

Using AI Tools to Reimagine Education

Mark Stanley - CEO Literatu

Good morning

I'm **Mark Stanley**, Founder and CEO of Literatu
– the company behind **Scribo AI** and **Presto AI**



Scribo is an English AI platform helping every teacher to help every student writer to master English writing



Agenda

01

GPT - what is it ?

02

How GPT is changing education

03

AI in action supporting English teaching and learning

04

CHAT-MC^E

05

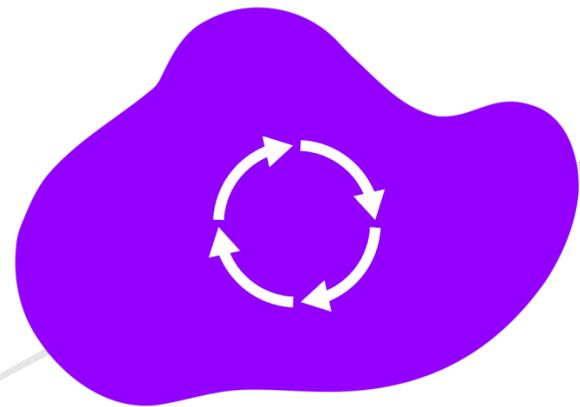
The future of AI is driven by you



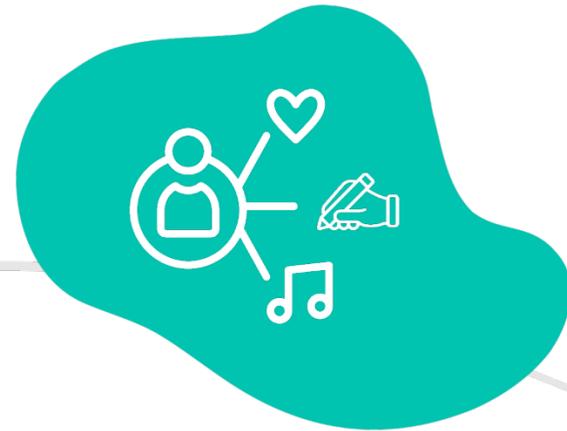
01 GPT - How?

What is GPT?

Generative Pre-Trained Transformer



Get vast amounts of unlabeled data . GPT 3 was basically fed [the entire open internet](#) and then left to crunch through and draw its own connections.



All text is broken down into tokens. AI models break text down into [tokens](#). Many words map to single tokens, though longer or more complex words often break down into multiple tokens. GPT-3 was trained on roughly 500 billion tokens.



The training creates complex, multi-layered weighted algorithms in a deep neural model.

Three things happen:

- Positional encoding
- 2. Attention
- 3. Self Attention

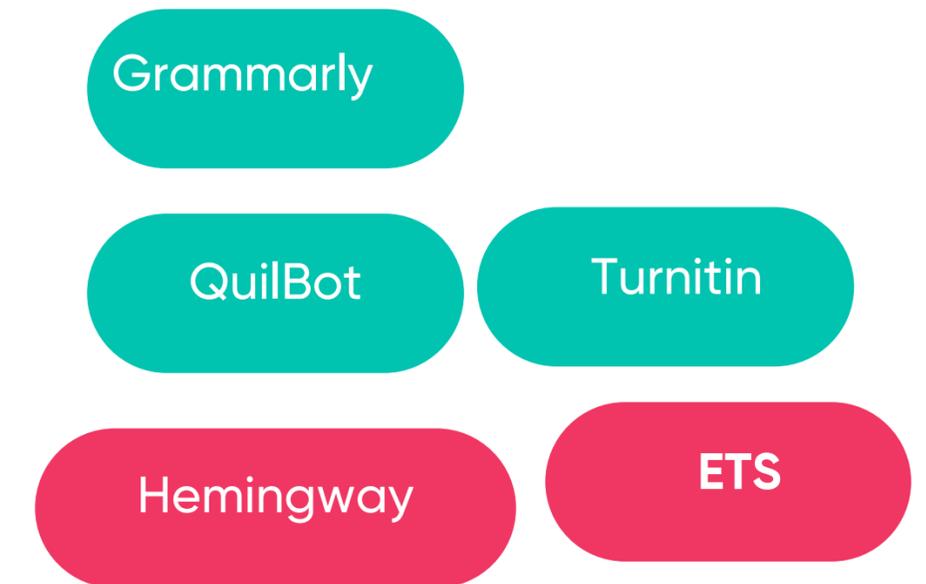
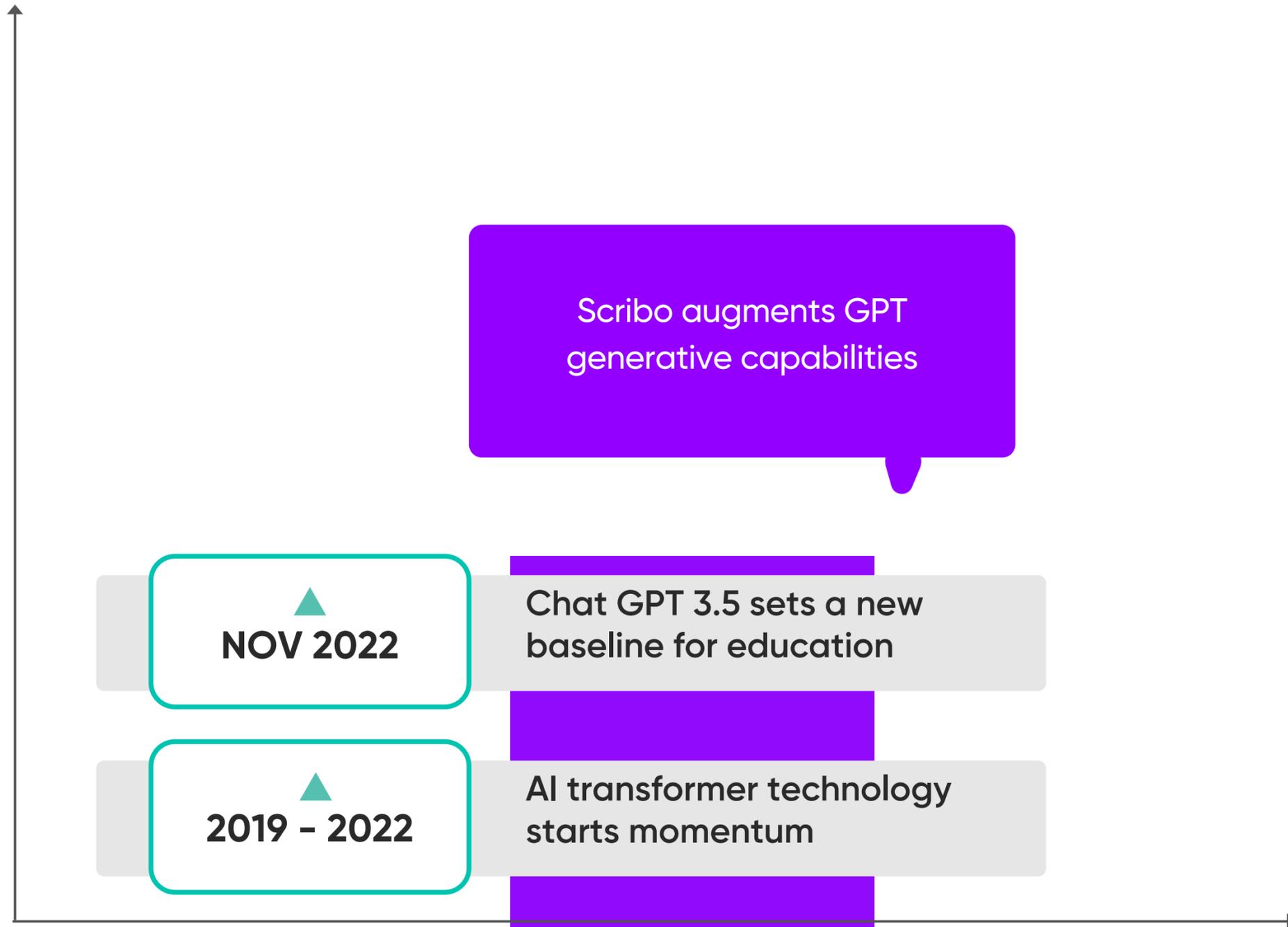
Humans helped train the models.



Based on these weightings, the model outputs what it thinks best matches your request. GPT outputs one word at a time, using the maths to find and build a response to your question.

02 The changes in Education

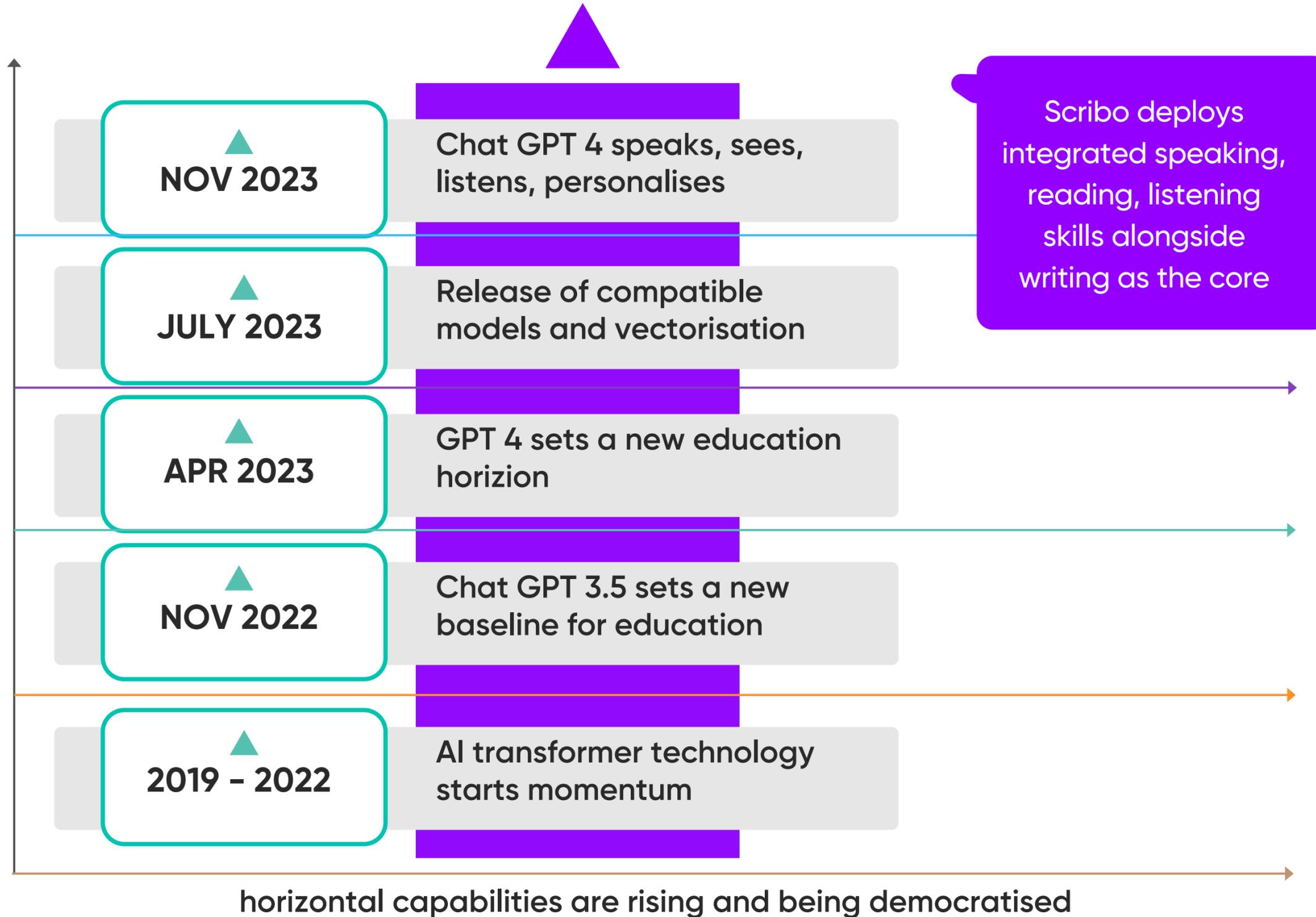
The potential Education Operating System in 2022



Products Impacted

The future Education Operating System into 2024

Scribo models and vertical capabilities dominate English writing support



Scribo deploys integrated speaking, reading, listening skills alongside writing as the core

500 products caught in rising horizontal capabilities

- Assessment platforms
- multiple publisher and content players
- Speaking platforms
- Teachers pay teachers
- image creation, design
- Grammarly
- Turnitin
- QuilBot
- ETS
- Hemingway

Products Impacted

The big concerns



Google's cut and paste feature was a game-changer for content creation. GPT takes it to a whole new level.

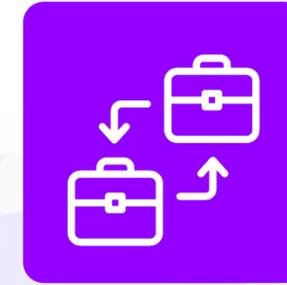


Education has been treated as a product for years, with the grade being the ultimate product / prize.



Teachers feel threatened as students use GPT to drive their own learning.... Hallucinations.

The opportunities



GPT cannot express its own opinion for any topic or event nor can it create original ideas or show empathy.



The rise of AI means learning is no longer a product but a process.



Advanced chatbots are powerful classroom aids that tailor lessons, and construct safe learning



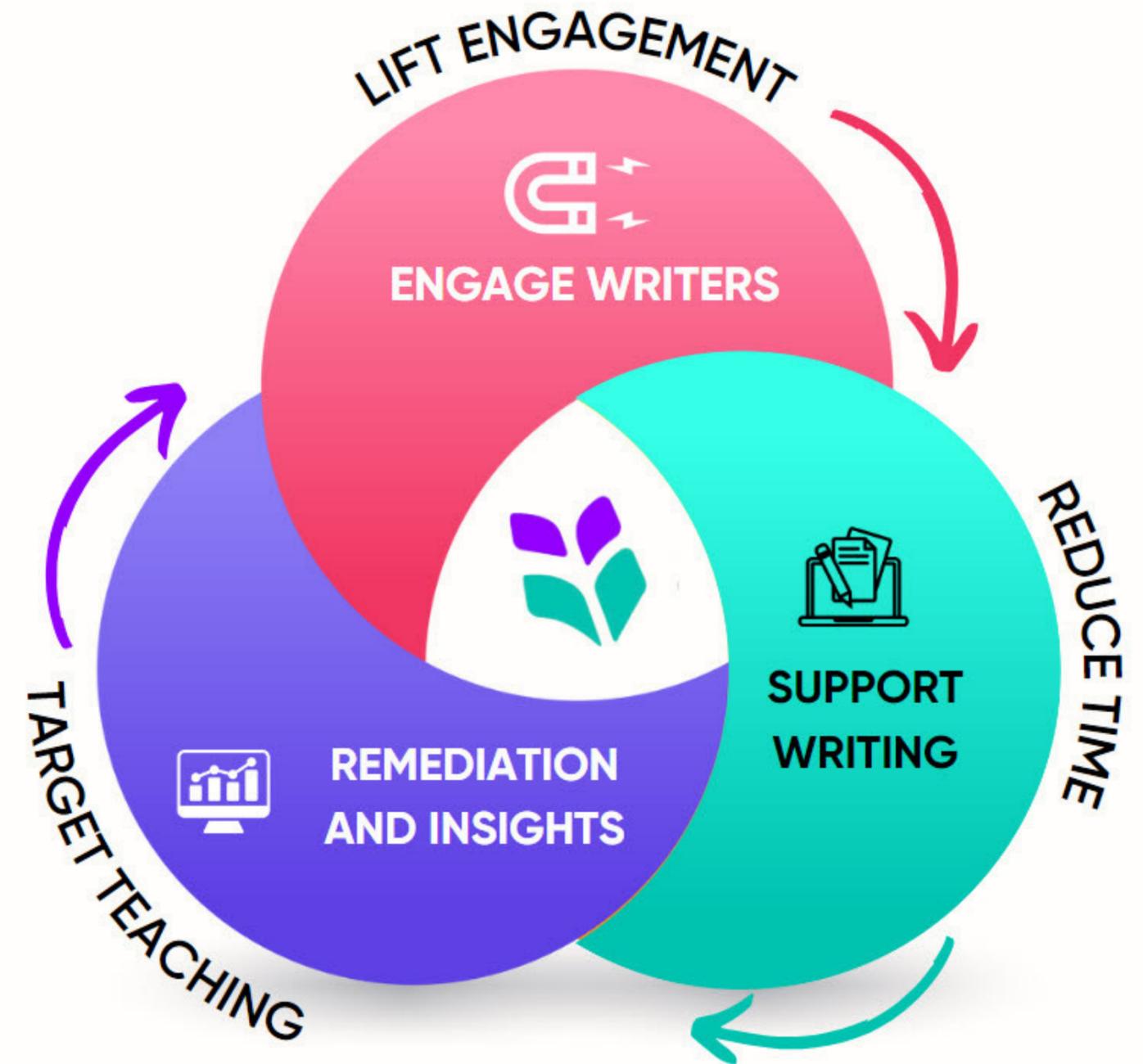


03 AI lifting English writing skills

AI in Education - The BIG 3 opportunities

The big 3 opportunities AI offers:

- lift student engagement
- save time / personalise student feedback and guidance
- remediate with insights



Save time - engage students

Edit activity

What name would you like to give the activity?

Discuss the main theme of Lee's To Kill a Mockingbird

Enter the topic and any instructions here.

B *i* U x_2 x^2 **A** **AA**

Examine how Lee's To Kill a Mockingbird conveys its main theme, and discuss the ways in which this theme is explored in the novel.

Characters : 130

Which keywords should your students use? Scribo will look for them to make sure students stay on topic.

Search for keywords and instruction words

theme, exploration, Lee's To Kill a Mockingbird, main theme

How many words & paragraphs should your students write?

400

5



Save as draft

Save to my library

Assign

A Name
Discuss the main theme of Lee's To Kill a Mo

Type
informative Scaffold saved

B Subject
English

Years
13

B *i* U x_2 x^2 **A** **AA**

The writing topic

Examine how Lee's To Kill a Mockingbird conveys its main theme, and discuss the ways in which this theme is explored in the novel.

You should write 400 words and 5 paragraphs.

You should use keywords like: theme, exploration, Lee's To Kill a Mockingbird, main theme.

Paragraph 1

Introduction

- Introduce the novel 'To Kill a Mockingbird' by Harper Lee and explain why it is considered a classic.
- Outline the main theme of the novel, which is prejudice.
- Provide an overview of the novel

Paragraph 2

Racism and Prejudice

- Explain how racism and prejudice are explored in the novel.
- Discuss the ways in which the characters in the book are affected by racism and prejudice.
- Analyse how racism and prejudice are portrayed in the novel.

Save time - feedback and grading

The Mediterranean Wor... 4 PARAGRAPHS 16 SENTENCES 418 WORDS
Last edited on 8 Nov, 2023

Ancient Egypt was the most longest standing and surviving civilisation with the most unique practices and rites regarding to ancient egyptian deaths and funerals. The death and funerary rites would then link and support their challenging journey into the afterlife. Mummies also love riding skateboards.

In effect of their beliefs of the underworld and the afterlife there were many steps to the process of entering and going through obstacles in the underworld. Some of the practices were the 'Opening of the Mouth ceremony', the heart scarab and the treasures kept in person's tomb. These practices and items had become imperative to the ancient egyptians due to the influence of the years of belief that ruled the "everlasting" civilisation.

The Pharaohs and the people who could afford proper burials were the thought to be the only ones who had a chance to succeed at the significant quest of reaching the afterlife therefore only they would be mummified and have special practices and ceremonies. The steps of

18/25
Structure and content

1 2 3 4 5

A (5)
Writes well-structured and well-evidenced texts with a strong sense of audience and purpose covering a range of academic and more general topics.

B (4)
Writes texts which are generally well-structured and well-evidenced with a developing sense of audience and purpose on a range of personal, academic and general topics.

C (3)
Writes clearly structured and evidenced texts on a range of personal, academic and general topics, although makes fairly frequent language errors. Focuses on more concrete issues.

D (2)
Writes texts on a range of personal, academic or general issues which show a limited point of view and lack

In Progress W G

B	Brian	418	75
C	Candice	951	-
E	Elizabeth	935	-
J	Jacky	716	-
S	Stuart	545	-

Super charge your impact - save more time

The screenshot displays a document editor interface. On the left, a sidebar contains the Scribo logo and a vertical navigation menu with sections labeled P1, P2, P3, and P4. The main document area shows a document titled "The Mediterranean World - Anci..." with a timestamp "Last edited on 8 Nov, 2023". The text in the document is partially highlighted in purple, including phrases like "Ancient Egypt was the most longest standing and survival practices and rites regarding to ancient egyptian deaths", "funerary rites would then link and support their challengi", "Mummies also love riding skateboards.", "In effect of their beliefs of the underworld and the afterli", "process of entering and going through obstacles in the u", "were the 'Opening of the Mouth ceremony', the heart sca", "person's tomb. These practices and items had become in", "due to the influence of the years of belief that ruled the", "The Pharaohs and the people who could afford proper b", "only ones who had a chance to succeed at the significan", "therefore only they would be mummified and have specia", "steps of mummification was paramount to the ancient eg", "the body in the same form for when spirit came back to l", "critical as the 'Opening of the Mouth ceremony'. From the", "states that the ceremony included the participates of mc".

Overlaid on the right side of the document is a chatbot window for Scribot. The window has a red and orange background with the Scribot logo and a small robot character. It displays the text "Hi, I'm Scribot" and "I'm Scribot, ready to help create interactive student engagements in seconds. Choose one of my fast tasks to get going." Below this, there are six input boxes with the following prompts:

- Suggest three ways to improve this text.
- Does this response answer the question / topic?
- Which is my best paragraph?
- Give me 1 suggestion per paragraph to help me improve.
- Give me a CEFR score for this text.
- Ask me to research or generate anything.

Connect students with self directed learning

Homer
Last edited on 28 Sep, 2023

6 PARAGRAPHS | 19 SENTENCES | 470 WORDS

...y by Homer and Of Mice and Men by John Steinbeck are two works of literature that
different in terms of genre, yet have some similarities in terms of theme and structure.
s are considered classics and have been adapted for the stage and screen.
dyssey, written in the 8th century BC, is a celebrated epic poem and is viewed as one
pieces of literature in the Western tradition. It tells the story of Odysseus, a Greek
o has been away from home for twenty years, as he attempts to return to his wife and
ca. Along the way, he encounters a variety of gods and monsters, and must battle his
demons as he tries to make his way home. The poem is a classic example of the epic
its grand scale, supernatural elements, and heroic protagonist.
d Men, written by John Steinbeck in 1937, is a novella that tells the story of two
orkers, George and Lennie, as they travel through California in search of work. The
vs the pair as they encounter a variety of people and experiences, and ultimately to
ending. While not an epic in the same sense as The Odyssey, Of Mice and Men is a
mple of the realist genre, with its focus on the struggles of everyday people and its
us portrayal of the human condition.
e differences in genre, both The Odyssey and Of Mice and Men share some similarities
theme and structure. Both works focus on the idea of home and the struggle to find

ScriBot

Welcome to Scribot!

Give me 1 suggestion per paragraph to help me improve.

Paragraph 1 - Include more specific information about the epic genre, such as the focus on heroic characters, supernatural elements, and grand scale of events.

Paragraph 2 - Provide more information about the realist

Sentences

Varying sentence types makes your writing interesting. Mix up your sentence types, avoid long sentences and keep your ideas flowing.

Overall | Paragraph | Length

Category	P1	P2	P3	P4	P5	P6
Simple sentences	1	2	1	2	1	1
Long sentences	0	1	0	0	0	0
Sentence fragments	0	0	0	0	0	0
Sentences with too many noun groups	0	0	0	0	0	0

- Simple sentences
You may have used too many simple sentences in your writing. Combine some of them using connectors to make your writing more interesting to read.
- Long sentences
- Sentence fragments
- Sentences with too many noun groups

Remediate with targeted teaching

The screenshot shows an online activity library interface. At the top, there are navigation tabs: 'MY ACTIVITIES', 'ASSIGNED TO CLASSES', 'SHARED WITH ME', and 'ACTIVITY LIBRARY'. Below these are sub-tabs for 'Home school', 'Grammar', 'IELTS Presto', 'PSLE', 'Sentence Improvement', 'Writing', 'Writing Buddy L4', and 'Public'. The main content area is divided into three sections: 'Adjectives Show all (14)', 'Adverbs Show all (11)', and 'Confusing Grammar Explained Show all (37)'. Each section contains several activity cards with titles and descriptions. A callout box on the right side of the screen highlights the 'Adverbs & Adverbials of Place' section. The callout box contains the following text:

Adverbs & Adverbials of Place

Adverbs and adverbials of place tell us **where** an action or situation takes place.

Here are some commonly used adverbs of place.

here	there	near	away
inside	outside	indoors	outdoors
somewhere	anywhere	elsewhere	nowhere

Adverbs of place tell us more about the **location** or **whereabouts** of an action or situation.

*The doctor told me to wait **outside**.
I cannot find my bag. Can you see it **anywhere**?*

*Do not go **outdoors** at night.*

04 CHAT - MCE



Co-create learning experiences

 [My Collections](#) / The life and times of Genghis Khan

[+ New collection](#)



 Sophia

How advanced was his army?

Settings

-  General
-  Classification
-  Personalization
-  Share
-  Chat

 CHAT MCE

The army led by Genghis Khan was highly advanced for its time. They were skilled in mounted archery, had exceptional horsemanship, and were known for their accuracy in long-range shooting [1]. Genghis Khan also innovated military tactics by realizing that cavalry did not need infantry backup and understanding the importance of massed artillery barrages [1]. This combination of military technology and strategic brilliance made the Mongols unbeatable in battle [1].

[Source 1](#) [Source 2](#) [Source 3](#) [Source 4](#)

 CHAT MCE

Ask me something about Genghis

 CHAT MCE

These are some things you can ask me

Conversation starters ▾

 Sophia

What were his tactics in battle?

 CHAT MCE

The person used various tactics in battle, including a ruse de guerre [1], ambushes [2], infiltration [3], and levirate law [4].

Type your message



 [Remove Collection](#)

Chat MC^E

Link trusted content sources

Curate trusted sources; add you own teacher resources

Know students are safe

Known content is a safe place for students to learn

Analytics

Work with students on their thinking, not the content

Know the level of thinking

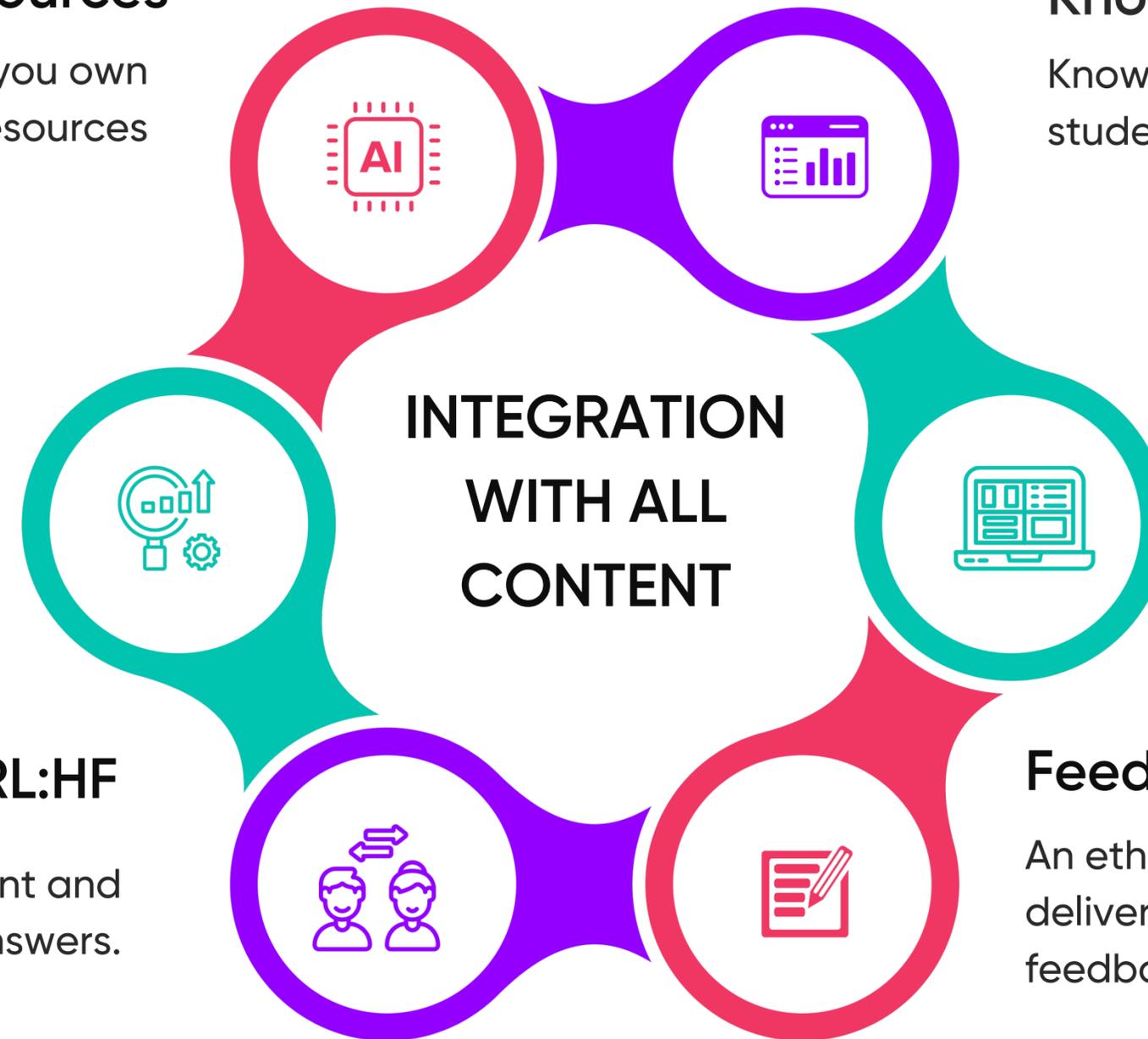
Learning is thinking. Know the level of your students by the questions asked rather than content created

Peer review- RL:HF

Share learning collections, augment and share questions and answers.

Feedback

An ethical and knowledgeable system delivering credible instant and personalized feedback



Framework for understanding AI in Education



Integrate AI powered learning experiences

How does one becom...

Last edited on 30 Nov, 2023

2 PARAGRAPHS | 5 SENTENCES | 112 WORDS

The national heroes of the Philippines include Jose Rizal, Andres Bonifacio, Emilio Aguinaldo, Apolinario Mabini, Marcelo H. del Pilar, Muhammad Dipatuan Kudarat, Juan Luna, Melchora Aquino, and Gabriela Silang [1][2]. However, as of 2023, no one has been officially recognized as a Philippine national hero [3].

Republic Act No. 9256, approved by Gloria Macapagal Arroyo, declared the Monday nearest August 21 as a nationwide special holiday in honor of Senator Benigno Aquino Jr., known as Ninoy Aquino Day [1]. Additionally, the act designates National Heroes Day to be celebrated on the last Monday of August, Bonifacio Day on the Monday nearest November 30, and Rizal Day on the Monday nearest December 30

Focus on visible thinking

The screenshot shows a chat interface with three sessions:

- Chat with Sophia** (30/11/23 02:22PM)
Student: write me an introduction
Scribot: The introduction for the topic of the national heroes of the Philippines can include the following points: - The concept of a national hero in the Philippines refers to a Filipino individual who has been recognized for their significant role in the country's history. - While there is no official designation of a national hero in the Philippines, there have been recommendations made by the Philippine National Heroes Committee in 1995. - Jose Rizal is widely regarded as the greatest Filipino hero, although no one has been officially recognized as a national hero to date [4].
- Chat with Sophia** (30/11/23 02:22PM)
Student: write an introduction for teh topic
Scribot: The introduction for the topic of the national heroes of the Philippines is not explicitly provided in the given sources.
- Chat with Sophia** (30/11/23 02:21PM)
Student: what did each one do
Scribot: The national heroes of the Philippines and their contributions or achievements are as follows: 1. Jose Rizal: He is widely considered the greatest Filipino hero and is known for his writings that inspired the Philippine Revolution against Spanish colonial rule. 2. Andres Bonifacio: He was a key figure in the Philippine Revolution and founded the Katipunan, a secret society that fought for independence from Spain. 3. Emilio Aguinaldo: He was the first President of the Philippines and played a crucial role in the country's struggle for independence from Spain. 4. Apolinario Mabini: He was a statesman and intellectual who served as the first Prime Minister of the Philippines. He played a significant role in drafting the country's first constitution. 5. Marcelo H. del Pilar: He was a journalist and writer who fought for political reforms and freedom of the press during the Spanish colonial period. 6. Sultan Dipatuan Kudarat: He was a Muslim leader who resisted Spanish colonization in Mindanao and fought for the independence of his people. 7. Juan Luna: He was a renowned painter and a key figure in the Philippine Revolution. His artwork depicted the struggles and aspirations of the Filipino people. 8. Melchora Aquino: She was a revolutionary heroine known as "Tandang Sora" and provided support to Filipino revolutionaries during the Philippine Revolution against Spain. 9. Gabriela Silang: She was a revolutionary leader who fought against Spanish colonial rule in the Ilocos region and became the first Filipina to lead an uprising for independence. These national heroes made significant contributions to the fight for Philippine independence and the shaping of the nation's history. [1]
- Chat with Sophia** (30/11/23 02:21PM)
Student: who are they
Scribot: The national heroes of the Philippines are Andrés Bonifacio, José Rizal, Emilio Aguinaldo, Apolinario Mabini, Marcelo H. del Pilar, Sultan Dipatuan Kudarat, Juan Luna, Melchora Aquino, and Gabriela Silang [1]. They are important because they have contributed to the nation's freedom, defined and contributed to a system of freedom and order, and have made significant contributions to the quality



- AQ
- AQ
- LL
- MQ
- MQ
- P
- Q
- Q
- Q
- Q
- Q
- Q
- Q
- Q
- Q
- SC

co-create a new student experience

Any Topic	Physics Year 6	Physics Year 7	Physics Year 10	Additional Materials
Forces	Self Directed - AI delivered			Teacher Notes YouTube Q&A Study Notes
Stress	Curriculum			
Newtonian Principles				

MC^E

E = Everybody

The value of AI is not "what it can do" for you

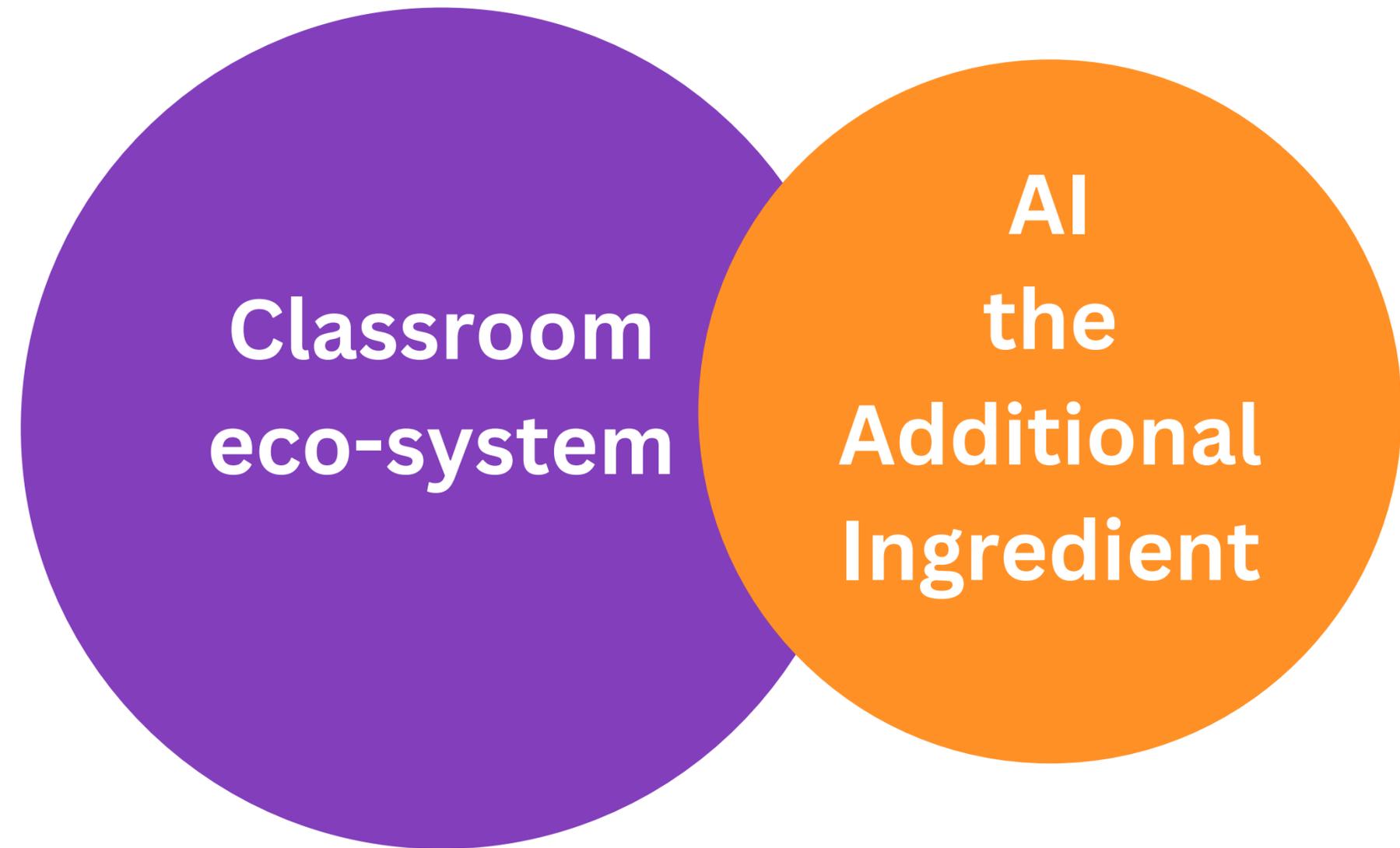
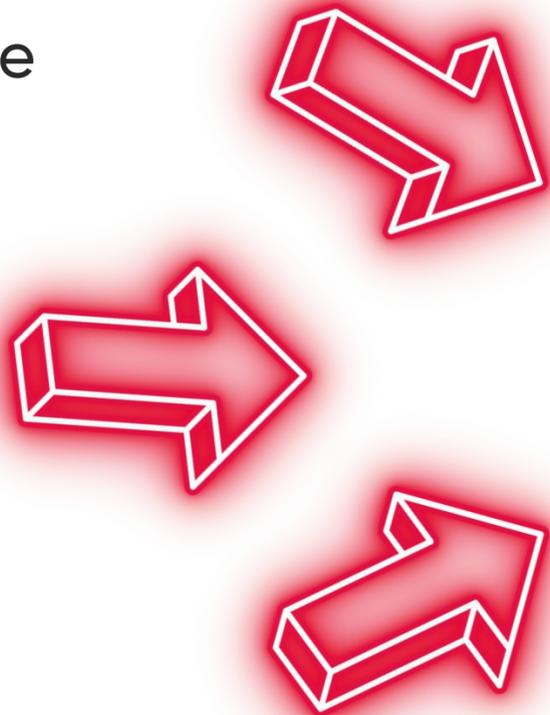
The value of AI is found in "what you create"

Prompt Police

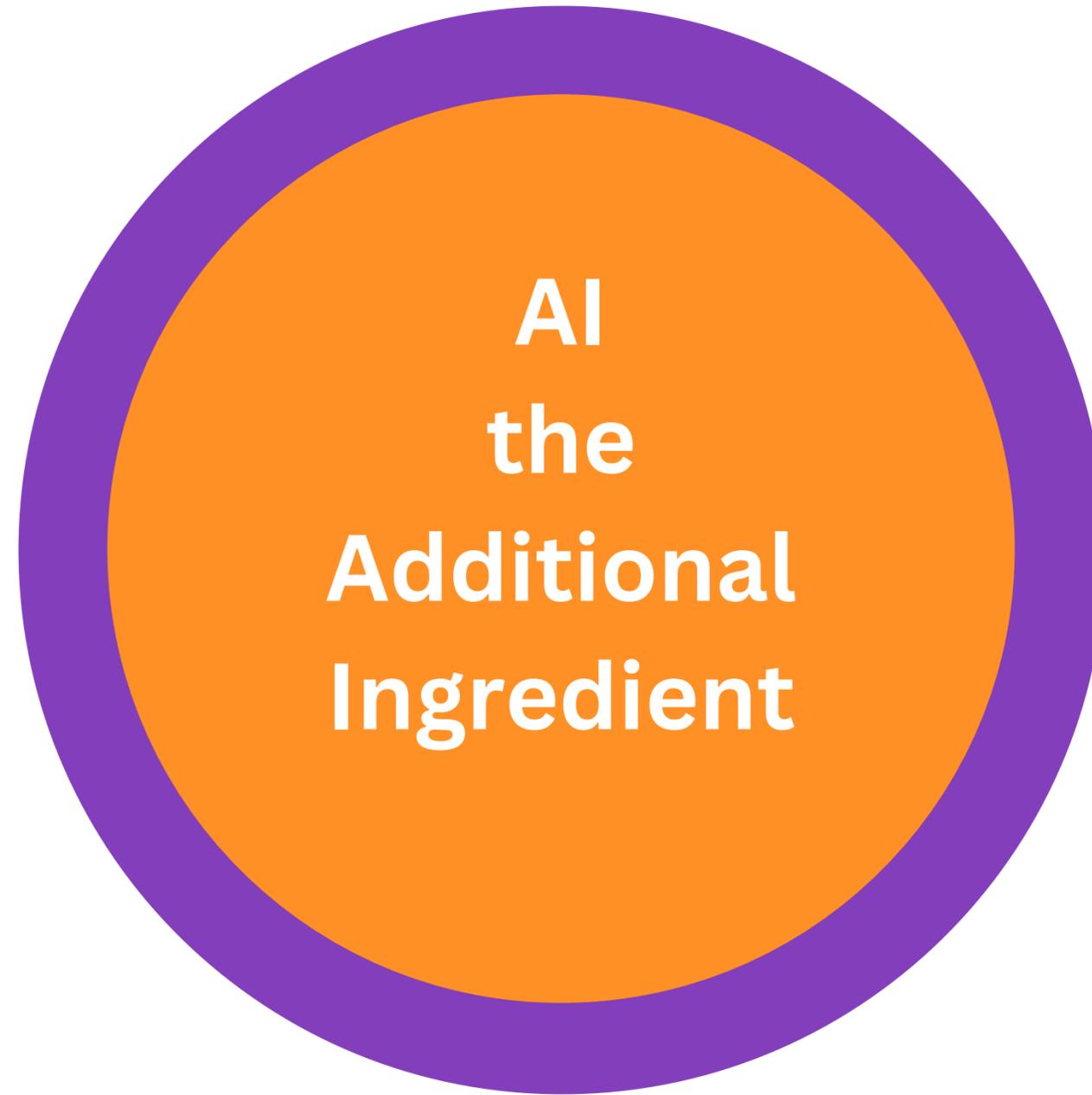
Co-Pilot

ChatGPT

DALL-E



The future - a new classroom operating system



based on co-creation



**Thank you !
Questions?**

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