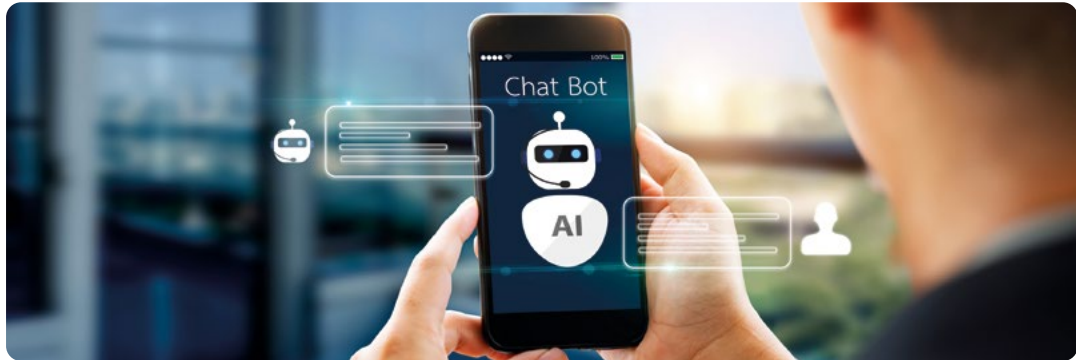


1

ChatGPT – a step forward or a threat to humanity?



Adobe Stock/panuwat

1 a

Warm-up: experiences with ChatGPT

Speaking

Get into small groups and talk about ChatGPT.

- » What have you heard about it?
- » What are your experiences?
- » How might it impact the way schools assign homework and written tasks?

1 b

Explaining ChatGPT

Listening

Go to the following websites to gain more insight on what ChatGPT is. Listen to the articles and watch the videos. Take some notes. Exchange your findings with a partner.



 **Sky News:** [Elon Musk and experts say AI development should be paused immediately](#) (Samuel Osborne)

BBC: [Elon Musk among experts urging a halt to AI training](#) (Chris Vallance)

1 c

Putting a temporary halt on ChatGPT?

Reading

Read the text about an open letter warning. First decide whether the statements (1–8) are true (T) or false (F) and put a cross (x) in the correct box. Then identify the sentence in the text which supports your decision. Write the first four words of this sentence in the space provided. There may be more than one correct answer; write down only one. The first one (0) has been done for you.

Elon Musk: South African-born American entrepreneur who cofounded the electronic-payment firm PayPal and formed SpaceX; he became a public figure in the early 2010s and has often been described as an eccentric luminary: Koryphäe

Elon Musk among experts urging a halt to AI training

Key figures in artificial intelligence want training of powerful AI systems to be suspended amid fears of a threat to humanity.

They have signed an open letter warning of potential risks, and say the race to develop AI systems is out of control. Twitter (X) chief Elon Musk is among those who want training of AIs above a certain capacity to be halted for at least six months. Apple co-founder Steve Wozniak and some researchers at DeepMind also signed.

OpenAI, the company behind ChatGPT, recently released GPT-4 – a state-of-the-art technology, which has impressed observers with its

ability to do tasks such as answering questions about objects in images. 15

The letter, from the Future of Life Institute and signed by the luminaries, wants development to be halted temporarily at that level, warning in their letter of the risks future, more advanced systems might pose. “AI systems with human-competitive intelligence can pose profound risks to society and humanity,” it says. 20

The Future of Life Institute is a not-for-profit organisation which says its mission is to “steer transformative technologies away from extreme, large-scale risks and towards benefiting life”. Mr Musk, owner of Twitter (X) and chief 25

30 executive of car company Tesla, is listed as an external adviser to the organisation. AI warned of the risks if an artificial general intelligence (AGI) were developed recklessly: 50

misaligned: falsch ausgerichtet
 juncture: a particular point in time
 moratorium: an official stopping of an activity for some agreed time
 outsmart: to gain an advantage over sb by acting more cleverly or using tricks

Advanced AIs need to be developed with care, the letter says, but instead, “recent months have seen AI labs locked in an out-of-control race to develop and deploy ever more powerful digital minds that no-one – not even their creators – can understand, predict, or reliably control”. 55

The letter warns that AIs could flood information channels with misinformation, and replace jobs with automation. The letter follows a recent report from investment bank Goldman Sachs which said that while AI was likely to increase productivity, millions of jobs could become automated. However, other experts told the BBC the effect of AI on the labour market was very hard to predict. 60

More speculatively, the letter asks: “Should we develop non-human minds that might eventually outnumber, outsmart and replace us?” 65

In a recent blog post quoted in the letter, OpenAI warned of the risks if an artificial general intelligence (AGI) were developed recklessly: “A misaligned superintelligent AGI could cause grievous harm to the world; an autocratic regime with a decisive superintelligence lead could do that, too. In a recent blog to slow down at critical junctures will likely be important,” the firm wrote. 70

OpenAI has not publicly commented on the letter. The BBC has asked the firm whether it backs the call. The letter asks AI labs “to immediately pause for at least six months the training of AI systems more powerful than GPT-4”. If such a delay cannot be enacted quickly, governments should step in and institute a moratorium, it says. “New and capable regulatory authorities dedicated to AI” would also be needed. Recently, a number of proposals for the regulation of technology have been put forward in the US, UK and EU. However, the UK has ruled out a dedicated regulator for AI.

Source: Chris Vallance – Elon Musk among experts urging a halt to AI training (BBC) – www.bbc.com/news/technology-65110030

GPT-4: the fourth multimodal large language model in OpenAI’s series of GPT foundation models

AGI: a type of intelligent agent that could learn to accomplish any intellectual task that human beings can perform or even surpass human capabilities; true AGI has not been created yet and remains controversial

Statements

0	Some top IT business leaders are convinced of the benefits of recent AI technologies.
1	They demand a ban on further developing AI.
2	The new version of ChatGPT can even “read” pictures.
3	The organisation behind the warning wants to promote beneficial technologies and tools.
4	The competition to enhance AI benefits humanity.
5	AI might help to spread fake news.
6	Experts agree that AI will increase unemployment considerably.
7	The company behind ChatGPT spoke out against suspending the development of even more powerful AI instruments.
8	Laws and rules have to be passed to prevent a negative impact of AI.

Write your answers here:

	T	F	First four words
0		x	Key figures in artificial
1			
2			
3			
4			
5			

Test format
True / false with justification

6		
7		
8		

1 d
Language in use

Tackling ChatGPT

Read the text about the AI chatbot system launched in 2022. Some parts are missing. Choose the correct part (A–Q) for each gap (1–14). There are two extra parts that you should not use. Write your answers in the spaces provided. The first one (0) has been done for you.



Adobe Stock/Ascannio

Are we ready for ChatGPT?

ChatGPT, a chatbot powered by artificial intelligence (AI), took the world (0) ___ by the end of 2022. The chatbot promises to disrupt search as we know it. The free tool provides useful answers (1) ___ prompts the users give to it.

And what's making the internet go crazy about the AI chatbot system is that it doesn't only give search engine tool-like answers. ChatGPT can create movie outlines, write entire codes and solve (2) ___, write entire books, songs, poems, scripts – or whatever you can think of – within minutes.

This technology is impressive, and it crossed over one million users in just five days after its launch. Despite its mind-blowing (3) ___, OpenAI's tool has raised concerns among academics and experts from other areas. Dr Bret Weinstein, author and former professor of evolutionary biology, said, "We're not ready for ChatGPT."

As much as it seems like a (4) ___ entity that knows what it's saying, it's not. The AI chatbot scours information on the internet using a predictive model from a massive data center – (5) ___ what Google and most search engines do. Then, it's trained and exposed to tons of (6) ___ that allows the AI to become very good (7) ___ the sequence of words up to the point that it can put together (8) ___ long explanations.

For example, you can ask encyclopedia questions like, "Explain the three laws of Einstein." Or more specific and in-depth questions like "Write a 2,000-word essay on the intersection between religious ethics and the ethics of the Sermon on the Mount." And, I kid you not, you'll have your text brilliantly written (9) ___.

In the same way, it is all brilliant and impressive, it is alarming and concerning. [...] Artificial intelligence has undoubtedly (10) ___ our lives, the economic system and society. If you think that AI is something new or that you'll only see it in futuristic sci-fi movies, think twice. Many tech companies such as Netflix, Uber, Amazon and Tesla employ AI to enhance their (11) ___ and expand their business. For instance, Netflix (12) ___ AI technology for their algorithm to recommend new content for their users. Uber uses it in customer service, to detect fraud, to optimise drive routes, and so on, just to name a few examples.

However, you can only go so far with such prominent technology (13) ___ human roles in many traditional occupations, touching the threshold of what comes from a machine and humans. And, perhaps more (14) ___, threatening the risks of AI to humans.

to scour: to search intensely

Sermon on the Mount: a biblical collection of ethical sayings of Jesus of Nazareth, addressed to disciples and a large crowd of listeners (Bergpredigt)

Source: Camila Santiago – Are We Ready for ChatGPT? The Dangers of AI No One is Talking About (BeinCrypto) / beincrypto.com/the-dangers-of-chatgpt-ai-no-one-is-talking-about/

Snap Shot

Test format
Banked gap-fill

- | | | |
|-----------------------|---------------|-----------------------|
| A at predicting | G harmless | M performance |
| B based on | H impacted | N relies on |
| C by storm | I importantly | O ruined |
| D coding problems | J incredibly | P similar to |
| E creative | K in seconds | Q without threatening |
| F data | L operations | |

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
C														


1 e

Listening


ChatGPT at schools – artificial intelligence-assisted cheating?

Watch the video clip (Voice of America) twice and take notes on what the following people interviewed say about their experiences and views on ChatGPT.



 **Voice of America:** [Schools Ban ChatGPT Amid Fears of Artificial Intelligence-Assisted Cheating](#) (Matt Dibble)

	job / position	experiences, views, concerns
Galvin Fickes		
Lu Paulette Taylor		
Annie Chechitelli		
Eric Wang		
Steve Wright		

- » What information is given by the presenter? Name at least two items.
- » What is Turnitin? 
- » What is it working on right now?

1 f

Vocabulary

Words, words, words

Match the words in A with the explanation / synonym in B.

VocabBooster

A		B
large language model	1	<input type="checkbox"/> a machine learning model that has already been trained on a large dataset
chatbot	2	<input type="checkbox"/> the process of using a language model to generate new text
pre-trained	3	<input type="checkbox"/> a subfield of AI focused on the interaction between computers and humans using natural language
artificial intelligence	4	<input type="checkbox"/> common use of AI (Siri, Alexa)
generation	5	<input type="checkbox"/> a network that learns by analysing vast amount of text from across the internet
NLP (natural language processing)	6	<input type="checkbox"/> a computer program that is designed to simulate conversation with human users
virtual assistant	7	<input type="checkbox"/> field of computer science focused on building intelligent machines

Adobe Stock/antto



1 g
Speaking



PA system: Lautsprecheranlage

Addressing the issue of AI in schools

CAN IT BE USED FOR WRITING SCHOOL PAPERS?

This is what ChatGPT said when *The Associated Press* asked it to answer that question in all caps from the perspective of a principal shouting a brief message through a school's PA system:

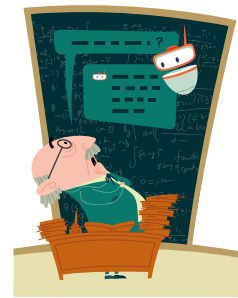
“DO NOT USE CHATGPT OR ANY OTHER AUTOMATED WRITING TOOL FOR SCHOOL PAPERS. THIS IS CHEATING AND WILL NOT BE TOLERATED. IF YOU ARE CAUGHT USING CHATGPT OR ANY OTHER AUTOMATED WRITING TOOL FOR SCHOOL PAPERS, THERE WILL BE SERIOUS CONSEQUENCES.”

But when asked to answer the same question on its own, ChatGPT offered this more measured warning:

“As a general rule, it is not appropriate to use ChatGPT or any other automated writing tool for school papers, as it is considered cheating and does not benefit the student in the long run.”

Source: Matt O'Brien – Explainer: What is ChatGPT and why are schools blocking it? (The Associated Press) – apnews.com/article/what-is-chat-gpt-ac4967a4fb41fda31c4d27f015e32660

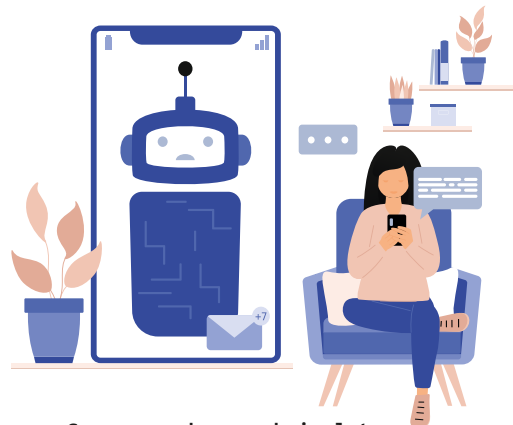
1. Read the prompt above and compare the answers.
2. Get into groups of four and discuss your findings.
3. Formulate a similar question and ask ChatGPT to answer it from two different perspectives.
4. Share the results in class.
5. Discuss if teachers are prepared well enough to take the challenge of their students using AI.
6. Think of situations where to use AI / ChatGPT meaningfully.



Adobe Stock/Yuljins

1 h
Speaking

Artificial intelligence in education



Sorry, my homework is late.
My AI is unwell.

Adobe Stock/Yevgeniyakolin

Test format
Individual long
turn

Give a five-minute talk on the topic of artificial intelligence in education in which you

- » interpret the cartoon,
- » reflect on potential negative effects of AI on students and their intellectual development,
- » suggest regulations on the use of AI in learning.