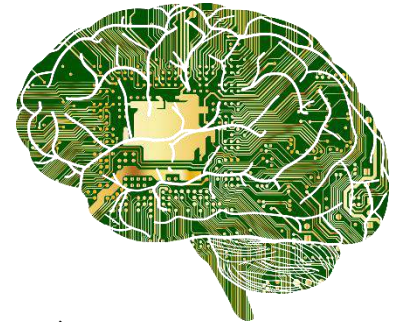


Artificial Intelligence

“Before we work on artificial intelligence, why don't we do something about natural stupidity?” – Steve Polyak

Warm up:

- Do you think you're more optimistic or pessimistic when it comes to A.I, and why?
- Have you ever used any A.I programs such as ChatGPT? What was your impression of it?
- What are some fields that you think will be particularly affected by A.I?
- How would you feel being served by a robot with A.I at a café or restaurant?
- Do you think A.I has the potential to help you at your job (or at school)? How could it help you?



1. With a partner, brainstorm a few ways A.I could affect the following fields in the future. If you find it helpful, use the phrases in the box to make your predictions.

I could imagine that....	It's pretty likely/unlikely that...	Unfortunately A.I might...
One way A.I might affect this is....	It's very possible that A.I will...	
I'd guess that...	I think A.I will probably....	We can't say for sure, but...

The Automotive Industry

.....

.....

Creative Industries such as Film and Video Games


.....

.....

The Medical Industry

.....

.....

 2. Read the article about different applications of A.I. Some phrases are in *italics*. Try to describe what you think these phrases mean based on the context.

Scammers using A.I

A mother in Arizona had a terrible scare when she received a voice message from her daughter. Her daughter begged for help and said that she had been kidnapped, and then a man's voice demanded she send 1 million dollars to his bank account. The woman immediately called her husband who confirmed that their daughter was actually safe at home. Scammers had cloned the daughter's voice from a TikTok video and created the fake voice message. *On the bright side*, the girl was safe, but there is a good chance such scams will have become common by 2030.

"On the bright side" means to look at the positive side of things.

Every Minute Counts

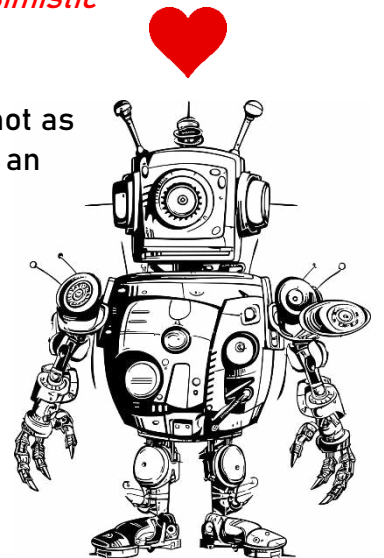
We often read about how scary the implications of A.I are, but not all A.I news is *doom and gloom*. Normally in disaster situations such as wildfires or tsunamis, rescuers spend dozens of hours scanning through aerial photos looking for signs of survivors and places where people could be stranded. This process is extremely time-consuming, and human error is common. However, the University of Texas has recently developed A.I capable of completing the same task, often more accurately than a human could, in under 2 hours. Researchers say that this time will have been reduced to minutes by next year.

"Doom and gloom" means when something is overly negative or pessimistic

A.I Love You

There are some examples of A.I that seem to indicate that it's really not as advanced as we think (yet). Research scientist Janelle Shane trained an A.I to analyse pick up lines for patterns and create its own seductive conversation starters. The results ranged from the grammatically incorrect: "Are you a candle? Because you're so hot of the looks of you" to the downright bizarre: "Are you a triangle? Cause you're the only thing here." Flirting, it seems, *is not A.I's forte*. However, it is extremely likely that in the next few years A.I will have developed the ability to convincingly flirt and carry conversations online.

"Not my (sb) Forte" means not my strength, not what I'm good at.



Beep! Have you done your homework?

While it's unlikely that A.I will replace teachers for a very long time, it could provide some welcome assistance. An A.I assistant could be a *game-changer* in the classroom, helping teachers with repetitive tasks like checking homework or asking students to be quiet. It could also analyse and point out areas of study in which students are lagging behind, giving the teacher a better idea of what to focus on next. There's a good chance that A.I classroom assistants will have become common by 2035.

"Game-changer" means something that completely changes things, usually for the better.



3. Read the questions and think of some answers for yourself.

- a) What is something that is not your forte?
- b) What is something that was a game-changer for you at work or in a hobby?
- c) Do you know anybody who is “all doom and gloom”?
- d) Do you know anybody who is really good at looking on the bright side?

Future Perfect

The tense future perfect is used to say that something will be completed or done at or before a certain time in the future. The structure is *will + have + past participle*.

Eg. *“By this time next year, artificial intelligence will have improved dramatically.”*

The last sentence of every paragraph in exercise 2 is an example of future perfect.



4. Take the possible events in the future (or any other prediction you can think of) and make predictions about when they will happen using future perfect.

- Colonize mars.
- Develop A.I that can listen to and translate language perfectly in real-time.
- End world hunger.
- Build houses on the moon.
- Replace trucks and taxis with fully automated vehicles driven by A.I.
- Invent flying cars.

- 1) e.g. *“I think we will have colonized Mars by 2050.*
- 2)
- 3).....
- 4)
- 5)
- 6)



5. Now compare and discuss your predictions with a partner.



6. You are going to listen to 3 people give their opinions on artificial intelligence. Listen to their opinions and write down the pros and cons they mention in your own words.

Chris

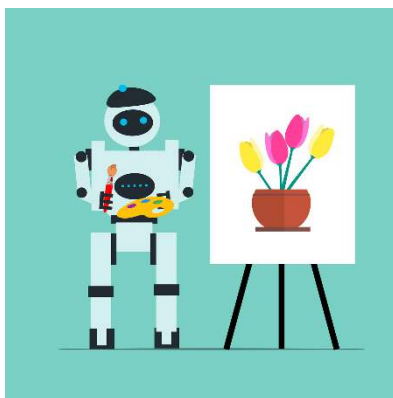
- a) Chris thinks one of the benefits of A.I will be: *Having A.I in houses.*
- b) He also thinks A.I will be useful for: *The medical industry, he thinks A.I will help nurses treat patients.*
- c) On the other hand, Chris is worried about: *People using A.I to scam people.*

Ellen

- a) Ellen thinks one of the downsides of A.I is: *that a lot of jobs will be at risk, including her own.*
- b) Ellen's also very concerned about: *media and misinformation.*
- c) However, Ellen is looking forward to when: *A.I can do her taxes for her.*

Toby

- a) Toby thinks one of the bad points about A.I is that: *university students are using A.I to write essays.*
- b) Toby is also apprehensive that: *big companies will end up controlling A.I.*
- c) That being said, Toby thinks A.I could be useful for: *charities dealing with food shortages.*



“Apparently”

“Apparently” is a word that is used quite often in English to basically say “I am not responsible if this information is wrong, I heard it from a second-hand source.”

E.g. “I was reading an article about AI and apparently streaming services like Netflix are already using it to predict what shows people will like.”

In the sentence above “apparently” means “I am not an expert, I am not involved with Netflix, it’s just something I read or heard.” In the age of the internet, where we get almost all of our information second-hand, the word “apparently” can be quite useful.



7. Now listen again and answer the questions (and listen for the word apparently):

Chris

- a) Why does Chris want an A.I in his house? *So it can cook for him and make appointments*
- b) What does Chris do for a living? *He is a nurse.*
- c) What specific scam is Chris worried about? *Someone cloning his wife's voice and calling him and telling him to transfer money to an account.*

Ellen

- a) What does Ellen do for a living? *She is a scriptwriter.*
- b) When exactly did Ellen get scared about A.I? *When she asked ChatGPT to write a script for her*
- c) Why is Ellen worried about her uncle and A.I? *Because he believes everything he sees online, and she thinks fake videos will make his beliefs more extreme.*

Toby

- a) What did Toby do for a living 7 years ago? *He was a professor.*
- b) What is Toby worried people will give up for the convenience of A.I? *Freedom and privacy*
- c) How exactly will charities be able to use A.I according to Toby? *To predict when and where food shortages will happen.*



8. In this lesson you have read or heard about several different uses of A.I (good and bad). Make 3 sentences starting with “apparently” to express some of what you have learned.

E.g. “Apparently AI could be used to replace scriptwriters.”

- a) Apparently
- b) Apparently
- c) Apparently

Audio Transcript

Chris: Honestly I hear a lot of negativity when it comes to A.I, I don't think people are looking on the bright side enough! Yes A.I is going to be a complete game-changer, but I think a lot of those changes are going to be fantastic. I want to have a voice activated AI installed in our house that can help us do things like cook or even remind us of our appointments. My wife hates the idea, she finds A.I creepy and says that I'm just too lazy to cook, but I'm convinced that every house in the future will have an A.I to help you do day to day tasks. On top of that I'm a nurse, and I can't wait to see how A.I makes our jobs easier. I think in the future every nurse will have an AI device to help them keep track of their patients and maybe even make suggestions about treatments. However one bad thing about AI, I do think we're going to see a lot of scams using AI. If you can use A.I to imitate someone's voice, what's to stop someone from calling me and asking me in my wife's voice to transfer money into a bank account?

Ellen: I just can't see the bright side when it comes to A.I. It feels like technology is advancing so fast that society can't keep up. I think a lot of jobs are at risk now because of A.I, and many many more will be in the future. I'm a scriptwriter for a T.V show and I've already heard rumours that some of us will be replaced with A.I.... At first I didn't think a computer would be able to write a script for a TV show, but then I when asked chat GPT to write an episode.... Well what came out wasn't great... but honestly it was way better than I was expecting. That's when I got really scared about A.I. I'm also really nervous about what will happen with media and misinformation. We already have a huge amount of misinformation online, what happens when people can make a video of politicians saying and doing anything they want? I have an uncle who believes in a whole lot of crazy conspiracy theories because he believes literally everything he reads online. What happens when he starts seeing fake videos made by A.I? I seriously doubt he'll question it, and he'll probably just become more and more extreme in his thinking. Although I was having a conversation with a friend the other day and apparently A.I will have the ability to do our taxes for us... I certainly wouldn't mind that.

Toby: I'm kind of on the fence about A.I. On the one it's very scary. I've heard that a huge amount of university students are using A.I to help them write essays. I was a professor at a university 7 years ago, and even back then it was difficult to stop students copying from the internet, but now what chance do they have? Apparently, it's extremely difficult to tell if an essay was written with A.I or not. I'm also very concerned about who controls A.I. I have no doubt that ultimately A.I will end up being largely controlled by big tech companies like google and Facebook.... and the idea of that much power in the hands of those companies scares me half to death. I think we've seen time and again that people are willing to give up privacy and freedom if something makes their lives more convenient, and I wonder what we'll give up for the convenience of A.I. But I don't think it's all doom and gloom. I read an article about an A.I that can predict when and where food shortages are going to happen in 3rd world countries. Apparently this allows charities to get prepared for the food shortage before the crisis even starts. That is absolutely amazing to me.