

Grade 1 Teacher



Curriculum Coordinator



Curriculum Coordinator





Grade 5

Cindy Blackburn

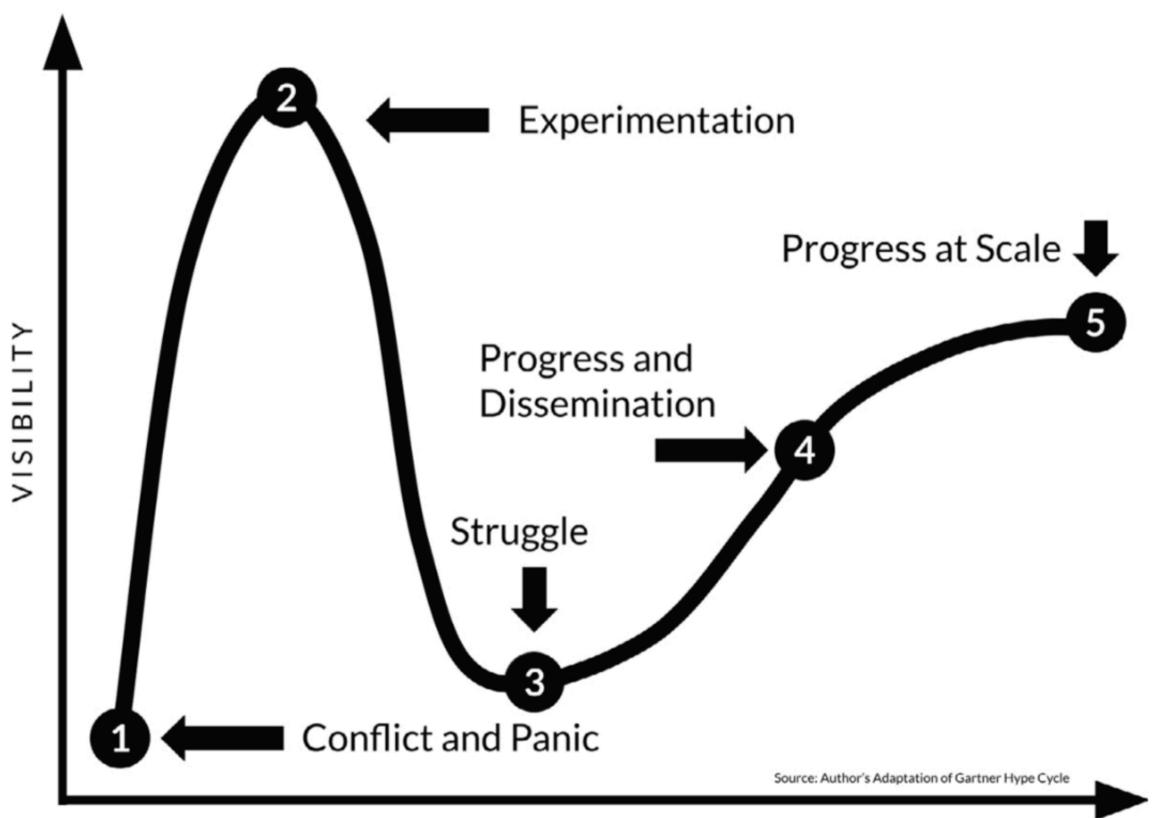


Director of Learning & Engagement



International **Education Consultant**

Educator & Al Hype Cycle



where are you from 1-5







policy → norms/stances

"By making policies accessible and engaging the entire learning community—students, parents, and educators—schools have fostered a shared understanding of AI's role in education."

(NAIS, 2024)

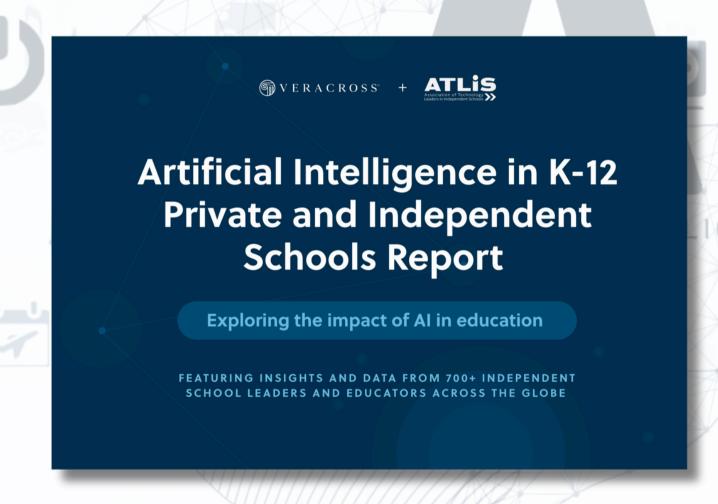
AI at Wesleyan

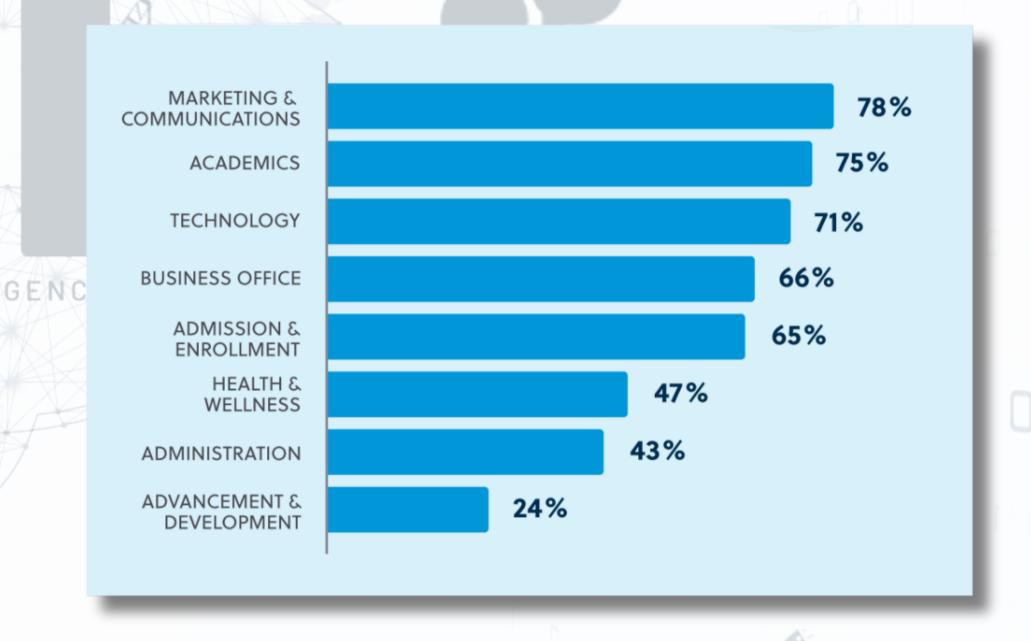
WESLEYAN SCHOOL

The student may ONLY use artificial intelligence (AI) on an assignment or activity with teacher permission. Citation is required. Unauthorized use of AI assistance on an assignment or activity is a violation of the Wesleyan Honor Code. The student may utilize AI to study class material independent of a specific assignment or activity without citation.



Never Allowed	×	The student uses AI to complete the entire assignment or activity with no original thought. Honor Code Violation
Never	8	The student passes off work from AI sources as his/her own original product. Honor Code Violation
Allowed at the Teacher's Discretion	0	Transformation The student uses AI to interact with real-world scenarios.
	0	Evaluation The student analyzes or debates with AI to grow his/her understanding.
he Teacher	0	Collaboration The student collaborates with AI to develop a product.
llowed at t	0	Enhancement The student consults AI to improve an original product.
	0	Generation The student uses AI to build background, check answers, or research.
Allowed	⊘	The student utilizes AI to study class material independent of a specific assignment or activity without citation.



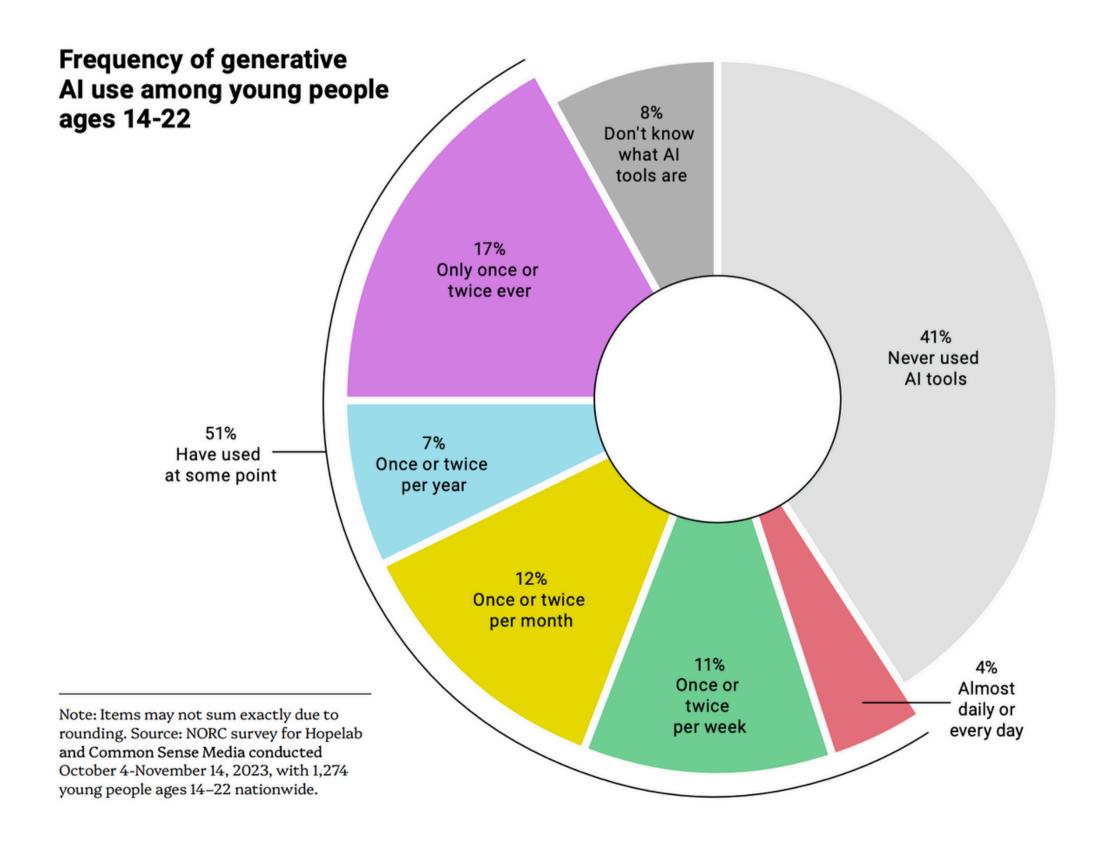


"A survey revealed that 59% of K-12 private and independent schools are actively exploring AI applications within their educational frameworks."

2024 = the year of integration

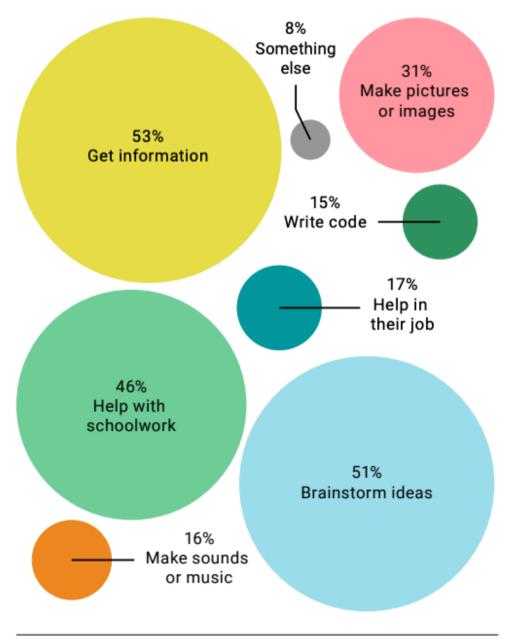
(ATLIS, 2024)

student use has increased



Finding information and inspiration are key uses

% of generative AI users ages 14-22 who have used it for the following reasons



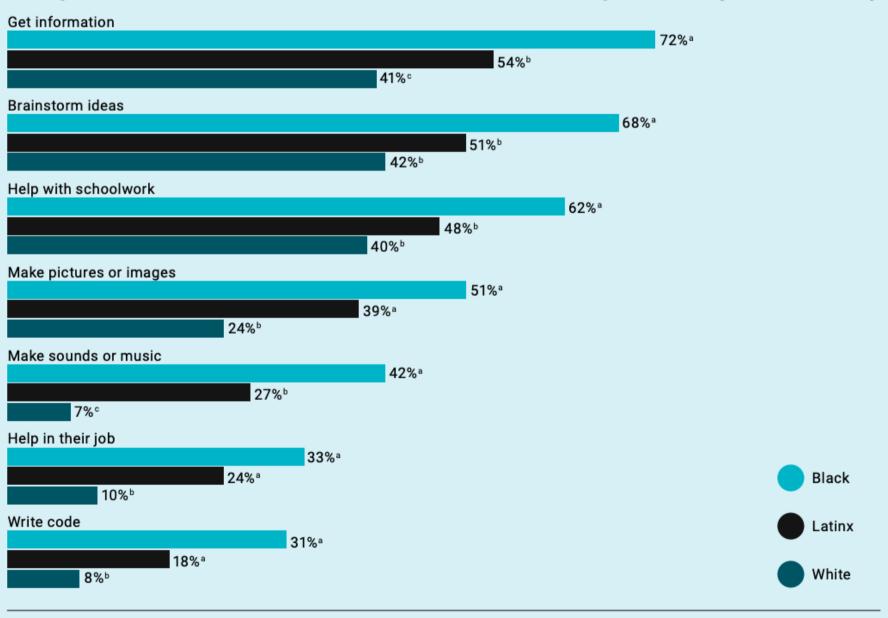
Source: NORC survey for Hopelab and Common Sense Media conducted October 4-November 14, 2023, with 632 young people ages 14–22 nationwide who reported using generative AI.

but even more exciting... student use has increased **equity**

KEY FINDING 2:

The most commonly reported uses of generative AI are for **getting information** (53%) and **brainstorming** (51%). Among those who used generative AI, Black and Latinx young people are significantly more likely to use it for most activities.

% of generative AI users who have used it for the following reasons by race/ethnicity



Note: Items may not sum exactly due to rounding. Items with different superscripts differ significantly across bars within each category (p<.05). Source: NORC survey for Hopelab and Common Sense Media conducted October 4-November 14, 2023. Responses represent 573 young people who reported using generative AI, including 158 Black young people, 190 Latinx young people, and 225 white young people ages 14–22 nationwide.

Al literacy

"a set of competencies that enables individuals to critically evaluate AI technologies, communicate and collaborate effectively with AI, and use AI as a tool online, at home, and in the workplace."

Long and Magerko, (2020)

every teacher is a literacy teacher

into curriculum and learning

By 2022, only
15 countries
had included Al learning objectives in their national curricula

"By mid-2024, 60% of districts had introduced professional development programs for Al literacy."

(RAND Corporation, 2024)

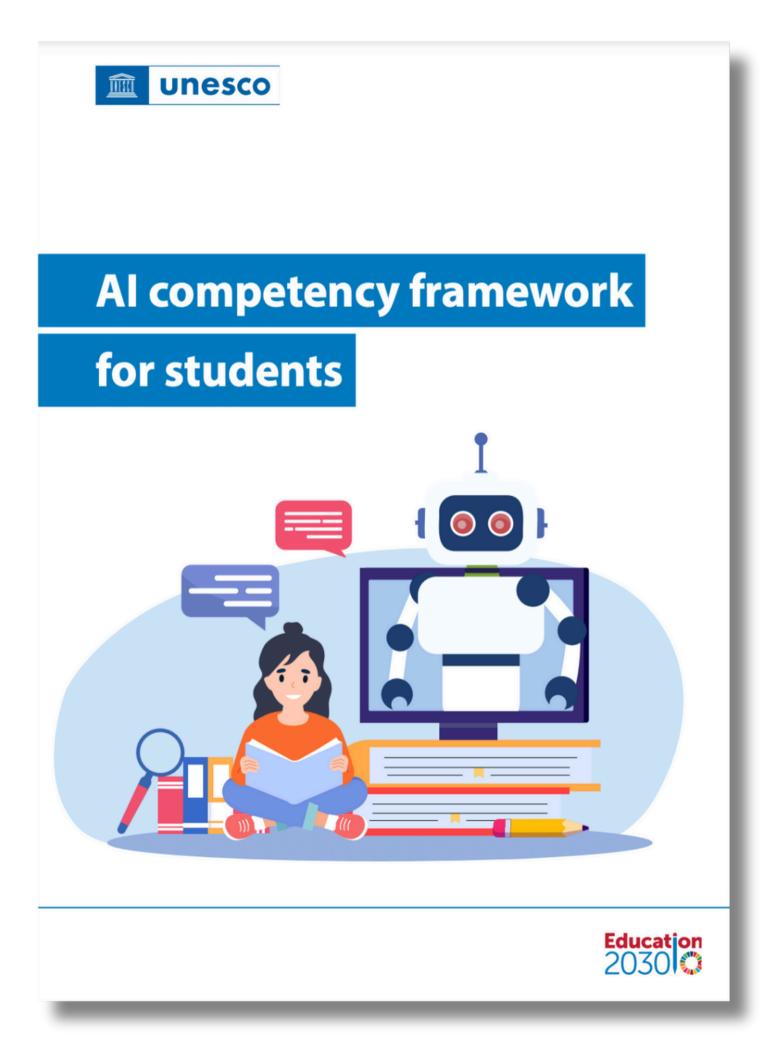
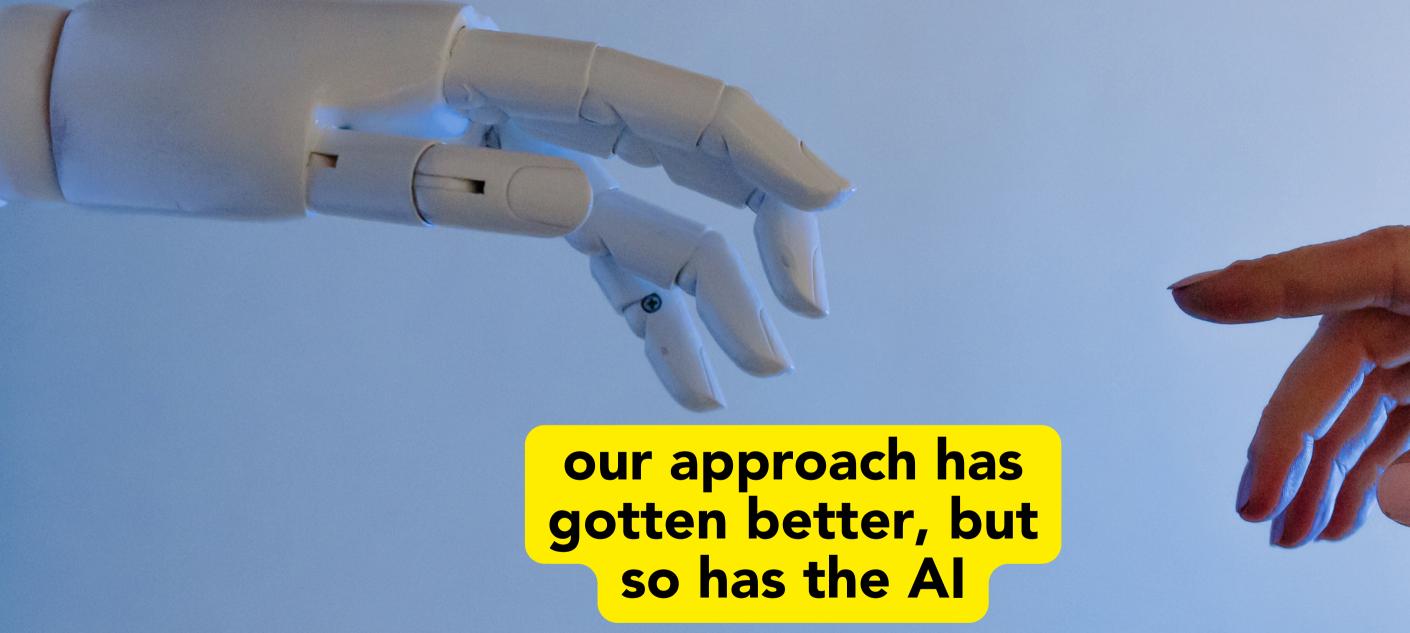


Table 1. AI competency framework for students

Competency aspects	Progression levels			
	Understand	Apply	Create	
Human-centred mindset	Human agency	Human accountability	Citizenship in the era of Al	
• Ethics of Al	Embodied ethics	Safe and responsible use	Ethics by design	
Al techniques and applications	Al foundations	Application skills	Creating AI tools	
Al system design	Problem scoping	Architecture design	Iteration and feedback loops	





"the free version of ChatGPT 3.5 had a hallucinatory rate of 80% on medical citations," which "GPT-4 dropped to 20%" (Mollick, 2024) Tell me about the current war in Ukraine.



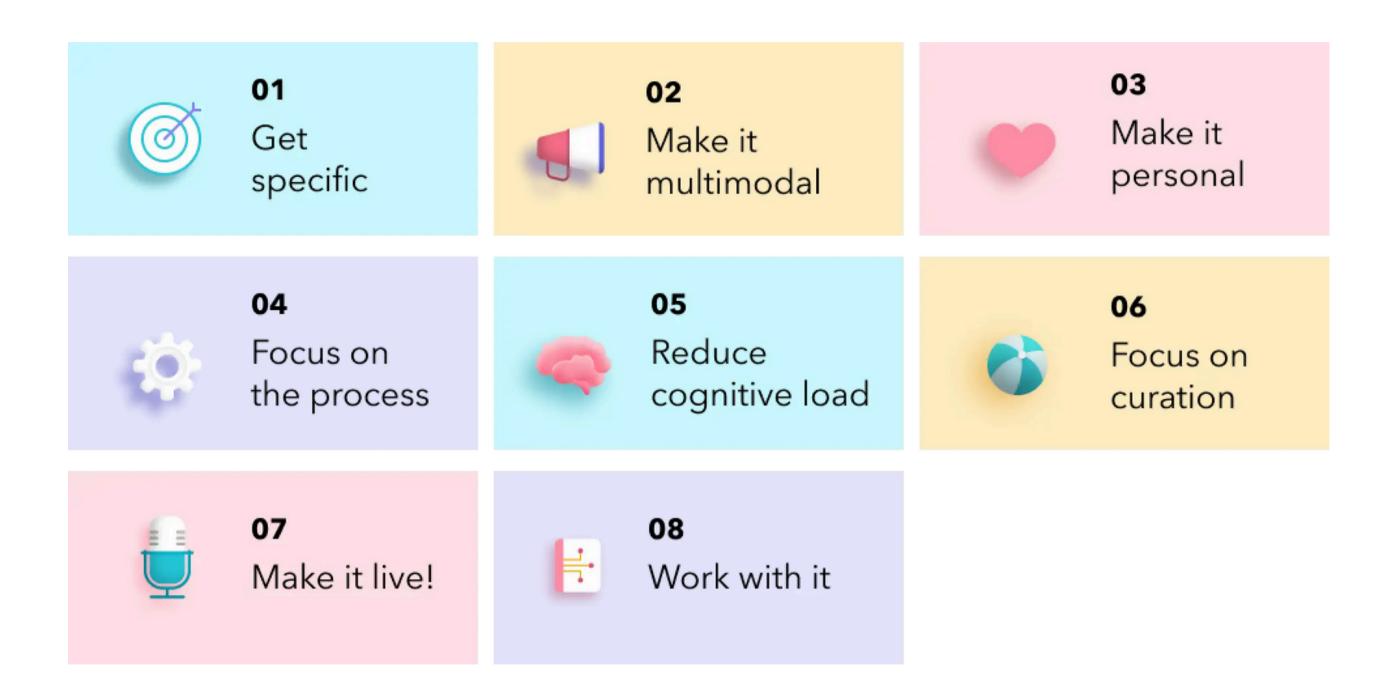
I'm afraid I don't have real-time information. My training only includes knowledge up until January 2022, and I can't provide updates on current events. For the latest information on the situation in Ukraine, I recommend checking reliable news sources or official statements from relevant authorities. If there's anything else I can help you with or discuss, feel free to let me know!





Midjourney 2022 vs. 2023 for prompt, "black and white picture of an otter wearing a hat." from Cointelligence

8 Strategies for ChatGPT-Proofing Assessments







Evolution by Natural Selection:

An explanation for biodiversity?

In your video project, explore a mix of scientific evidence like fossils, genetics, and body structures to dive into evolution and biodiversity. Share your thoughts on how reliable this evidence is, and explain how it supports or challenges the idea of evolution. Link these ideas together to show their connection to biodiversity, and wrap up your video with a clear, creative conclusion drawn from your findings.

remember, you are using the worst version of AI you will ever use.



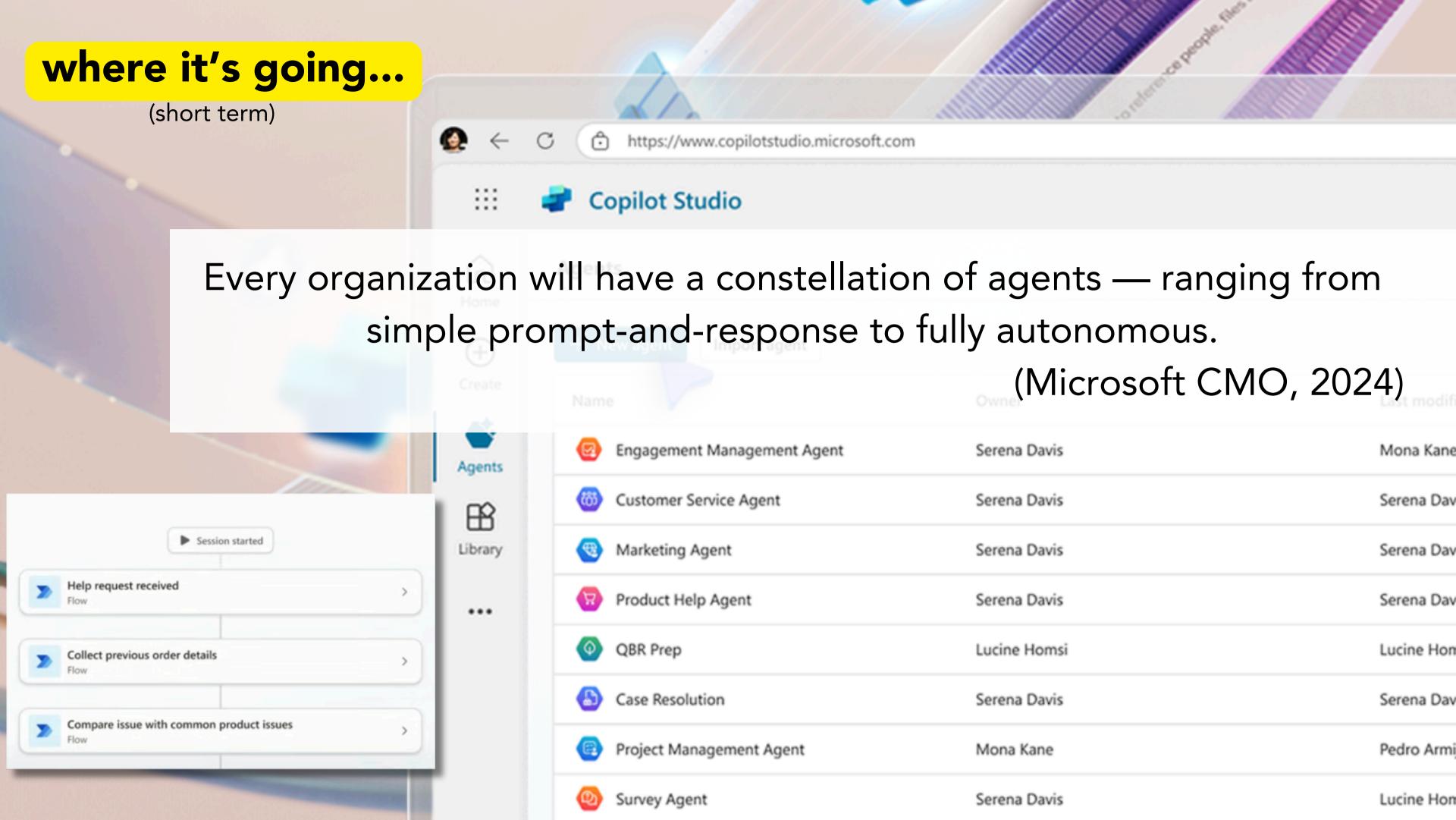
2025... the year of agents



what is an Al agent?

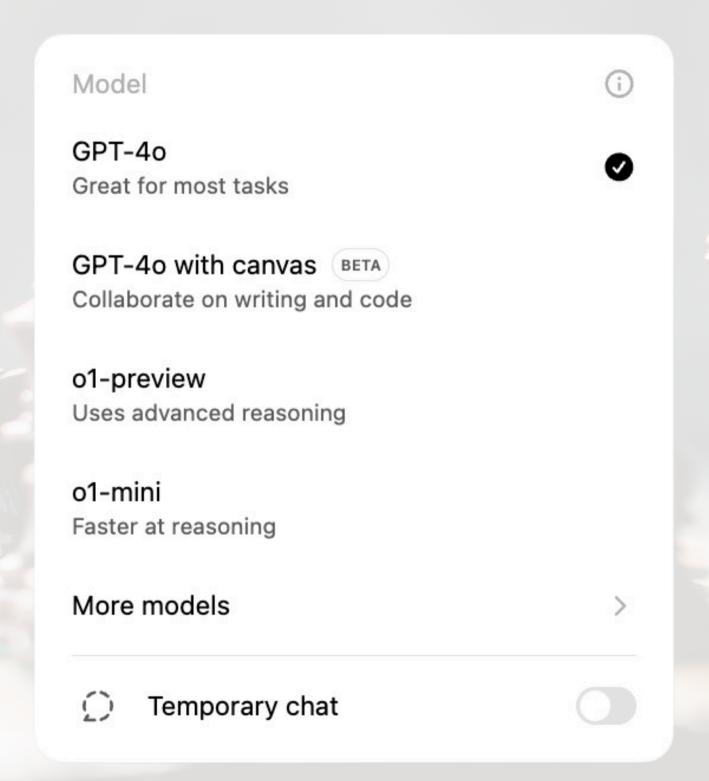
ai agent = ai model + tool + memory

toddle

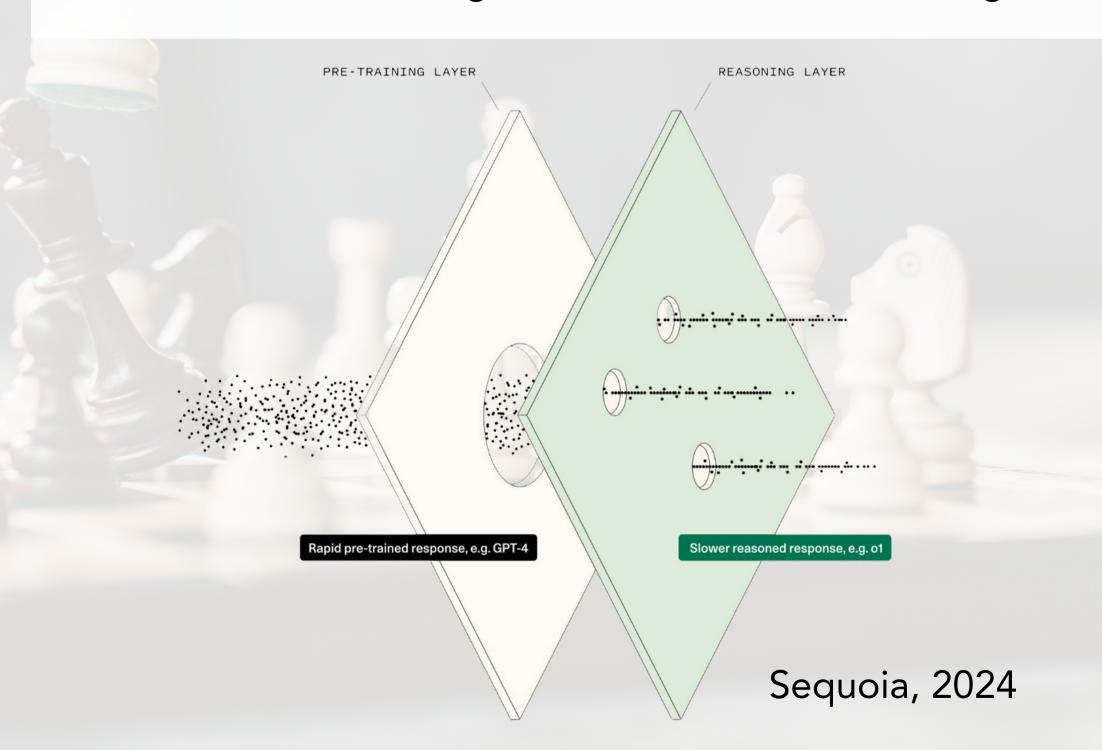


where it's going...

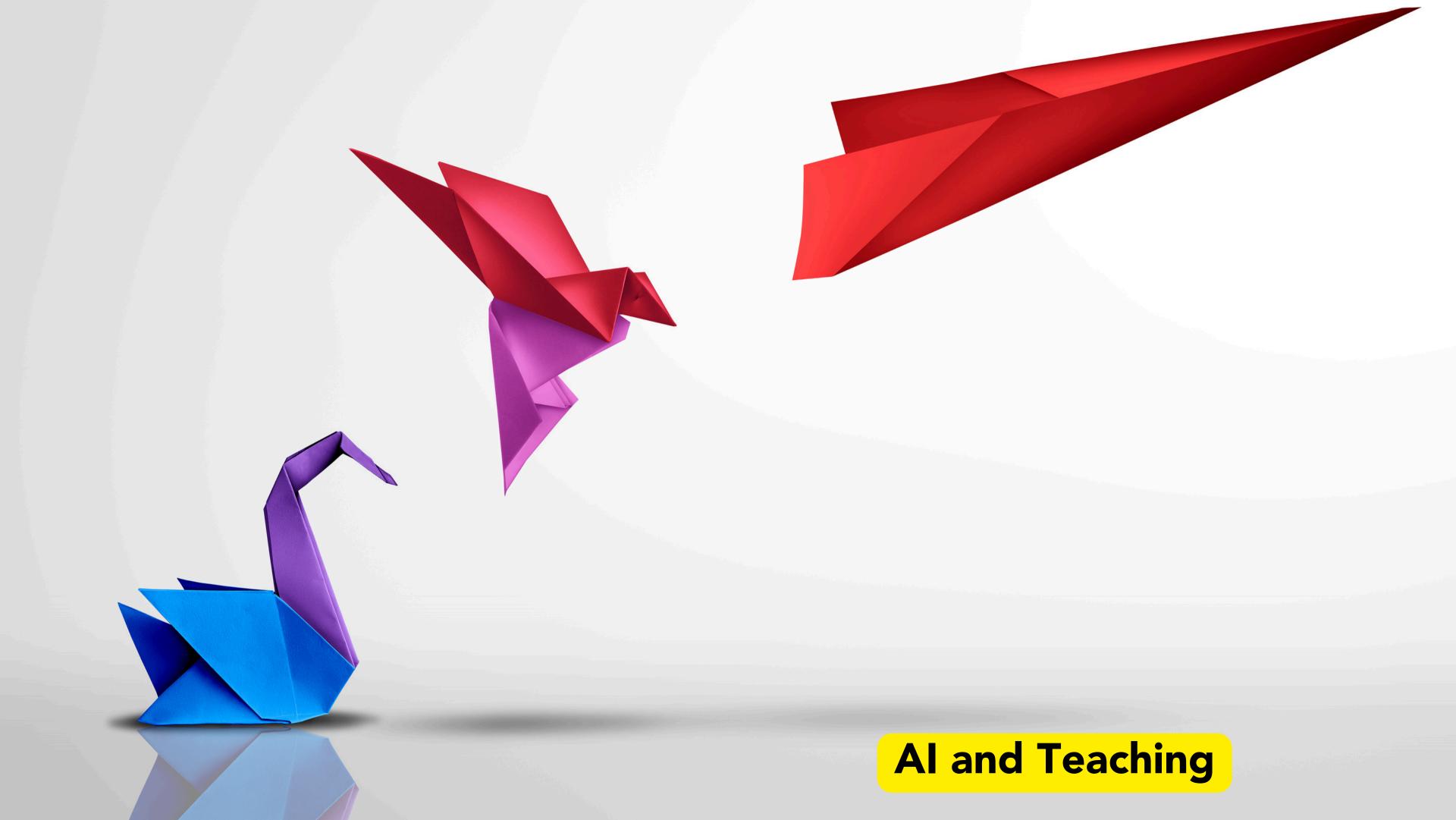
(short term)



"When a model "stops to think," it isn't just generating learned patterns or spitting out predictions based on past data. It's generating a range of possibilities, considering potential outcomes and making a decision based on reasoning. "





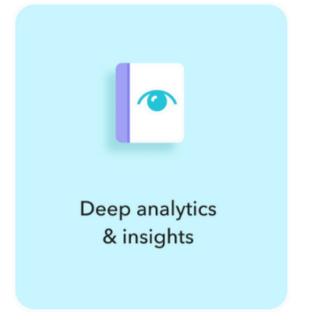


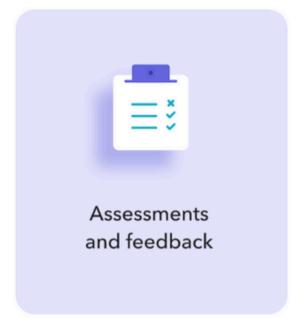


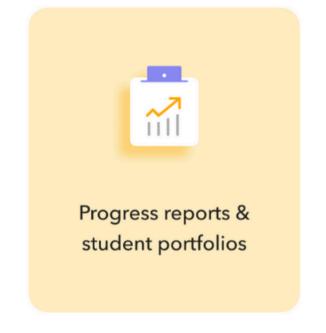
one tool for everything teachers do.

Intuitive | Comprehensive | Powerful



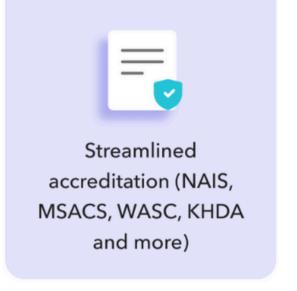






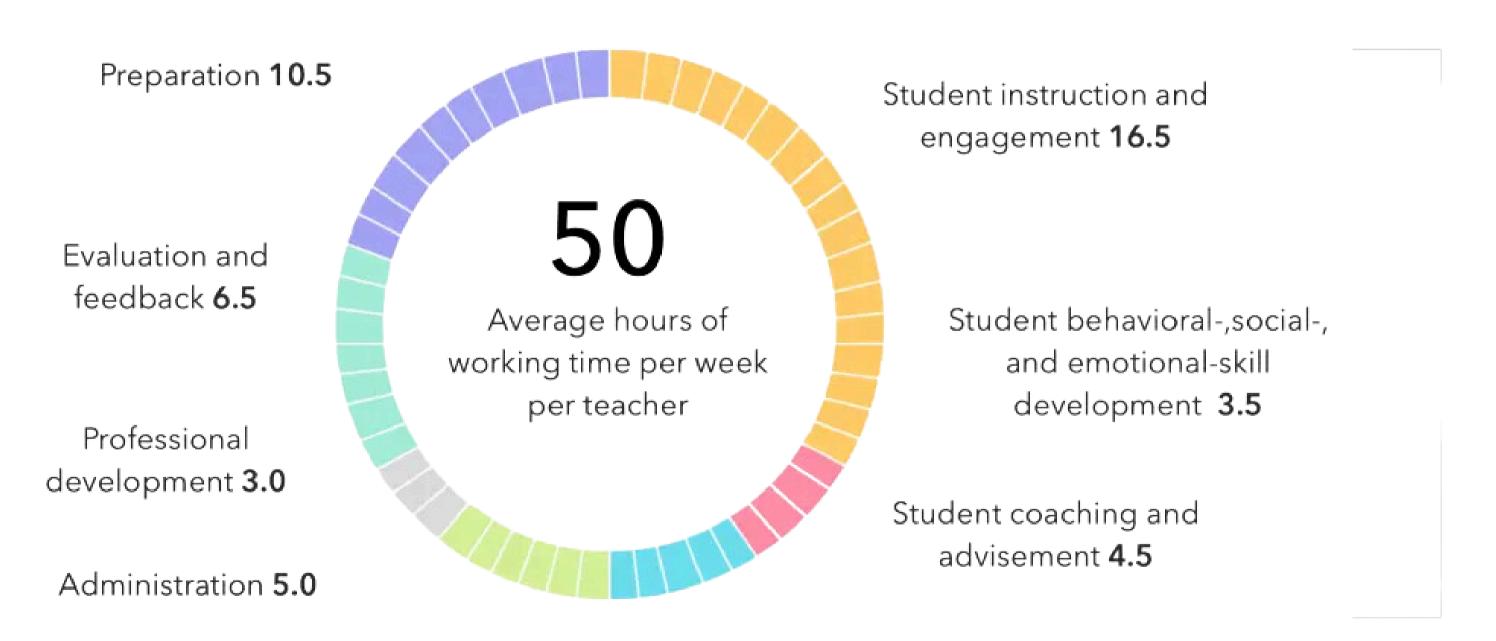






when Al emerged...

Teachers work about **50 hours a week**, spending less than half of the time in direct interaction with students.



only

49% of time is in direct interaction with students

Al helps you work faster... and better.

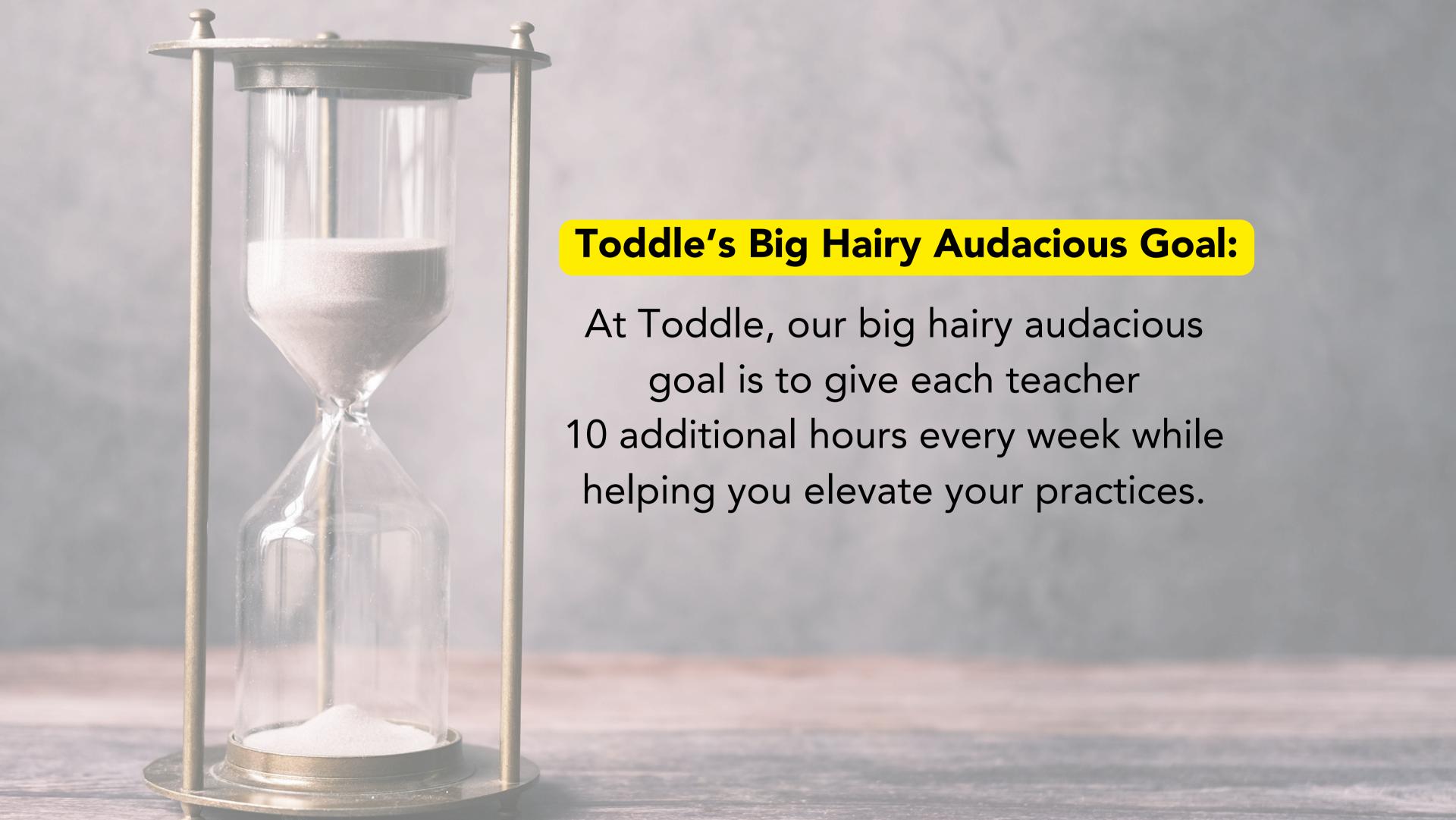
what we know so far...

"Half of participants were given access to the chatbot ChatGPT-3.5, developed by the company OpenAl, for the second assignment. Those users finished tasks 11 minutes faster than the control group, while their average quality evaluations increased by 18 percent."

(Winn, 2023)

"Using ChatGPT is helping employees work more efficiently, the survey showed. One in four said it helps save 10 hours a week, while 4% of workers who use the tool say it saves them more than 20 hours per week. Only 7% of weekly ChatGPT users say the tool isn't saving them anytime per week.

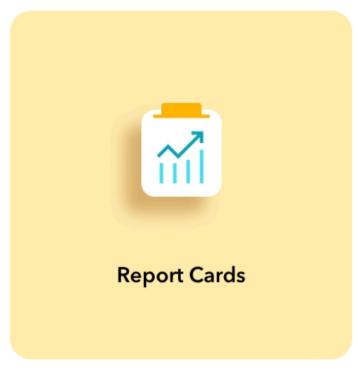
Since starting to use ChatGPT at work and saving time by doing so, **78% of workers say their** work-life balance has improved, while 52% say their mental health has. Fifty-one percent also say they have more time to spend with friends and family. " (Chao, 2023)



where we started...

Advanced AI embedded in all your workflows









if you build it (well), they will come...

60,000+

Learning Experiences created



80,000+

Progress Report Comments written



46,000+

Hours saved



initial assumptions

- adoption and upskilling would be challenging
- teachers would enjoy a "magical" experience

initial assumptions

- adoption and upskilling would be challenging
- teachers would enjoy a "magical" experience

what we learnt

- thanks to GPT, teachers were super ready for Al
- teachers needed more control, more transparency

lesson planning v1

5

11

5

5

3

8

3

2





Toddle AI, your teaching assistant







a Drive inquiry in the unit

Launch inquiry

Dive into inquiry

Differentiation

Reflect and take action

Integrate PYP elements

Key and related concepts

Learner profile attributes

Approaches to learning

Subject standards

a Drive inquiry in the unit

Launch inquiry

* Brainstorm ideas to tune into the unit

+ Brainstorm ideas to identify students' prior understanding related to the unit's central idea

Q Search using keywords, for e.g. research, experiments

+ Create a provocation table to pique student interest about a specific line of inquiry

+ Create a collaborative process for forming and refining students' questions related to the unit

+ Brainstorm ideas to create an enabling learning environment for the unit

Dive into inquiry

. Generate ideas for student-friendly research questions and methods to explore a specific line of inquiry

+ Brainstorm activities to support learners in co-constructing success criteria for the unit

♣ Curate resources to guide research into specific questions

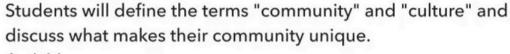


X









Activities:

- 1. Opening Discussion (10 min):
 - Ask students to describe their community. Write their answers on the board.
 - Introduce the idea that communities can exist anywhere in the world, and people have different cultures.
- 2. Interactive Activity (15 min):
 - Classroom Map of the World: Create a large map of the world on the board or use a digital map. Have students place a sticker or flag on where they think their ancestors came from. This will spark a discussion about diversity in their classroom.
- 3. Group Work (15 min):
 - In small groups, students will create a "Culture Collage" using magazines or printouts. They can include things like food, clothes, music, etc., from their own community and share with the class.
- 4. Homework:
 - Ask students to talk to their family about one tradition or custom that is unique to their family. They will share this tomorrow.

Add to assessment Copy Regenerate





Cancel

Select

Type your question here or browse ideas in the suggestion library



lesson planning v2





Hey, I'm Toddle AI. I'm here to help!

I can help you generate ideas or create detailed learning experiences. You can select a task from the list of suggestions or just type in the chat box.

My class just finished researching a civilisation of their choice and presenting it to the class, in groups. I want students to now work individually on a writing prompt using their research in a creative way, and showcasing their individual understanding on the topic. Grade* Grade 5 **Ancient Civilizations** Associated unit Transdisciplinary theme How we express ourselves Learning about past societies enables peo... Central idea Approaches to learning skills 2 selected Subject standards 2 selected Lines of inquiry Select Select Concepts Learner profile attributes Select Suggestion library ₩ Hide context Attach 文 English (American)

progress reports



Comment bank Voice and output structure

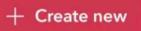
Voice and output structure

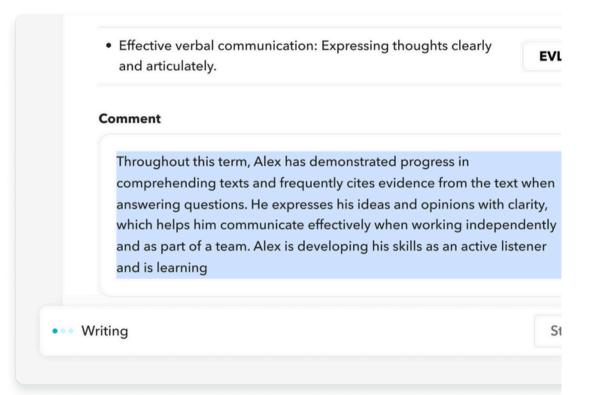
Encouraging and supportive 👈

Professional & Objective

Positive & Growth-Oriented

Define Toddle Al's voice and output structure for progress report comments





Encouraging and supportive

Created by Toddle

The Encouraging & Supportive voice and tone is designed to uplift students by acknowledging their effort and progress, while motivating them to keep moving forward. This tone emphasizes positive reinforcement, focusing on the student's strengths and areas of improvement without being overly critical. It helps build confidence, fosters a growth mindset, and provides constructive feedback in a nurturing way. Here's an expanded guide on this tone:

Key Characteristics:

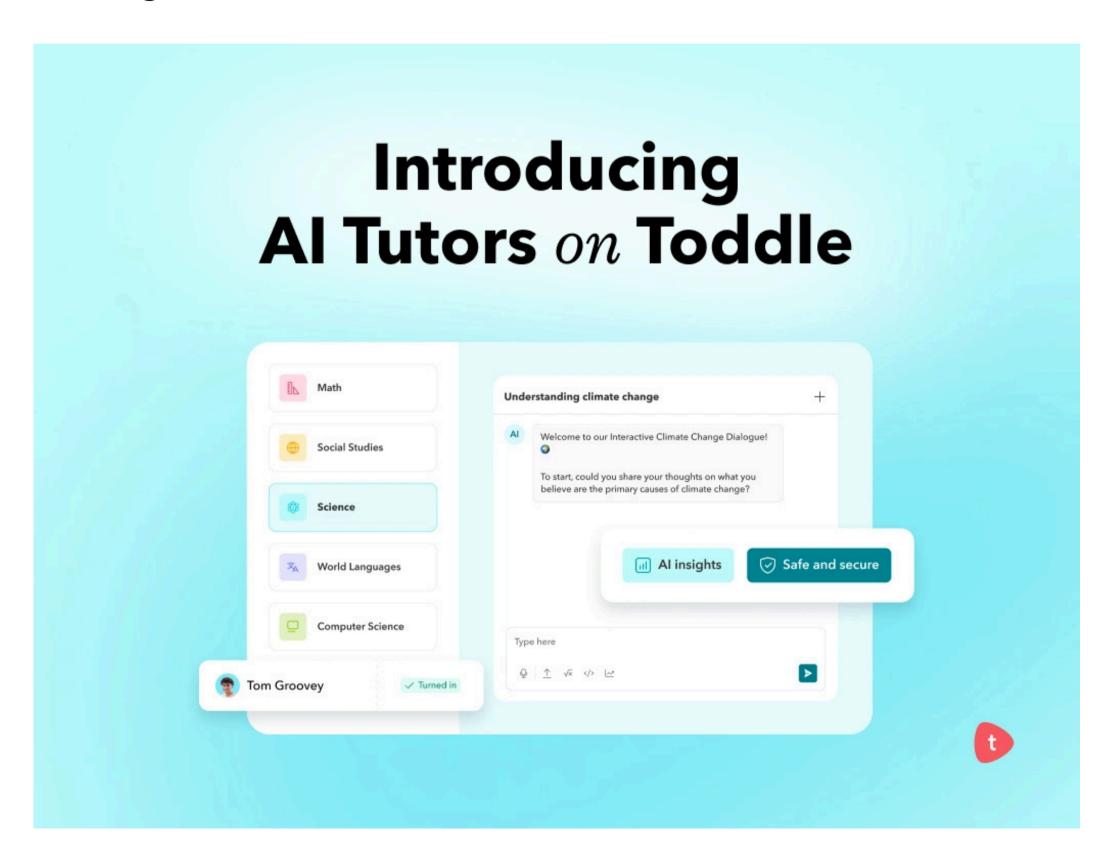
- 1. Positive Language: Use words that highlight success, effort, and progress, avoiding negative or discouraging phrases.
- 2. Acknowledgment of Growth: Recognize the student's achievements, no matter how small, to reinforce the value of persistence.
- 3. Motivational and Forward-Looking: Encourage the student by focusing on what they have achieved and what they can still achieve, emphasizing their potential.
- 4. Constructive Feedback Framed Positively: When addressing areas of improvement, frame it in a way that suggests future success is possible through continued effort.
- 5. Warm and Empathetic: Use language that shows understanding and care, ensuring the student feels supported throughout their learning journey.

When to Use:

- When you want to highlight a student's consistent effort and improvement.
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our newest offering:

and the thinking that's behind it

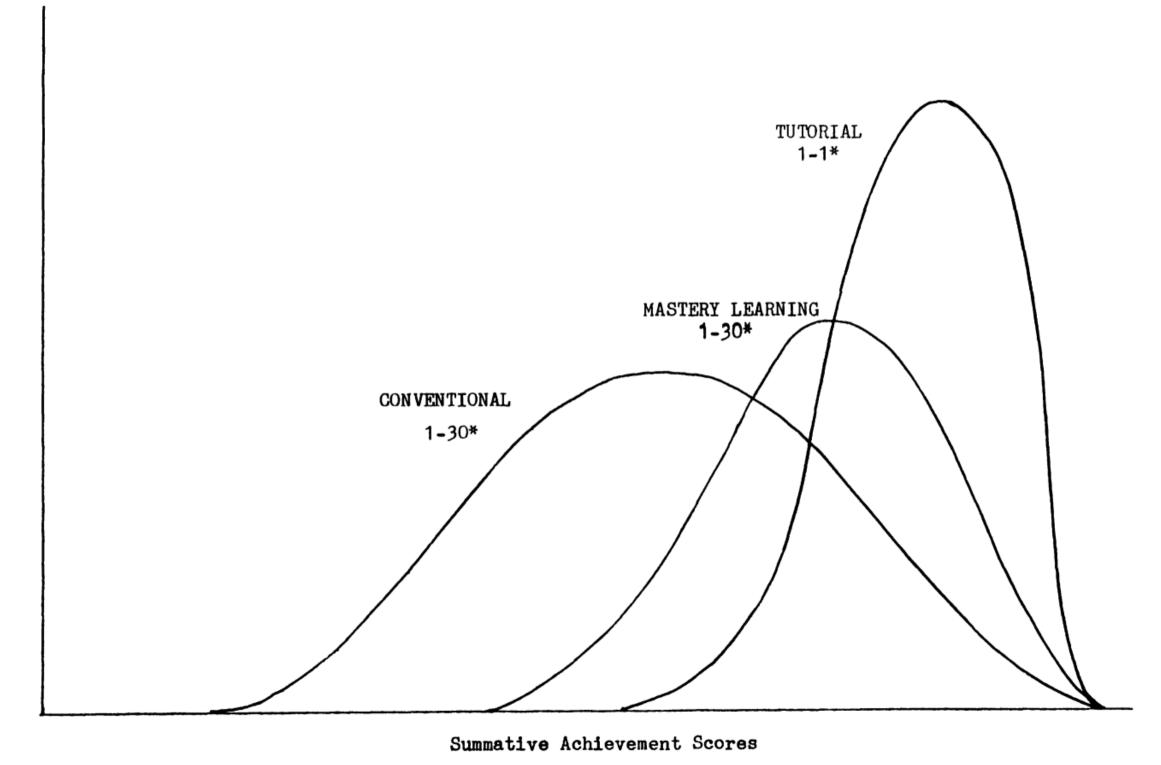


The 2 Sigma Problem

FIGURE 1. Achievement distribution for students under conventional, mastery learning, and tutorial instruction.

"about 90% of the tutored students ... attained the level of summative achievement reached by only the highest 20%"

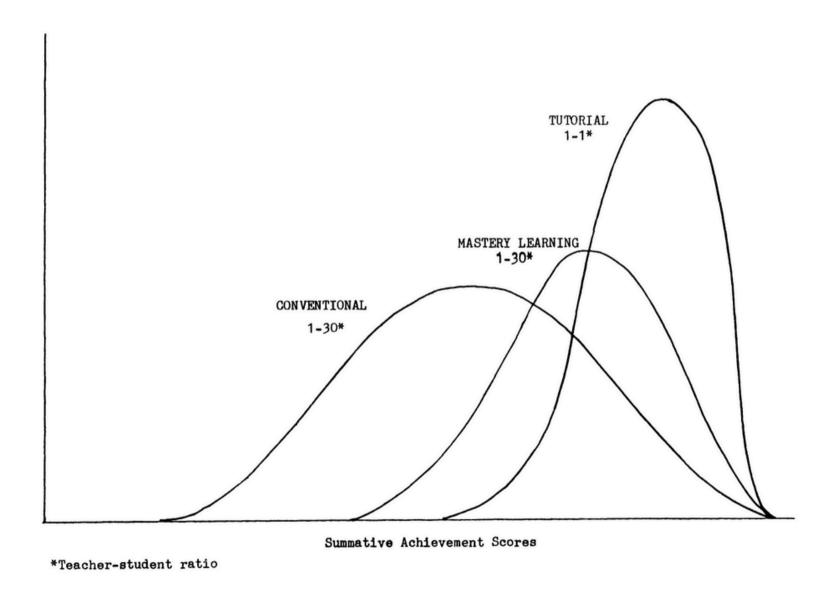
Bloom, 1984

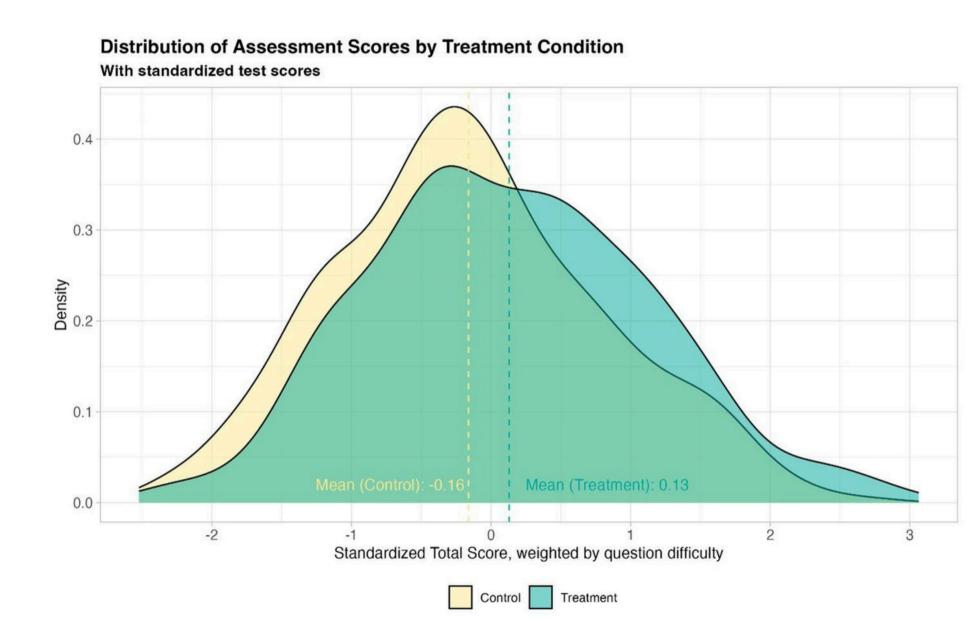


*Teacher-student ratio

The 2 Sigma Problem = a reality for all

FIGURE 1. Achievement distribution for students under conventional, mastery learning, and tutorial instruction.





Six weeks of after-school teacher-led AI tutoring increased test scores by .3 SD, equivalent to 2 years of typical learning gains, outperforming 80% of other educational interventions.

Ethan Mollick, 2025



Ethan Mollick in Author

23h •••

Associate Professor at The Wharton School. Author of Co-Intelligence

And since it isn't clear to everyone who doesn't read the blog post - the fact that this is teacher-led is likely very important. We know that independent use of AI as a tutor can harm learning in some circumstances, because it gives the illusion of learning.

the goal:

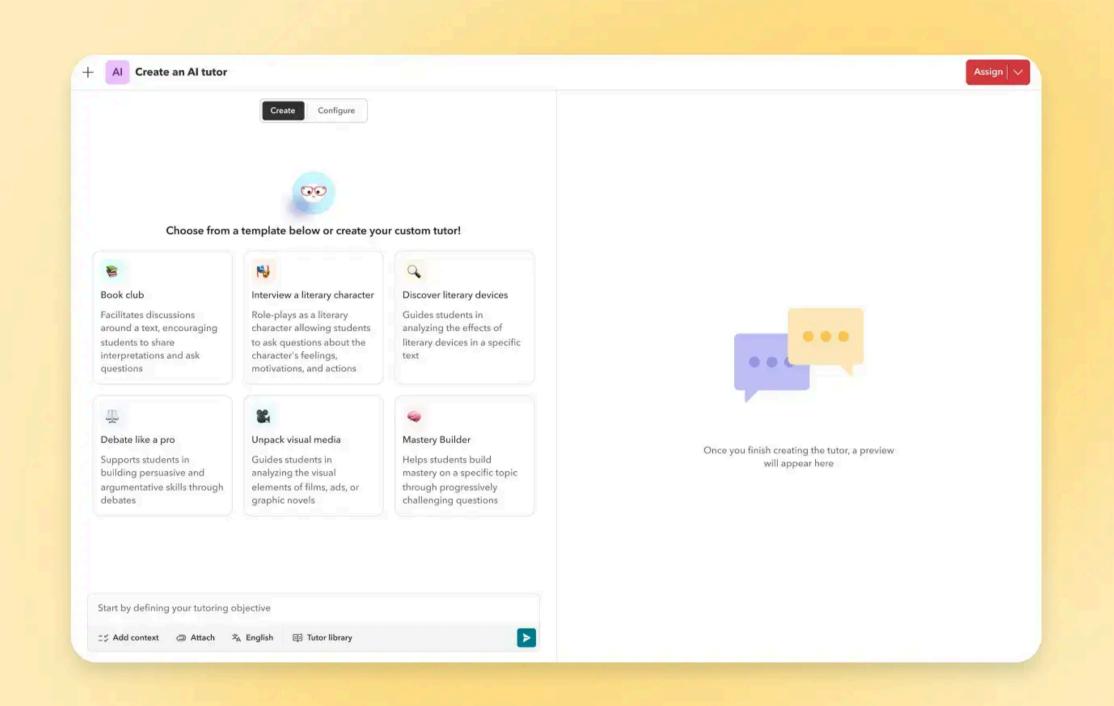
Deliver personalised learning to students

the goal:

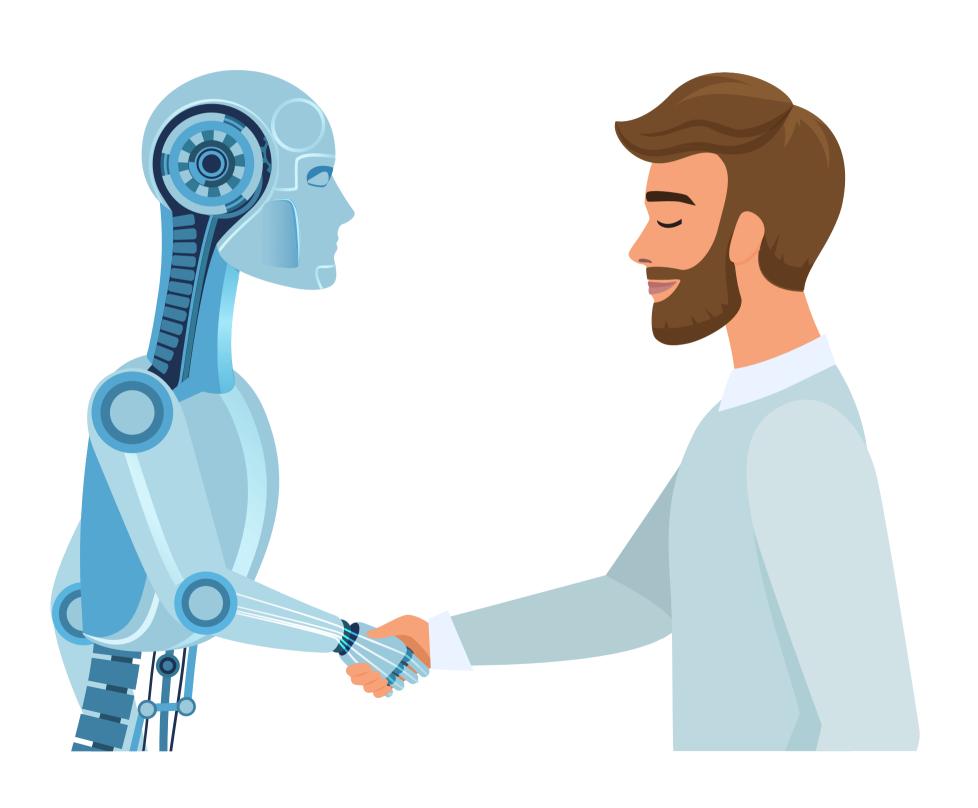
Deliver personalised learning to students while keeping teachers in the driving seat

let's take a look

- 1. define your tutoring objective
- 2. configure the tutor
- 3. play with it as if you were a student
- 4. each students gets personalised help
- 5. get Al powered feedback

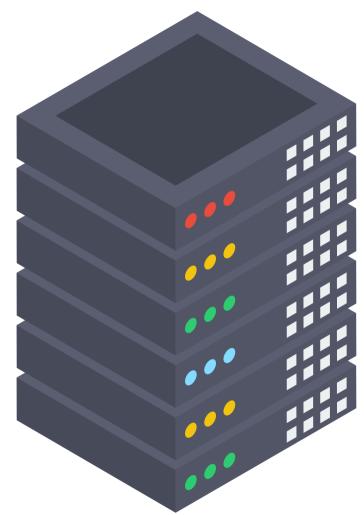


not designed to replace, but to augment



- used strategically across a unit
- another way to gather data about students' capability and interests
- quicker pattern recognition

a walled garden...



Hosted on secure serversstudent and teacher data is not used to train future models



All PII is anonymized before being sent to any LLM

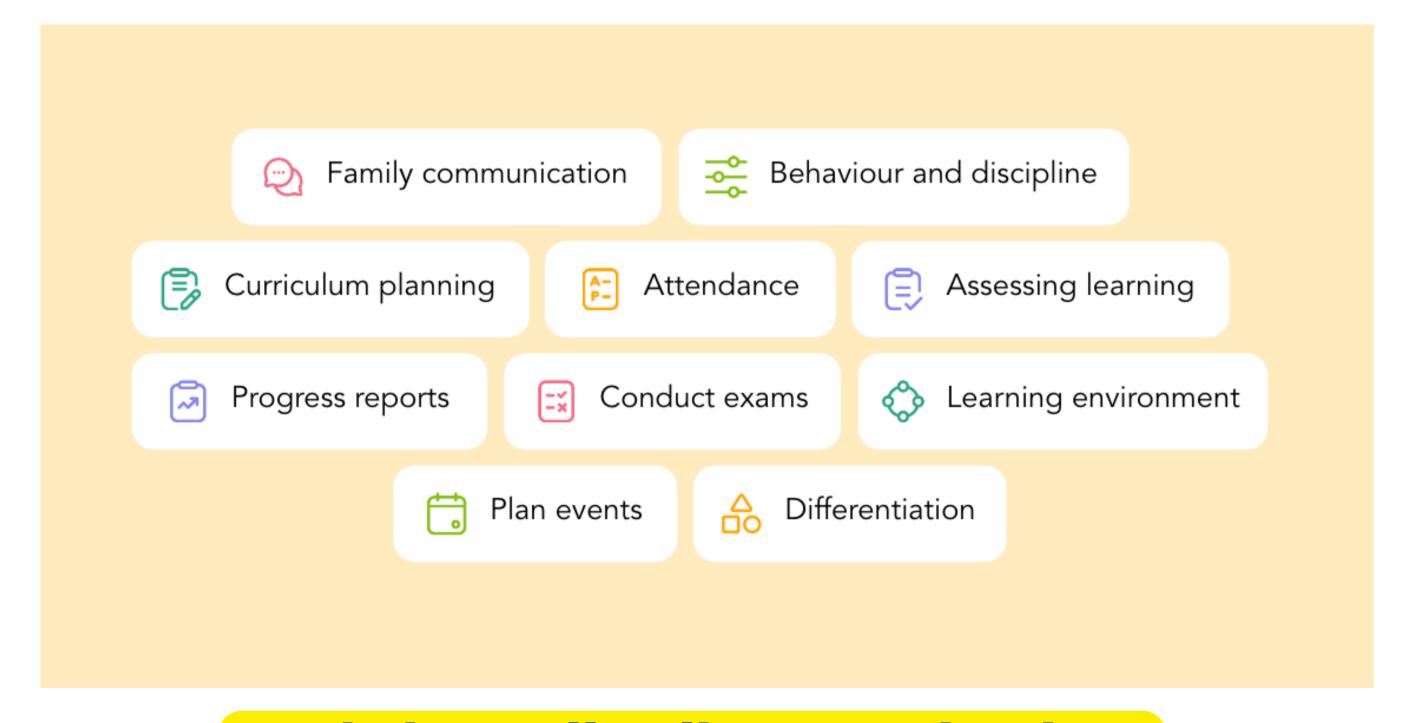








an ai agent for every need



and they all talk to eachother



