



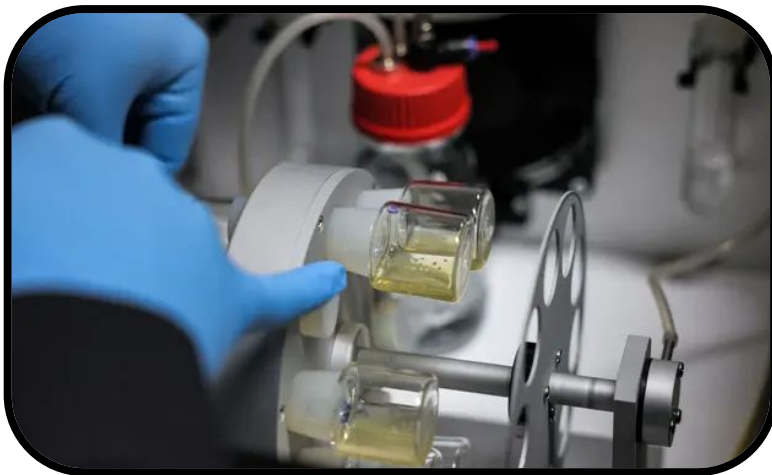
## **Millthorpe Library News**

### **Weekly News to your Library!**

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# **Synthetic human embryos created in groundbreaking advance**

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Very recently scientists have discovered a way to make synthetic embryos using stem cells, which gets rid of the need for an egg or sperm. The scientists say this is a big scientific advance, but can't be used as it's illegal currently and it's not clear if they will develop past the early stages.

(More on the next page)

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## **Major NATO Exercise**

On Monday 14th June, NATO started their largest Military Aeronautical exercise since their formation in the aftermath of World War 2. There is also us a report on Ukraine's counteroffensive. (Read page 3 to find out more).

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## **In this issue:**

- News pages
- Science and Environment
- Around The World
- Debate & Discussion
- Book of The Week
- Media Review
- Music Review
- Reddit users furious -Tech
- Soccer Aid Charity Game
- Puzzles
- Website Links & Credits

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# **Issue No.33 15/06/23**

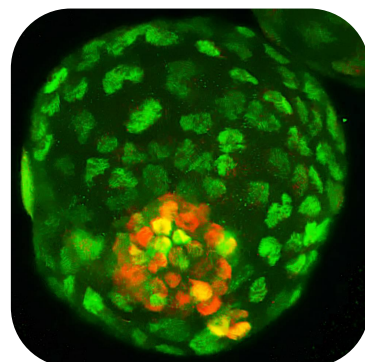
By Oliver Lynch, Jared Van Scalkwyk, Will Bruce, Tom Brook, Freddie Newton, George Moir & William Bradley.



# Synthetic human embryos created



Recently, scientists have created synthetic embryos using stem cells, in a groundbreaking advance that gets rid of the need of eggs or sperm. They say these model embryos, which resemble those in the earliest stages of human development, could provide a crucial window on the impact of genetic disorders and the biological causes of recurrent miscarriage. However, the work also raises serious ethical and legal issues as the lab-grown entities fall outside current legislation in the UK and most other countries. The structures do not have a beating heart or brain, but include the cells usually used to form embryos. These will not be used clinically any time soon as it would be illegal to plant them inside the patient's body, and it's not clear if they will continue developing past the early stages of development. The motivation for the work is for scientists to understand the “black box” period of development that is so called because scientists are only allowed to cultivate embryos in the lab up to a legal limit of 14 days. They then pick up the course of development much further along by looking at pregnancy scans and embryos donated for research. The full details of the lab's latest work is yet to be published. The development highlights how rapidly the science in this field has outpaced the law, and scientists in the UK and elsewhere are already moving to draw up voluntary guidelines to govern work on synthetic embryos. “If the whole intention is that these models are very much like normal embryos, then in a way they should be treated the same,” Lovell-Badge said. “Currently in legislation they're not. People are worried about this.”





# Major NATO Exercise

Monday marked the start of Air Defender 23, the largest deployment exercise of air forces in the entire history of NATO. Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Slovenia, Spain, Turkey, the UK and the USA are all taking part along with almost-member Sweden, Japan and host country Germany. Notable NATO members who are not taking part include Canada and several other lesser military powers. 250 aircraft and 10,000 service people will partake in a NATO ARTICLE 5 assistance scenario where an exhausted German population is challenged by a fictitious (not real) eastern military alliance going by the name OCCASUS. The idea is to “test the military’s ability to react and act in the air in a resilient manner”, encompassing political, economic and media levels. Senior US military officials have said that the exercise goes beyond deterrence, and shows what it means to go against a great power.

It comes shortly after the start of Ukraine’s 8th June counter offensive which saw Ukrainian troops advance as far as 1500 metres in numerous directions, including the liberation of 4 villages and no positions lost. Heavy fighting continues to take place in some 25 battle spots across the frontline, according to the Ukraine armed forces general staff. A former defence minister, Tobias Ellwood, stated that “we are seeing chaos ensue between the Wagner group (the main mercenary group involved in the Russian invasion of Ukraine) and the Russian forces”.







# UN report released

This years UN report was released last week with some huge findings. Read on to find out some of the biggest takeaways of this mammoth report focusing on Global displacement.

The number of people displaced from their homes has hit a record of 110 million, which has gone up by a record breaking 19 million since last year with wars in Ukraine and Sudan forcing many citizens to flee their homes in search of safety. Of this huge sum, 35.3 million were refugees in search of safety with 62.5 million fleeing from conflict or violence. A further 32.6 million people this year were displaced by natural disasters and extreme weather, mainly caused by climate change with some experts estimating this number could reach a staggering 1.2 billion by 2050. 2 million people have been displaced from their homes in Sudan this year so far. These people are called Climate migrants. Last year, the number of refugees rose by a record of 35% (108.4 million refugees) with Turkey still with the largest refugee population in the World with 3.6 million (10% Globally). The 46 least developed Countries which collectively account for 1.3% of the World's Gross Domestic Product (GDP) hosted 20% of all refugees this year. These upward trajectories show no sign of slowing with new problems arising.

If all the refugees in the World made a Country, it would be the 14th most populated in the World. Alongside this, for every refugee that returned home back to their birthplace last year, 22 people became refugees. Countries like Ethiopia, Ukraine, Myanmar and the Democratic Republic of Congo (DRC) have all lost 1 million people each after being displaced by conflict this year. If you would like to look at these figures on maps such as “where do refugees come from?” or “Where do refugees settle?” copy this link in your planner <https://tinyurl.com/rpncabdx>.



The report also found that 9 out of 10 people are biased against women



## JWST finds faintest galaxy ever detected

The James Webb Space Telescope (JWST) has recently discovered the most distant galaxy cluster ever seen, measured at a distance of 30 billion light years away. All 7 galaxies in the cluster have been observed previously by the Hubble Space Telescope, but scientists were unsure about how far away they were or if they were truly bound together.

Takahiro Morishita at the California Institute of Technology and his colleagues used the JWST's spectrometer to measure the redshift of the distant galaxies. This is a phenomenon caused by the expansion of the universe; the further away an object is, the faster it moves away from us, stretching and changing the wavelength of the light. Because of the time it takes light to travel from these galaxies, JWST sees them as they were just 650 million years after the big bang. If we could see what they look like today, it is likely they would be one of the largest clusters in the Universe.

This telescope is hoped to make many more discoveries on its incredible journey whilst answering long questioned mysteries such as dark matter which is a hypothetical, invisible form of matter that is yet to be fully understood however is thought to account for 85% of the Universe's mass.

## UK satellite to map heat inefficient buildings

A satellite in the UK has been launched to map out buildings that are inefficient in terms of insulating heat. Recently, there has been a big environmental push on people and Governments in the UK to make the switch to well-insulated buildings where heat is trapped inside for longer. Protests such as 'Insulate Britain' have been the main drive in this campaign. Most houses still standing today were built before 1970 and are now outdated designs that lose heat fast. Badly insulated houses are an issue as it leads to people turning on the heating. Not only does insulating houses benefit the environment, it also cuts energy costs which have boomed recently.

The satellite, named HotSat-1, launched on a SpaceX rocket (the Falcon 9) on Monday 12th June, reaching an altitude of 500 km (311 miles).

The spacecraft will have resolution to see individual roof tops and walls, with hopes that it will highlight the buildings that would benefit most from new insulation economically and environmentally. Satellites have been used a lot to map heat such as NASA using them to track Global Warming and which places are/will be affected most by temperature rises. Developers described the satellite as 'thermometers in the sky.'



An infrared view of a housing estate

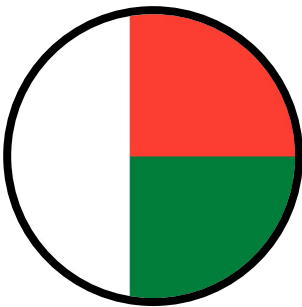




# Around The World



Four children in a region of the Amazon in Colombia have been found alive after a plane crash. The kids survived for 40 days in the wild on their own after their mother and 2 pilots died. The children are part of the Huitoto tribe and are experts in fishing and foraging. An older sibling made shelters out of hair ties and found flour in the plane, living off it as a group alongside seeds. Rescuers blared messages from helicopters, spread survival leaflets and eventually found the kids bringing them safely back to Colombia's Capital, Bogotá.



A young entrepreneur in Madagascar is constructing school campuses out of 3D printers. The buildings are called 'thinking huts' and not only are they quick and efficient to make, they are also relatively cheap (half the average) at a price of \$40,000 with founder Maggie Grout aiming to bring the price down even further. She and her team build the houses by layering on concrete using a printer. \*To find out more watch the video by copying the link at the bottom of this page.



For the second time this year, Ex-President Trump has been sent to court. He has faced allegations of mishandling sensitive documents after his Presidential term was over. On Tuesday 12th June, Trump went into the courtroom pleading not guilty to 37 charges. He also questioned the court asking why they hadn't pressed charges against allegations of similar crimes of Democrats saying "we are a Nation in decline!" Experts say this incident could 'turbo-charge' his campaign.



Humanitarian workers have rescued and saved around 300 children in an orphanage in Khartoum, Sudan which is in the midst of the fighting between the RSF (Rapid Support Forces) and the Sudanese military. Unicef said that 67 children had died of starvation, dehydration and infections. The others were saved and taken by road to the South of Sudan by communities and charity workers.



In Bosnia and Herzegovina, locals are losing hope that a nearby river that runs through the Country and its neighbours, Serbia and Montenegro, will ever be clean again. 10,000 cubic metres of waste is pulled up from the Drina River every 6 months. This is partly due to a series of wars in the 1990's where rubbish was mass dumped. A decade later, there are still little ways of disposing waste in the the area. Instead, the rubbish flows down to a nearby landfill but experts say the site is 90% full.

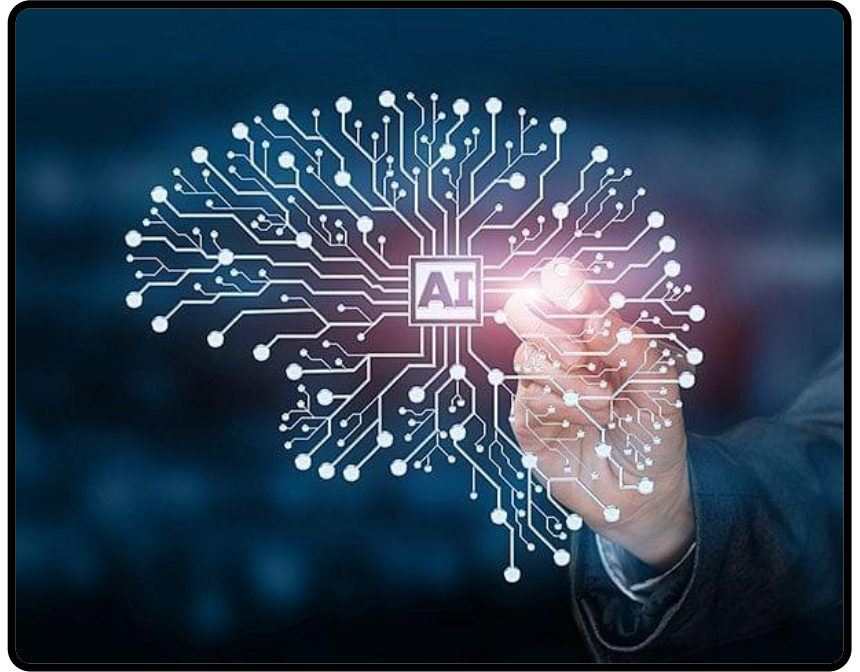


THIS WEEK'S TOPIC FOR DEBATE AND DISCUSSION IS:

# We Should Allow AI to advance further

## FACTS:

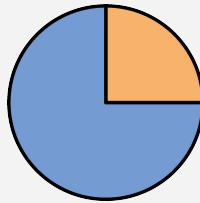
- These systems can analyze large datasets from various fields, including astronomy, genomics, and particle physics, to uncover patterns and insights that may have been overlooked by humans.
- AI has the power to deliver personalized experiences and recommendations based on individual preferences and behaviors. AI-enabled devices are everywhere. Nearly 77 percent of devices today use AI technology in one form or another. The growth of AI startups accelerated 14-fold since 2000. And I'd bet more of them are coming up every year.
- By 2030, Artificial Intelligence will add 15.7 trillion dollars to the world's GDP, boosting it by 14 percent. There will be more AI assistants than people in this world! Forecasts indicate that there will be 8.4 billion AI-powered digital voice assistant units in the world by 2024, which surpasses the total global population.



## FOR

Efficiency & Productivity • Science & tech • Innovation

AI advancements have the potential to greatly enhance efficiency and productivity across various industries. AI technologies can automate repetitive tasks, analyze large amounts of data at a faster rate, and make accurate predictions, leading to increased productivity and cost savings. AI technologies can automate repetitive tasks, analyze large amounts of data at a faster rate, and make accurate predictions, leading to increased productivity and cost savings. It has the potential to solve complex problems and drive innovation. By processing vast amounts of data and recognizing patterns, the systems can assist in solving challenges related to climate change, healthcare, energy efficiency, and other pressing global issues.



FOR 75%  
AGAINST 25%

**Last result on:  
Should we ban  
steroids in  
bodybuilding?  
Thanks for voting!**

## AGAINST

Ethical concerns • Economic Impact • Loss of control

As AI becomes more advanced, there are increasing concerns about the ethical implications and potential biases embedded in AI systems. They can inherit biases from the data they are trained on, leading to discriminatory outcomes or unfair decision-making processes. The advancement of AI and automation technologies can lead to significant job displacement in various industries. Malfunctions, vulnerabilities, or malicious use of AI systems could have catastrophic consequences. It is essential to establish robust governance frameworks, regulations, and accountability mechanisms to mitigate these risks and maintain human oversight over AI technologies.

## FEATURED OPINION: Will Bruce, Writer

"There is a big point for each side of this argument, AI could be an ideal tool for humans, but also a deadly one. Limiting the advancements of AI would be ideal, since it's helpful in everyday life to the extent that it is already at. ChatGPT, the new AI chatbot is already powerful enough, big companies are using this to work out problems they are having, and ChatGPT will come in clutch to propose the solution. So I do see AI being the future, maybe not in a good way. I think technology intelligence should not be taken any further than it already has been, taking this to the next level could lead to very bad things."

## HOW DO I VOTE?

View the instructions on the voting page that is next to the issue stand. Voting closes on 2/10/6!

NEXT WEEK'S TOPIC WILL BE: Should success be based on academic performance?



# Book of the Week



## The Explorer

### Story

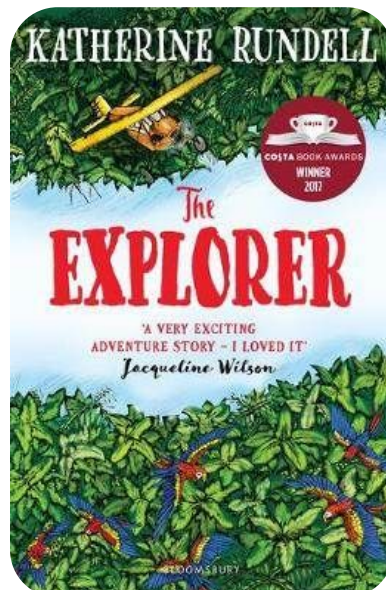
Fred, Con, Lila and Max's plane is on the way to Manaus when it falls out of the sky. Now, lost in the Amazon rainforest, they must figure out the basics of survival: water, shelter, food. Do they wait for rescue, or find a way to rescue themselves?

As they get bolder and explore further afield, they see more traces of another human inhabitant, too – and then they find the map. Who was here before and where will the map take them?

Rundell's writing is exquisite – simultaneously quiet and loud, and with a wildness that reflects both the children's untamed natures and the forest around them. Fred is practical, Con sharp and thorny, Lila quiet and thoughtful, and Max is a miniature explosion. There is a hidden city, plus sloths and bees and snakes and caimans and everything in between. There are themes of friendship, the environment and survival, and it is completely, utterly wonderful. Purely adventure.

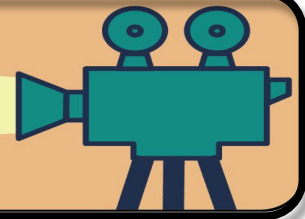
### Age Rating:

The age rating for this book is 10+, so fully appropriate for everyone in the school.





# Media Review



## Blackadder's 40th Anniversary

*\*may contain spoilers*

On the 15th June, it will be Blackadder's 40th anniversary. In this media review, will be a history of the programme.

Even after 40 years, Many of the actors in this show still remain some of the most recognizable uk actors. Some of the programs most favourite scenes have now made it onto 8 stamps, which the writer Richard Curtis said he was "very amused and delighted" to see his creation on the stamps. Producer John Lloyd said: "The entire team behind Britain's leading situation tragedy is deeply honoured by Royal Mail's magnificent stamps of approval. The stamps, which go on sale on 17 May, also feature characters played by Hugh Laurie, Stephen Fry, Tim McInnerny, Miranda Richardson, Brian Blessed and the late Patsy Byrne. The 40th anniversary of the series is also being marked with a special programme about the "lost" Blackadder pilot episode in which Sir Tony Robinson did not play Baldrick.

Age Rating:



My  
rating:  
9/10



# Music Review



## Top of the charts

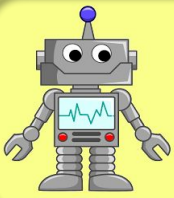
1. All My Life  
*Lil Durk/J. Cole*
2. Popular  
*The Weekend, Playboi Carti, Madonna*
3. Dance the night  
*Dua Lipa*
4. Calm Down  
*Rema, Selena Gomez*
5. Flowers  
*Miley Cyrus*
6. Kill Bill  
*SZA*
7. Calling  
*Metro Boomin, Swae Lee, NAV*  
*etc*

## 12,000 year old bone flutes:

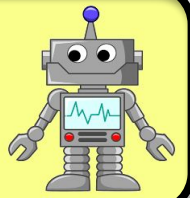
Researchers have found a set of tiny bone flutes from the modern day country of Israel. Although the precise function of these flutes is unclear, it is thought that they may have been used for mimicking bird calls. The dig site, Eynan-Mallaha, has been occupied since 1955 but still holds many surprises say the archaeologists who work on the site. These flutes are in fact older than the oldest known structure to be built by humans which dates back only to 9500 BC whilst the flutes date back to 10,000 BC.

## Guess the song:





# Latest Tech News!



## Reddit users furious over changes

Over the last 48 hours, thousands of reddit communities have ‘gone dark’ as a protest against some controversial changes. This is because they have made their API (Application Programming Interface, which is required to make third party apps based off reddit like chrome extensions) expensive to use, causing third party app developers to be annoyed, or some of even the biggest third party apps to shut down due to these changes.

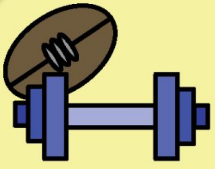
As a protest, some of the moderators of the biggest subreddits have made their communities private for 24 hours. So far, about 7,000 subreddits have shut down. As well as paid admins, the website also relies on thousands of unpaid mods to spend hours of their day moderating their own subreddits from banned content and off-topic content. People at the company say “It needs to be a self-sustaining business” and “We respect when you and your communities take action to highlight the things you need, including, at times, going private”. The blackout includes 5 of the 10 most popular subreddits on the site (r/gaming, r/aww, r/Music, r/todayilearned and r/pics.) which have memberships of around 30 million people. One of the mods said “strength in numbers” in a BBC interview.

Overall, quite a lot of the biggest communities are protesting about this by going private for a round 48 hours due to API costs being introduced.

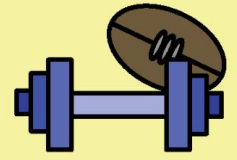


Since 2016, API on Reddit was free





# Sport News



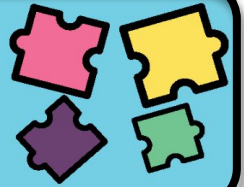
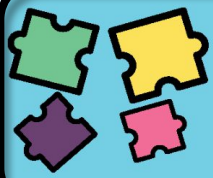
## Charity Football

### Soccer Aid

Soccer Aid is a charity football match, raising money for Unicef. This game takes place every year, with both ex professional athletes and celebrities. The event was initiated by singer Robbie Williams and presenter Jonathan Wilkes, and since has made over £38 million through donations and ticket sales. The 2 teams, World XI and England, have gone head to head since the creation of the event back in 2006. The people playing that year will be categorised into either team, no matter what nationality. In Soccer Aid 2023, ex athletes like Sir Mo Farah, Usain Bolt, Paul Scholes (scorer), Gary Neville, Jermain Defoe, and many more took part. An amazing attendance, saw up to 75,000 fans come to watch Soccer Aid at Old Trafford, what a moment for all players, especially the scorers! This years result was yet another World XI win, finishing 4-2.



# Puzzles



## Riddles

Easy - What question can you never answer yes to?

Medium - What is easy to get into than out of?

Hard - What has legs but can't walk?

			9				6
3		7		4	2		
	1		8			7	
		1				5	
		9	4		3		1
	9		2	8		6	
	1	7	6			9	
3		5					8
2							

\*(This sudoku will be cut out next to the issue stand for you to complete)!

$$\begin{array}{l}
 \text{Basketball player} + \text{Basketball player} + \text{Basketball player} = 30 \\
 \text{Boy} \times \text{Boy} + \text{Basketball player} = 21 \\
 \text{Girl} + \text{Boy} \times \text{Boy} = 80 \\
 \text{Boy} + \text{Girl} \times \text{Basketball player} = ?
 \end{array}$$

## Last Issues Answers

Easy - The Future, Medium - A Map, Hard - A Barber  
& Music - Humpty Dumpty

# Visit Our Website

Hello! As you may have known, Millthorpe News actually has its own website!

Here, you can read the newspaper digitally, view older newspapers and even take quizzes!

**Note: You must be signed in your school account to access it.**

**All this is available at:**

**[sites.google.com/millthorpe.southbank.academy/millthorpenews](https://sites.google.com/millthorpe.southbank.academy/millthorpenews)**

**Or for after school use only:**

**Scan the QR code:**



See you there!



# Credits

## Editorial Team

### Y9 - Oliver Lynch

Head Editor, Puzzles, Book of The Week Writer & Site Editor.

### Y9 - Jared Van Schalkwyk

Head of Graphic Design & Debate  
and Discussion Writer

### Y9 - Tom Brook

Head of Marketing.

## Writers

### Y9 - Freddie Newton

Head of Writing, Correspondent &  
Journalist

### Y9 - Will Bruce

Sports Writer & Marketer.

### Y9 - George Moir

Music and Media Review  
Writer.

### Y9 - William Bradley

Part-Time Science Writer

## You can be here!

Email or ask a member of our team to join!

# VOTING PAGE!

THIS WEEK'S TOPIC FOR DEBATE AND DISCUSSION IS:

## Should we Allow AI to advance further?

### FOR

Your Name (Optional)

Tick Here:

Your Name (Optional)	Tick Here:

### AGAINST

Your Name (Optional)

Tick Here:

Your Name (Optional)	Tick Here:

### How should I vote?

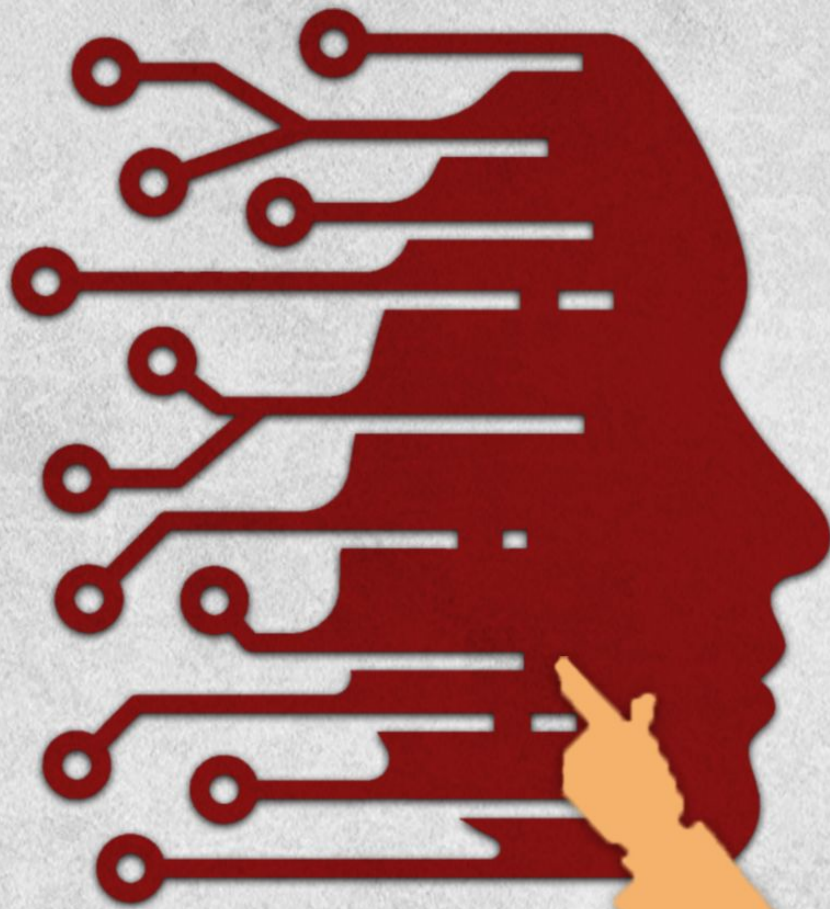
Vote by putting 1 tick in either the FOR or AGAINST table. Both named and anonymous votes will be taken into account so feel free to remain anonymous! To keep this page tidy, please do not write anywhere but the voting boxes, this includes any other form of vandalism.

### Want to have a chance to be featured in the next issue?

Please email [20jaredv@millthorpe.southbank.academy](mailto:20jaredv@millthorpe.southbank.academy) or [20oliverl@millthorpe.southbank.academy](mailto:20oliverl@millthorpe.southbank.academy) with the subject 'Debate and Discussion'. In the main content put your opinion that you want to have a chance to be in the next issue.

MILLTHORPE LIBRARY NEWS PRESENTS THIS WEEK'S TOPIC FOR  
**DEBATE AND DISCUSSION:**

# SHOULD WE ALLOW AI TO ADVANCE FURTHER



## VOICE YOUR OPINION:

PICK UP MILLTHORPE LIBRARY  
NEWS **TODAY**, TURN TO **PAGE 7**  
AND CAST YOUR VOTE. THE  
NEWS IS FOUND AT THE  
**ENTRANCE** TO THE LIBRARY.  
MAKE YOUR VOTE.  
**TODAY.**



## **DEBATE CLUB - *Advertising Jared's debate and discussion page to members of debate club***

*To members of debate club,*

If you spend your breaks and lunches in the library and were looking for something interactive and engaging to do within the school, you might be interested in getting involved in a newly based debate-themed activity. Every week, Millthorpe Library News (MLN) writes a 15 page newspaper that is put by the entrance of the library. Recently, we have launched a new page called debate and discussion. In the page, there will be a debate and information to back up both sides of the argument. Also by the entrance of the library, there will be a voting page where students can fill in their name (optional) and put a tick on whichever side you are for. The votes will be counted up and the results will be displayed in the next debate of the week page. At the bottom of the voting page, next week's debate will be shown.

We would love for people to get involved and please email  
**20jaredv@millthorpe.southbank.academy,**  
**20freddien@millthorpe.southbank.academy** or  
**20oliverl@millthorpe.southbank.academy** with the subject 'Debate and Discussion' if you want to be a featured opinion in the next debate.

\*There are also sudoku's by the weekly issues and voting page which you can do with the answers in the next issue.