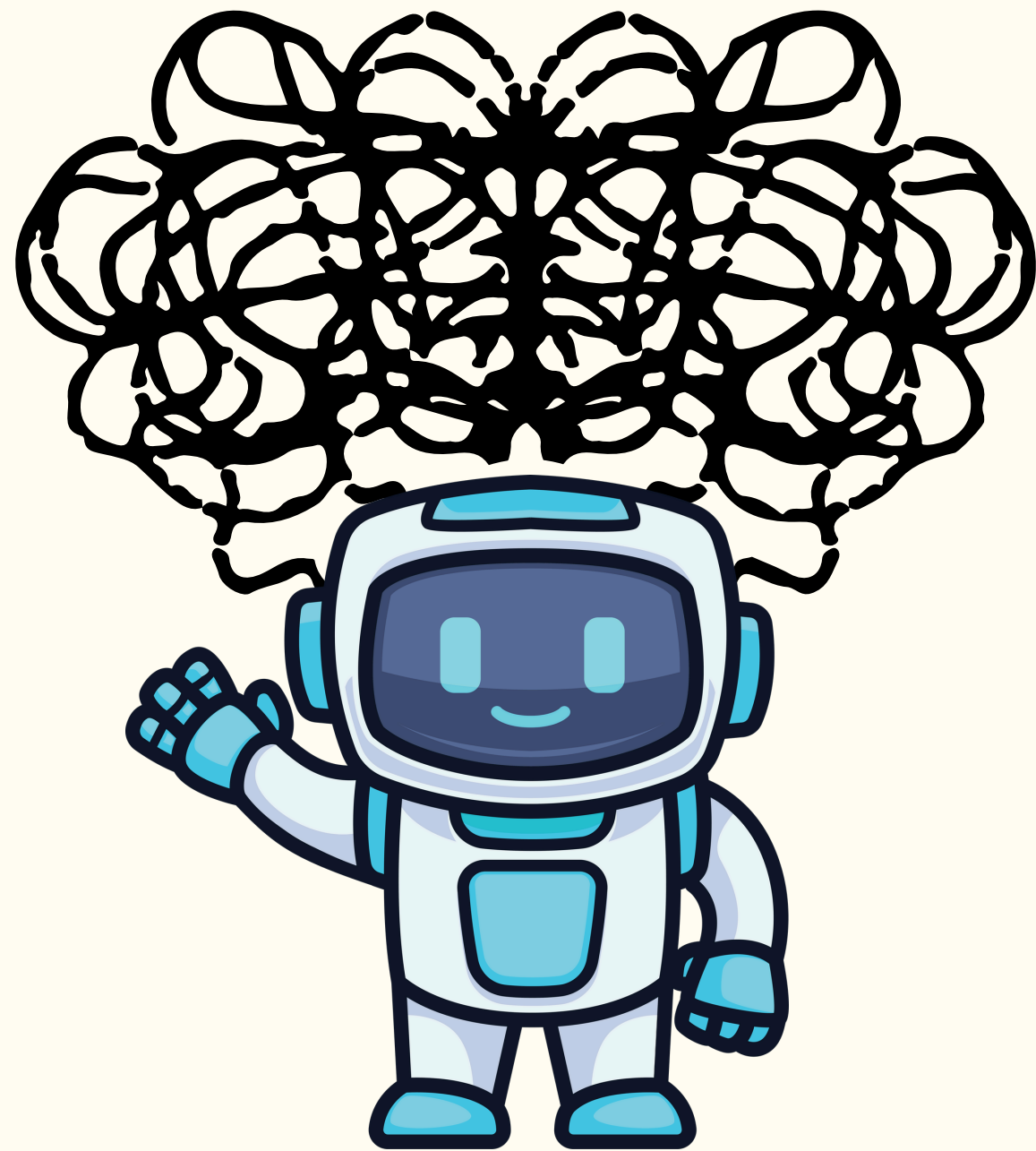
Teachers must remain the final decision-makers

- Use AI as a tool, not as a substitute for professional judgment.





# When AI Makes Stuff Up – “Hallucinations” and Misinformation



- AI sometimes generates false or made-up content → “Hallucinations”
- Big risk in education:
  - fake facts
  - Misleading sources.
- AI doesn’t know truth – it predicts what “sounds right”
- Always fact-check AI-generated
- Teach students to verify and question AI content

# How to Use AI Responsibly in Your Classroom



**Transparency** → Let students know when and how AI is being used



**Human Oversight** → Always review AI outputs — you make the final call



**Privacy First** → Use tools that protect student data; avoid sharing sensitive info



**Bias Awareness** → Regularly check AI feedback for fairness across all student groups



**Educational Purpose** → Use AI to enhance learning, not shortcut it



# Transparency – Be Clear About When AI Is Used

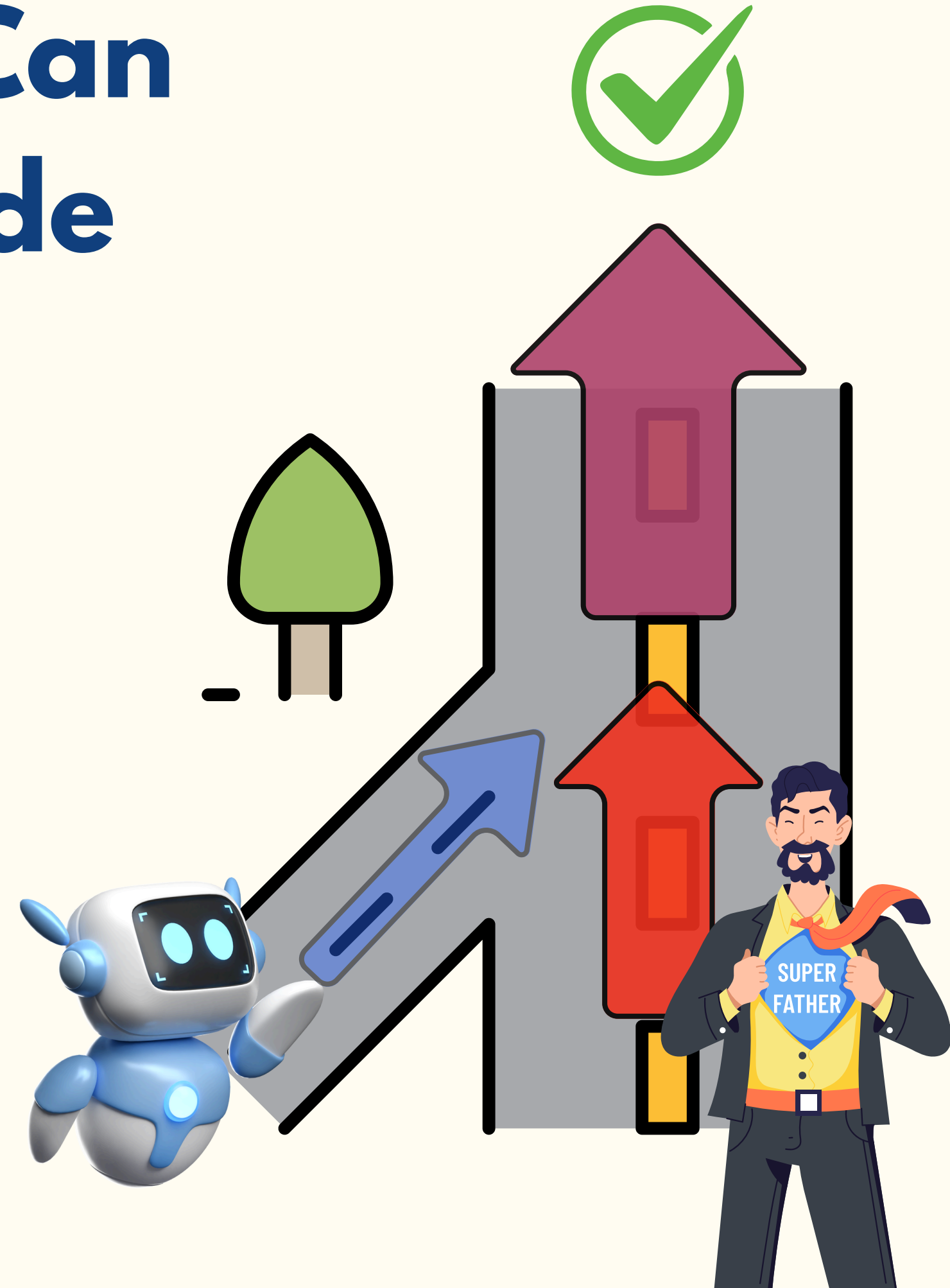


- Students and families should know when AI is part of learning
  - Example: “This feedback was generated by an AI tool”
- Disclose how the tool works and its limitations
  - Is it summarising, scoring, or suggesting?
- Build trust by being open about AI’s role
  - Explain that AI supports the process — it doesn’t make final decisions
- Clear communication = informed participation

# Human Oversight - AI Can Suggest, But You Decide

- AI supports — but doesn't replace teacher judgment
- Only you understand your students' needs and context
- Always review AI outputs before using them
- Don't assume AI is accurate or fair

**You are accountable for outcomes,  
not the tool**



# Protect Student Data – Privacy Isn't Optional

## **Is the tool school-approved?**

- Has it been vetted by your school, department, or IT team?

## **Does it explain what data is collected and stored?**

- E.g. student names, writing samples, voice input, login patterns

## **Where is the data stored - and for how long?**

- Cloud-based? Local? Can it be deleted?

## **Who else can access the data?**

- Is it shared with third parties or used to train future AI models?

## **Have parents/students been informed (or consented)?**

- Especially for tools used with minors

## **Can you use the tool without requiring personal data?**

- Try demo/test mode with generic input if possible

## **Is there a way to delete student data from the tool?**

- Look for “data deletion” or “clear records” options

# How to Check AI for Bias – A Teacher's Role

## Test with Diverse Inputs

- Try student samples from different backgrounds, learning styles, or language levels
- See if the AI response changes unfairly

## Review AI tools over time

- Track whether inputs favour specific writing styles, accents, or content types.

## Balance AI feedback with teacher judgment

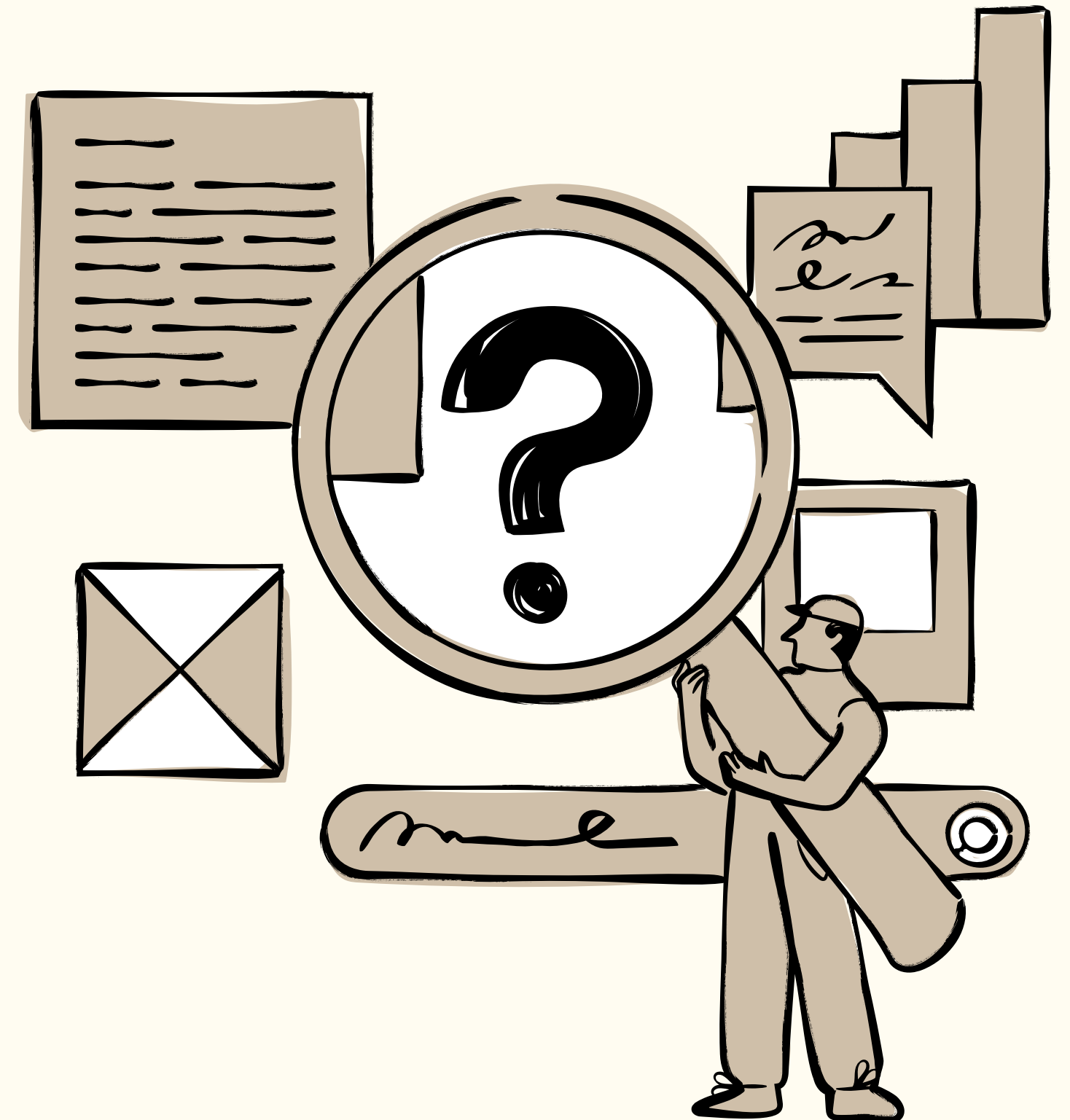
- Especially for culturally diverse, neurodiverse, or creative responses

## Encourage students to speak up

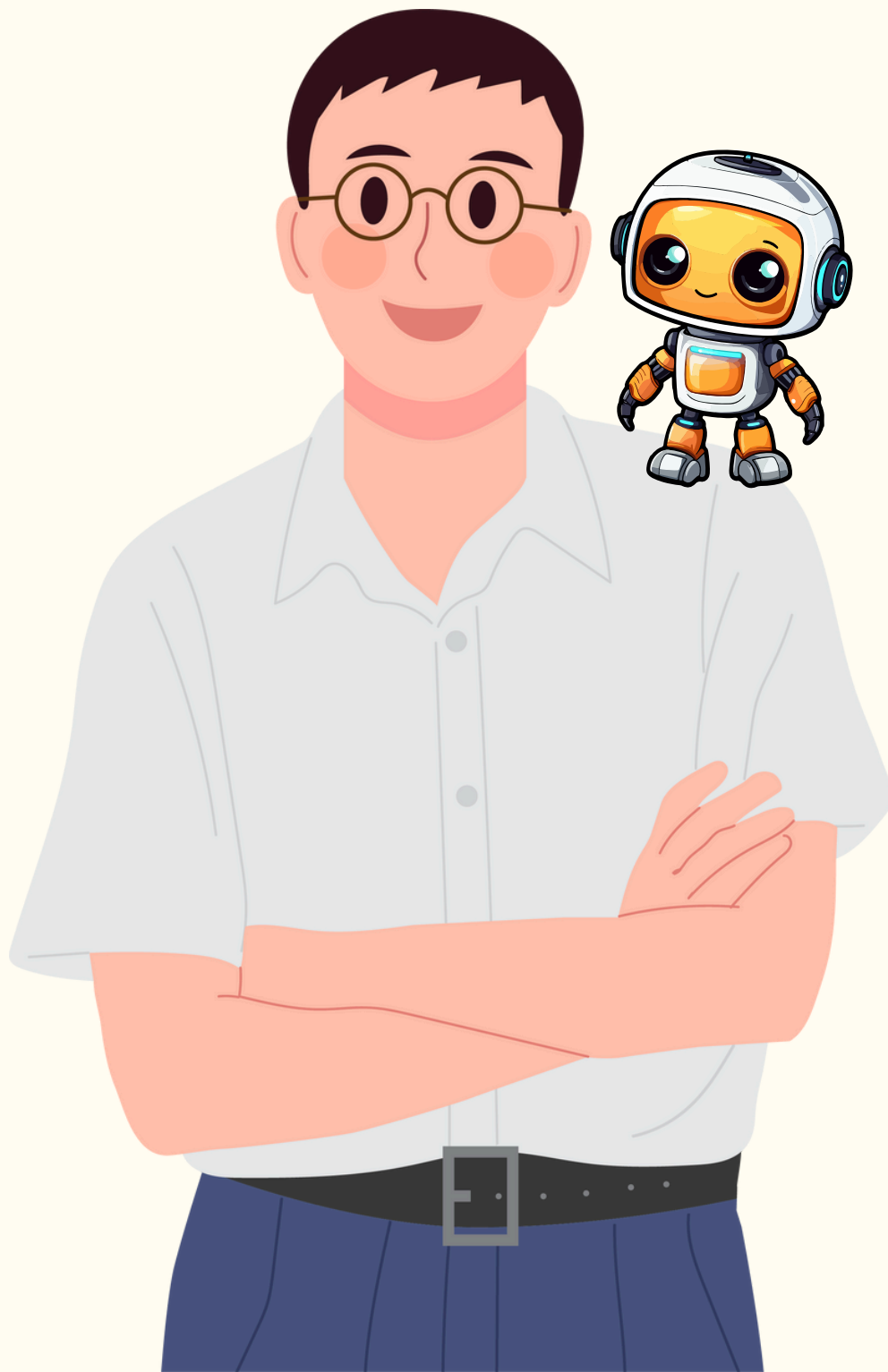
- Create a safe space for them to question or challenge AI-generated comments

## Give feedback and report to developers or admins

- Keep a record and flag patterns of concern



# You're Still in Charge – The Final Responsibility Is Yours



Teachers are accountable for AI-informed decisions

- AI can assist - but cannot be held responsible for outcomes

You must review, adapt, and justify AI outputs

- Whether it's feedback, grading, or lesson content

Legal and ethical responsibility lies with the human user

- Especially when dealing with minors, assessments, and privacy

Modelling responsible AI use teaches students ethical tech habits

- You're not just using AI - you're showing how to use it wisely



# Let's Get Hands-On!



# Canva AI

## Goal: Use Canva Magic Write to generate a teaching resource

### Transparency

- Is it clear this is an AI tool?
- Can you explain how it works?
- Will students know AI is involved?

### Privacy & Data Use

- Does it collect student data?
- Is the storage/sharing policy clear?
- Can it be used without login?

### Fairness & Bias

- Test with diverse inputs — is it fair?
- Any cultural or language bias?
- Could it disadvantage any learners?

### Output Quality

- Is the output accurate and relevant?
- Any signs of hallucination or error?
- Would you trust this without review?

### Classroom Fit

- Does it support teaching, not replace it?
- Would students/parents understand its use?
- Can it be adapted for different learners?



**Would I feel confident using this tool  
ethically and safely in my classroom?**

# Canva AI

## 1. Login to Canva

- Go to: [www.canva.com](https://www.canva.com) → Click “Docs”

## 2. Create a Blank Doc

- Click “+ Create a Doc”

## 3. Use Magic Write

- Type /magic and select Magic Write

## 4. Enter Your Prompt

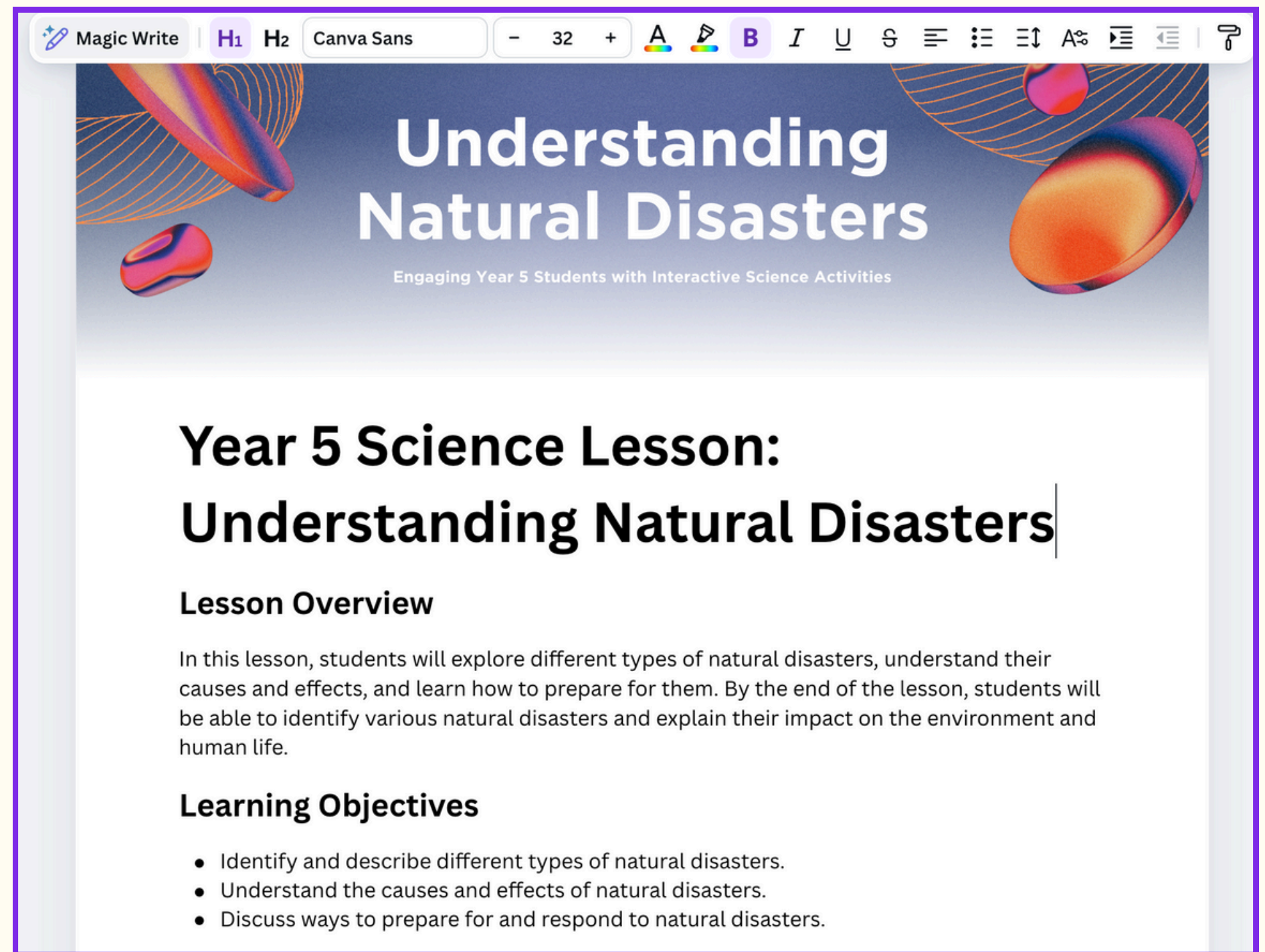
- Example:
- “Create a Year 5 science lesson on natural disasters with 1 student activity.”
- (Feel free to change subject/year level!)

## 5. Review the Output

- Use the ethical checklist

## 6. Discuss with a Partner or Group

- Would you use it? Why or why not?
- What would you change?



# Group Discussions

- What did the AI get right?
  - Was the content useful, creative, or time-saving?
- What concerns did you notice?
  - Any bias, inaccuracies, or missing context?
- Did it reflect your teaching values and student needs?
- Would you actually use this output in your classroom? Why or why not?
- What would students need to know before using a tool like this?

# Reflection time

- **What excites you most about using AI in your teaching?**
  - How could it improve your planning, differentiation, or feedback?
- **What concerns or ethical risks do you want to stay mindful of?**
  - Think about bias, privacy, over-reliance, or fairness
- **What's one specific way you'll apply what you've learned today?**
  - A classroom policy, a tool you'll test, and a discussion with your students
- **What do you want to learn more about after today?**
  - Responsible AI use? Privacy law? Specific tools?



# Tools you could use...



ChatGpt- AI chatbot for lesson planning, idea generation, and content creation.



**BRISK TEACHING**

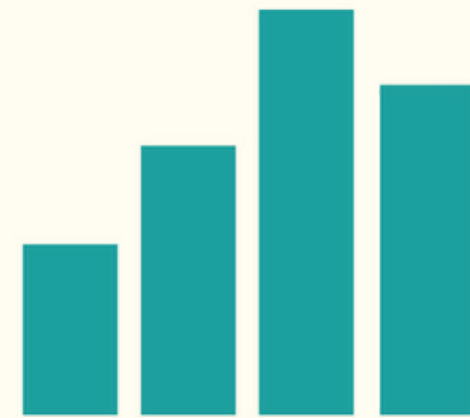
Brisk Teaching - AI Chrome extension for lesson planning, student differentiation, and writing feedback.



Design platform with AI tools for eye-catching teaching content.



Grammarly - AI tool for grammar checks, spelling fixes, and style suggestions.



gradescope

Gradescope - AI grading platform for assessments, coding tasks, and quizzes.