



# BIDDENHAM



DISCOVER MAGAZINE

## READ...

about the wonder that is marine life!



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...and challenge your brain  
with a short wordsearch

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SUBMISSIONS!!**



Read about how to help  
endangered pandas!

**“EDUCATION IS THE PASSPORT TO THE FUTURE, FOR TOMORROW BELONGS TO  
THOSE WHO PREPARE FOR IT TODAY.” –MALCOLM X**

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Thank you to everyone who submitted their articles. We at the Biddenham Discover team, apologise to those who have not had their submission put in this issue of the Biddenham Discover Magazine. We would appreciate more submissions for our next issue, so please send them in (details in the poster). Thank you once again.

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# MESSAGE FROM THE HEADS OF SCHOOL

Dear Readers,

Well here we go...a new school year and a new editorial team; I'm excited to see what direction they take the magazine and the whole 'discover' concept. From its inception a few years ago, it has gone from strength to strength as a place where students can express themselves and illustrate their knowledge and writing ability on a variety of topics for the rest of the school to have fun and enjoy. Thanks in advance to our editorial team for all their hard work and ensuring that the 'discover' magazine goes from strength to strength.

Enjoy



Mr D Bailey & Ms E Grylls



# MESSAGE FROM MR BROWN

Dear Readers,

We are so glad to be able to welcome everyone back with the new edition of the Discover Magazine. We hope that everyone finds something in the magazine that they enjoy and can relate to, if not then why not consider writing a piece for the next edition. The start of a school year is always an exciting and busy time as we all adjust to the demands of a new term and for some a new school. Each year brings its own challenges from year 7 settling in to Years 11 and 13 preparing for their exam year ahead, to all we wish you the very best of good fortune.



Mr A Brown

# MESSAGE FROM MR EVANS

Firstly, if you were with us last year, I would like to welcome you all back to Biddenham. If you are new to Biddenham, then I hope you have settled in well? Either way, I hope you had a relaxing and enjoyable summer. Within the Sixth Form we have a very busy term ahead and I am delighted to see students have started off so well. We have made a couple of changes to Sixth Form this year and one of those is when we hold our wellbeing session. Every Wednesday students can be part of a range of activities to support their wellbeing. If you have an idea for one, then let us know! Furthermore, I wanted to remind you of all the fantastic support we have available to students within the Sixth Form, from career support to bursaries and drop in sessions to support you further.



Mr E Evans

# A MESSAGE FROM THE HEAD PREFECTS

Today marks the beginning of a journey filled with new opportunities, challenges, and growth. I am deeply honoured to welcome you to our new school year and an especially warm welcome to our new Year 12 students and Year 7s.

To our Year 12 students, I want to extend my warmest congratulations for reaching this pivotal moment in your academic journey. You are not only responsible for your own success but also for nurturing an environment of inclusivity and support for everyone who walks through these corridors. Let us set an example, and inspire others.

To our Year 7s, I want to say welcome to our school community! I vividly remember my first day here, and I know that stepping into a new environment can be exciting and nerve-wracking. Rest assured, you have an entire school family here to guide you, support you, and help you flourish. Embrace the opportunities that come your way, make new friends, and never be afraid to ask questions. Your journey through the years ahead will be an incredible one, and I have no doubt that you will achieve great things.

To the rest of the school, let us remember that we are a close-knit community, bound together by shared experiences and a commitment to excellence. It's not just about individual accomplishments; it's about what we can achieve together. As we welcome Year 12 and Year 7, let us also take this moment to reflect on our own goals, whether they be academic, personal, or extracurricular. Let us support one another, celebrate each other's successes, and lend a helping hand when needed.

Darius Tatu

Firstly, I would like to welcome everyone back to this new school year. I am looking forward to getting back to and enjoying this school year with you all.

I would like to welcome the newest addition to our school, the year sevens and all of our other new students. We hope that you have settled in well and that you enjoy your time here at Biddenham. Remember to go for every opportunity that comes your way, you never know what you might end up enjoying!

I can't wait to dive straight into the role of Head Girl and co-lead the student body with Darius this year. I am sure the role will bring about challenges for myself and Darius, as well as give us many opportunities to maintain and further improve the high standard of the school, as our predecessors have done so well. I am extremely grateful for the opportunity to represent Biddenham and give back for what the school has done for me. Have a great year everyone!

Eve Piotrowski

# CRYPTOGRAPHY

Quantum computers are strong machines that have a new approach to processing data and are able to solve complex problems, which have new ways of encrypting data. They are more efficient to encrypt data and much harder to decrypt data. Quantum computers can easily detect plain text. However, quantum computers can break down anything so they are both the pros and cons to cryptography. Peter Shor has an algorithm that can solve discrete log problems by using quantum computers. This just shows how powerful quantum computers are.

The NIST have been trying to find quantum resistant cryptography. Only 67 algorithms were made to try to make then quantum resistant cryptography in the first round. Only 26 where selected by the NIST, and this was evaluated in the next round and they made new algorithms, which consists of:

1. Code-based cryptography - cryptography based on code
2. Multivariate Cryptography-cryptography based on asymmetric encryption
3. Lattice-based Cryptography - cryptography s based on a mathematical problems
- 4.Hash-based Cryptography - is cryptography based on hash function by using mathematical sequencing and functions and this is use digital signature so no one can steal your data
5. Isogeny-based Cryptography.:cryptography which uses short keys and characters, however the encryption for this is very difficult to understand as they use some advanced revolutionary mathematics.

Lattice-based Cryptography is based on a mathematical problems with a lattice and how does this work by using vectors. These are quantities with magnitude and direction. These are added and subtracted. The good thing about this is that finding the points near 0 or close to another in 2 dimensions. A quantum computer can find the integers quite easily, but if the vectors are in 400 dimensions this will be very challenging. The way to convert cipher text to plain text is by using a private key and a public key and to find these keys it will prolong the process and even if a quantum computer helps speed it up it still takes a very long time to find the cipher or the plain text.

One example is crystals Kyber which is a friendly quantum algorithm which is to transfer the key and make keys.

Read Hash-based Cryptography;

However, I do assume that you know what a digital signature is. A signature from a trusted site is to protect your data or organisation from copyrighting so it gives you permits. There are new ways of doing hash based cryptography which has been proposed by: Isogeny-based Cryptography.

Why is this cryptography interesting for mathematicians?

One reason from my perspective is that there are a lot of challenges such as we need to make a function or a sequence to solve some of the problems in cryptography such as quantum computers. These are very advanced machines that do stuff faster than us. So, how can we make an algorithm that can prevent these sophisticated quantum computers from decrypting the data? As you can see there is a lot of problem solving to do to solve this problem which I think makes cryptography interesting for a mathematician.

For a mathematician the real definition of cryptography is: "Cryptography is the science of using mathematics to hide data behind encryption". This definition comes from Privacy Canada and there are other websites that give this definition.

It is also the science of Cryptanalysis and securing data. The mathematics inside the cryptography is very interesting on how the people who made cryptography.

But I have learnt that there is a lot of mathematics in cryptography such as; elliptic curve logarithms, Such as functions and equations, lattice and vectors which are mechanics .

Algorithms have lots of problems and challenges to solve which are interesting for mathematicians.

Some examples of the algorithms are: Diffie-Hellman(DH);there is a some details on DH DH is a key exchange rule that communicates without it being transmitted over the internet. These algorithms are very complex and unique for a mathematician

There is a lot of mathematics in cryptography so this means that there must be a lot of mathematicians making them. They have to be unique and sophisticated, so that they can not be decrypted that easily, so it is more of a problem and challenge to solve.

And without problems there will be no maths so this cryptography is one of the essentials for the mathematician to solve the problem and make the solution much better.



**AMOUR AMOUR**

# Endangered Pandas

Pandas are one of the most beloved animals in the world, but unfortunately, they are also one of the most endangered. The giant panda, which is native to China, is listed as an endangered species by the International Union for Conservation of Nature (IUCN). There are only around 1,800 giant pandas left in the wild, and their numbers continue to decline due to habitat loss and fragmentation.

One of the biggest threats to the giant panda is habitat loss. As China's population continues to grow, more and more land is being converted for agricultural and urban development. This has resulted in the fragmentation of the panda's habitat, which makes it difficult for them to find food and mates. In addition, climate change is also affecting the bamboo forests that pandas rely on for food.

Conservation efforts have been put in place to help protect the giant panda. The Chinese government has established over 60 panda reserves, which cover more than 5,400 square miles of land. These reserves provide protected habitat for pandas and other wildlife. In addition, the Chinese government has also implemented laws to protect pandas from poaching and illegal logging.

Conservation organisations such as the World Wildlife Fund (WWF) are also working to protect the giant panda. The WWF has been working with local communities to promote sustainable development and reduce the impact of human activities on panda habitat. They have also been conducting research to better understand the behaviour and needs of pandas.

Despite these efforts, the giant panda is still facing many challenges. In addition to habitat loss, pandas are also threatened by disease, climate change, and human activities such as hunting and poaching. It is important that we continue to work to protect this iconic species and their habitat, so that future generations can enjoy the beauty and wonder of the giant panda.



**NAHIDA BEGUM**

October 2023



# THE DANCE OF FLUIDS: UNRAVELLING THE MARVELS OF FLUID MECHANICS

Imagine a world where liquids and gases twirl, spin, and mingle in a mesmerising dance, shaping our everyday experiences in ways we often overlook. Welcome to the captivating realm of fluid mechanics, where the behaviour and properties of fluids—whether it's the gentle flow of a river, the rush of air through your hair, or the intricacies of ocean currents—are explored and understood. In this essay, we will embark on an adventure to uncover the secrets of fluid mechanics, unravelling its wonders in a way that is accessible and engaging, even for those without any prior knowledge.

## **The Building Blocks of Fluid Mechanics**

At its core, fluid mechanics investigates the behaviour of substances that flow—liquids and gases. Picture water coursing through a river or air gusting through a forest. Fluid mechanics delves into the forces, motions, and interactions that shape these phenomena. Just as dancers follow choreography, fluids adhere to principles known as the laws of fluid mechanics. These laws govern how fluids move, how forces influence their behaviour, and how they respond to different conditions, providing us with a fascinating glimpse into the inner workings of our dynamic world.

## **The Symphony of Forces**

In the realm of fluid mechanics, forces are the conductors orchestrating the grand symphony of motion. Gravity is the main maestro, influencing how fluids flow and interact with their surroundings. Imagine a river meandering down a mountain slope or a colourful hot air balloon ascending gracefully into the sky—gravity pulls, tugs, and shapes these mesmerising movements. However, it is not the sole performer in this symphony. Viscosity, the measure of a fluid's resistance to flow, and pressure, the invisible hand that nudges fluids in various directions, also play important roles in this captivating performance.

## **The Tug-of-War: Bernoulli's Principle**

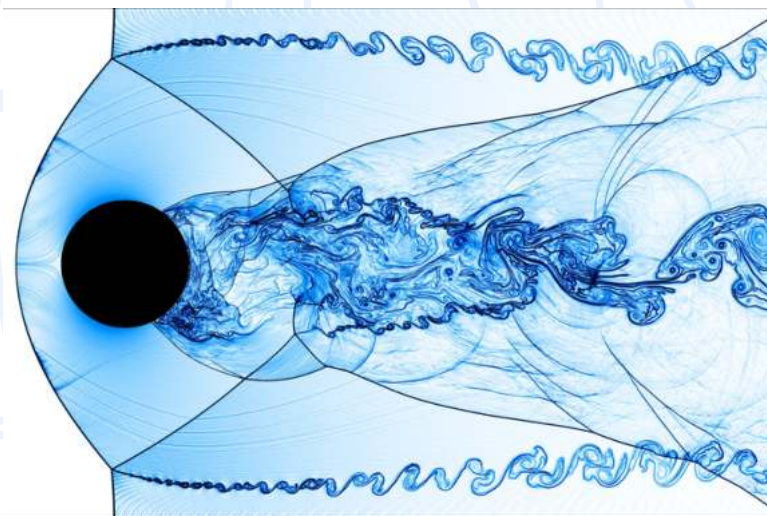
One of the star attractions in the realm of fluid mechanics is Bernoulli's principle. Imagine air whizzing past an aeroplane's wings, enabling it to soar through the skies. Bernoulli's principle explains this marvel, stating that as the speed of a fluid increases, its pressure decreases. This principle underpins the flight of birds, the propulsion of ships, and the graceful movements of athletes diving into a pool. By understanding Bernoulli's principle, we gain insight into the extraordinary dynamics that allow objects and creatures to harness the power of fluid flow.

## The Unseen Giants: Turbulence and Boundary Layers

As we delve deeper into fluid mechanics, we encounter two fascinating phenomena: turbulence and boundary layers.

Turbulence is the chaotic dance of fluids, characterised by swirling eddies and unpredictable flows. It is the mesmerising chaos behind crashing ocean waves and the reason for the ruffling of your hair on a windy day. Boundary layers, on the other hand, refer to the thin layers of fluid that develop along surfaces as they interact with the flow. Understanding these hidden giants illuminates the dynamics of flight, heat transfer, and a myriad of natural phenomena.

Fluid mechanics, the captivating realm where the invisible forces that shape our world unfold, provides us with a window into the enchanting dance of liquids and gases. From the symphony of forces orchestrating the movement of fluids to the unseen giants of turbulence and boundary layers, fluid mechanics reveals the intricate beauty behind everyday phenomena. By understanding the principles and behaviours of fluids, we can marvel at the wonders of nature, appreciate the engineering marvels that surround us, and embrace a new perspective on the fluid world in which we live. So, the next time you witness a flowing river or feel the breeze against your face, remember the captivating secrets of fluid mechanics that lie just beneath the surface.



Darius Tatu

# THE POWER OF CHOICE

**The Significance of Choice:** Choice provides us with autonomy, granting us the freedom to exercise our own judgement and act upon our desires. It serves as a catalyst for personal growth and self-discovery, allowing us to explore different avenues and learn from the consequences of our decisions. The ability to choose gives us a sense of control over our lives, enabling us to take ownership of our actions and forge our unique path.

**Empowerment and Responsibility:** With choice comes responsibility. We are accountable for the decisions we make and the impact they have on ourselves and those around us. Recognizing the weight of our choices compels us to approach decision-making thoughtfully and ethically. It encourages us to consider the long-term implications, align our actions with our values, and make choices that promote personal growth and collective well-being. Through responsible decision-making, we can cultivate a life that reflects our authentic selves and fosters a positive impact on our communities.

**Overcoming Fear and Indecision:** While choice brings freedom, it can also evoke feelings of fear and indecision. The fear of making the wrong choice or the fear of the unknown can paralyse us, rendering us incapable of taking action. However, it is through embracing our fears and making choices despite them that we experience personal growth and cultivate resilience. Each decision, whether it leads to success or failure, offers valuable lessons and opportunities for growth. By re-framing our perspective and viewing choices as stepping stones rather than pitfalls, we can navigate life's uncertainties with confidence and courage.

**Embracing Adaptability:** Choice is not a one-time occurrence but rather an ongoing process that requires adaptability. Life is dynamic, and circumstances change, often necessitating the reevaluation of our choices. Embracing flexibility and remaining open to new possibilities allows us to course-correct and make adjustments as needed. It is important to remember that even when faced with limited options, we still have a choice in how we respond and navigate challenging situations. By cultivating a mindset of adaptability, we empower ourselves to make the most out of any circumstance and create a fulfilling life.

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# RISING COST OF LIVING

The cost of living in the United Kingdom has been a matter of increasing concern in recent years. As the prices of essential goods and services continue to rise, many individuals and families find it increasingly challenging to meet their basic needs and maintain a decent standard of living. This article explores the factors contributing to the rising cost of living in the UK and discusses the implications for individuals and society as a whole.

One of the primary drivers of the increasing cost of living in the UK is inflation, which erodes the purchasing power of individuals. Inflation occurs when the general price level of goods and services rises over time. Unfortunately, wages have not kept pace with inflation, leading to wage stagnation. This means that while prices for essential goods and services are rising, the incomes of many individuals remain stagnant or grow at a slower rate. As a result, people find it more difficult to cover their expenses, leading to financial strain and decreased disposable income.

The UK is grappling with a severe housing crisis, particularly in major cities. The demand for housing exceeds the supply, driving up rental prices and property costs. High rents make it increasingly challenging for individuals and families to secure affordable and suitable accommodation. For those unable to enter the property market, rising rental costs consume a significant portion of their income, leaving little room for savings or discretionary spending. The housing crisis exacerbates the overall cost of living, making it more difficult for individuals to make ends meet.

Energy and utility costs have been on an upward trajectory in recent years, further contributing to the rising cost of living in the UK. Prices for electricity, gas, and water continue to increase, placing an additional burden on households. Rising energy costs not only impact individuals' budgets but also contribute to environmental concerns as people may struggle to afford heating during colder months or make energy-efficient choices. The increase in utility costs adds to the financial pressures faced by individuals and families.

Transportation costs, including fuel prices, public transportation fares, and car ownership expenses, have also been on the rise. Commuting to work, school, or other destinations has become more expensive, putting additional strain on individuals' budgets. Rising transportation costs affect individuals' ability to access job opportunities, education, and essential services, as well as impacting their overall quality of life.

The gradual worsening of the cost of living in the UK has significant implications for individuals' quality of life and overall well-being. As expenses rise and incomes fail to keep pace, individuals may find themselves making difficult choices between necessities such as food, healthcare, education, and other essential expenses. Financial stress and the constant struggle to meet basic needs can lead to increased levels of anxiety, mental health issues, and reduced overall life satisfaction.

The rising cost of living exacerbates social inequality and increases the risk of poverty. Those on lower incomes or fixed incomes, such as retirees or individuals in low-paying jobs, bear the brunt of these challenges. The inability to afford basic necessities, coupled with limited access to opportunities and resources, perpetuates a cycle of poverty and hinders social mobility. The growing gap between the cost of living and individuals' ability to afford it deepens socio-economic disparities within society.

The rising cost of living in the UK presents a pressing concern that affects individuals, families, and society at large. Factors such as inflation, wage stagnation, the housing crisis, increasing energy and utility costs, and transportation expenses contribute to the overall financial strain faced by individuals. This strain not only impacts individuals' ability to meet their basic needs but also has far-reaching implications for their well-being and quality of life. Addressing the rising cost of living requires a comprehensive approach that involves policies aimed at tackling inflation, addressing the housing crisis, and promoting income growth. By mitigating these challenges, we can strive towards a more affordable and equitable society, where individuals can lead fulfilling lives without the constant burden of financial hardship.



**SAMIUR RAHMAN**

October 2023

# Marine Life

## Introduction

The vast and mysterious oceans that blanket our planet are home to a mesmerising array of marine life. From the microscopic to the magnificent, these creatures inhabit diverse ecosystems and captivate us with their beauty and adaptations.

## Ingenious Adaptations

Surviving in the marine environment requires ingenious adaptations. Some creatures, like the stealthy octopus, can change their colour and texture to blend seamlessly into their surroundings. Others, such as the deep-sea angler fish, have evolved to produce their own light, using a glowing lure to attract prey. The streamlined bodies of dolphins and sharks enable them to navigate the water with incredible agility, while the bio luminescent displays of fireflies of the sea create mesmerising light shows in the ocean at night.

## Ecosystem Interconnections

Marine life is intricately interconnected, with species relying on each other for survival. Coral reefs, for example, form a complex web of interactions where tiny coral polyps build calcium carbonate structures that provide shelter for numerous species. Fish, in turn, feed on the algae that grow on corals, helping to keep the delicate balance of the ecosystem intact. Whales play a crucial role in nutrient cycling by diving deep into the ocean, consuming vast amounts of prey, and releasing nutrient-rich waste near the surface, supporting the growth of plankton.

## Conservation Challenges

Despite the awe-inspiring beauty of marine life, it faces numerous challenges. Climate change, overfishing, pollution, and habitat destruction threaten the delicate balance of marine ecosystems. Rising ocean temperatures lead to coral bleaching, devastating reefs and jeopardising the entire ecosystem they support. Plastic pollution poses a severe threat to marine creatures, who often mistake it for food or become entangled in it. Conservation efforts, such as marine protected areas, sustainable fishing practices, and reducing plastic waste, are crucial to preserving the delicate balance of marine ecosystems.

## Conclusion

The realm of marine life is a captivating world filled with diversity, adaptations, and interconnectedness. From the tiny organisms that drive the ocean's productivity to the majestic creatures that roam its depths, marine life showcases the wonders of nature. As stewards of our planet, it is our responsibility to protect and preserve this fragile and magnificent ecosystem for future generations to appreciate and cherish.



Raeesah Begum

October 2023

# Why is Graphic Design so important?



## **What is Graphic Design?**

In simple words, Graphic Design is the visual portrayal of ideas and concepts through the use of words, shapes, form, and colours. Graphic design is such a broad topic, but most people automatically associate it with either using editing software such as Photoshop, or just designing things on computers. However, Graphic Design is so much more than that. It can include, but is not limited to: packaging, typography, interior design, web design, animation, textile, and so much more. Everyone sees a multitude of different graphic design in their everyday lives - even using your phone is a form of graphic design.

## **Why is Graphic Design so important?**

Graphic design helps to communicate effectively with a range of audiences because sometimes visual designs are better at conveying ideas and sharing messages. Designers work with a variety of media types, including typography, illustration, photography, etc., to provide visual interpretations of concepts and messages. These messages then spread to the general public through written media including books, advertisements, websites, television, movies, product packaging, signs, social media, and much more. The media has an enormous impact on us. It shapes what we see and how we understand the world, as well as how we see ourselves and others.

Accessibility can be increased through graphic design. Visual, auditory, or mobility impairments are common among people worldwide. Designing for accessibility is crucial to reaching the broadest audience possible, and with the technology we have today,

It's much simpler to make this a reality. Designing with accessibility in mind is essential since there might not be enough digital information for those with disabilities or impairments. Everyone is set back from obtaining the stuff they could gain from or enjoy if this segment of the population is not taken into account. By promoting diversity, graphic designers can have a significant impact on society.

Many of our difficulties are also resolved by graphic design. Design is frequently solution-driven. Designers attempt to provide answers that enhance our lives by identifying problems, researching the surroundings, identifying what is lacking, and then proposing potential remedies. This dates all the way back to when the wheel was created, and it continues today with the creation of mobile texting applications.

Although we may have grown accustomed to the majority of design items, they are nonetheless all around us and part of our daily lives. Traffic concerns, for instance, were resolved by traffic lights and road signs. Graphic design in particular gave us operating systems and design software, enabling the internet to look like how it does now, instead of just neon green monotype on black screens.

We are able to securely, effectively, and enjoyably use the majority of items because of solution-driven visual design. And while not all graphic design content aims to solve issues (some are created to inspire or communicate), we can't dispute that it significantly advances our ability to live better every day.



**Najia Ahmed**



# HOW TO STUDY MORE EFFICIENTLY



## WITH AI

If you truly wish to do better in school and you're struggling to learn on your own, artificial intelligence (AI) might just be the answer to your problems. Imagine having your own personal tutor available anytime, anywhere, capable of answering your questions and helping you achieve your goals. This is where chatbots such as ChatGPT come into play. We'll explore how to make the most out of AI to help you with school, along with almost anything else that you want to get better at. ChatGPT is an advanced chatbot which can help you with any question you are looking to solve. Using it, you have a vast repository of knowledge at disposal. It is free for anyone to use and should definitely be taken advantage of by students.

### **Learn, don't copy**

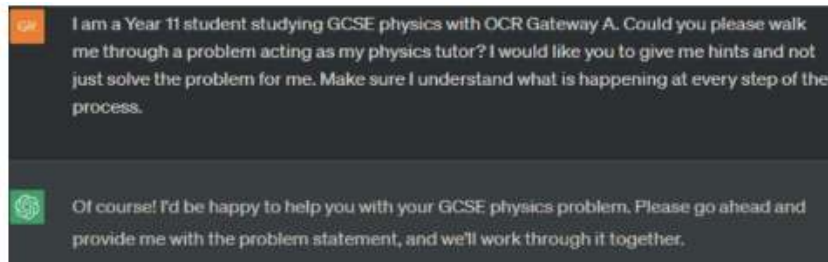
Let's take the example of trying to solve a difficult physics question. The difference between using ChatGPT to help you and using another resource to help you is that ChatGPT will always be 100% tailored towards the question and towards your needs while another resource may be talking about a similar question, or may simply not give you the explanation that you are looking for. You can literally ask ChatGPT any question and it will walk you through how to do it.

Here's where many students go wrong trying to learn using ChatGPT. ChatGPT can provide instant answers, but it is essential to approach it as a learning tool rather than a shortcut. If you rely on the chatbot to do your homework and to do your work for you in class, you will disadvantage yourself in time. Relying on it answering all of your questions for you will hinder your growth and understanding.

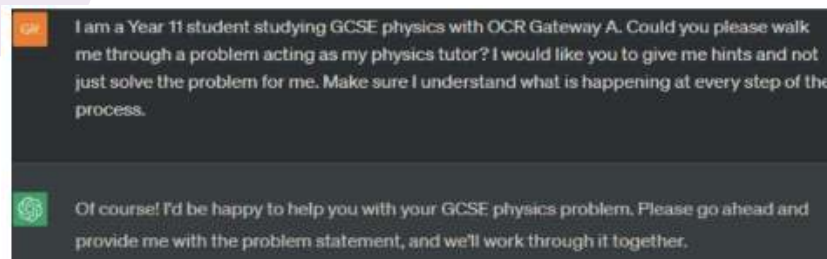
Let's say the physics problem you are doing involves projectile motion. Instead of simply asking ChatGPT for the answer, try actively engaging with it in a learning-focused manner. Start by asking ChatGPT to explain the concepts behind the problem. Break it down step by step so that you can really understand the underlying principles. Perhaps start off by asking it to give you a hint to steer you in the right direction instead of walking you through the problem. This can help guide you to solving the problem by yourself with a little boost. If you still can't solve the question, ask ChatGPT for another hint. If you're still not sure where to go, ask it to do the first part of the question for you. Every step of the way, make sure to really understand its explanation. Remember that you should use ChatGPT as if it is actually your teacher. It can go into as many details as you want at any point in an explanation. Here's a top tip for students who are motivated to reach those top grades in their subjects: after you've finished off the problem and you've understood the concepts behind the problem, ask ChatGPT for additional practice questions or similar examples, and take the opportunity to solve them independently. This is a hands-on approach which can really help you gain a deep understanding of the topic in question.

Let's take a look at how I would actually use ChatGPT to help me with a problem I am unsure of.

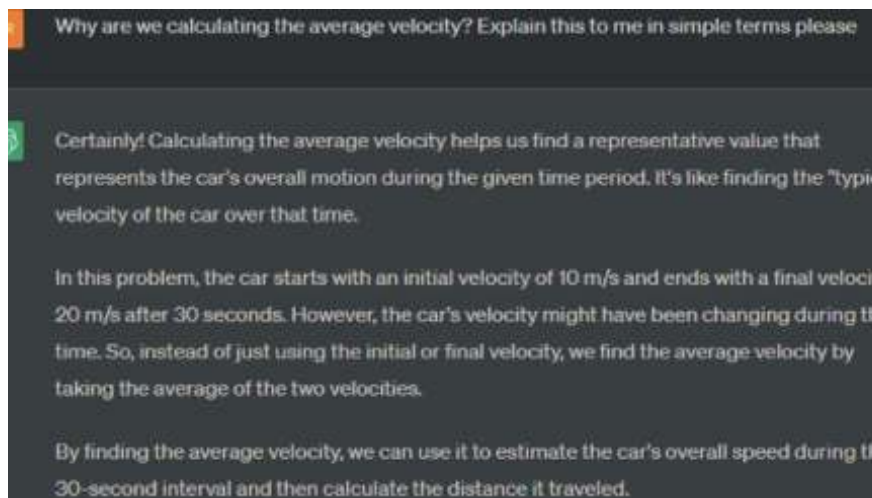
**Step 1** - Start with a simple prompt to tell it why you are talking to it:



**Step 2** - Ask the question.



**Step 3** - Ask any questions you may have in order to understand the problem.



**Step 4** - Continue to ask for help and hints until you finish the problem, and then ask for similar questions to solidify your knowledge.

In conclusion, use ChatGPT to help guide you through problems instead of giving you the answers. Set aside some time every day to talk to ChatGPT about what you didn't understand in any lessons at school today to expand your knowledge. Believe me, it will be worth it in time. There are plenty of other AI powered tools which you can use to study more efficiently, you just need to search for them. Perhaps ask ChatGPT?

Justin Grosu

# INCOMPETENCE WITHIN BRITISH POLITICS

From former prime minister Margret Thatcher's industrialisation movement and onwards throughout British Politics the parliament has shown to be inadequate, we as taxpayers place our trust in individuals who lack professionalism. An example of this would be when Boris Johnson forgot his speech and instead began to go on a tangent, talking about a children's programme, Peppa Pig. Do our politicians also lack maturity? Governing a nation state is a serious matter and if we can't trust those in power (the state) then does it call for our own involvement? Should we take matters into our own hands? Are we calling for deregulation? Would deregulating society be safe? Though deregulation restores society's liberty it plays right into the hands of anarchy. Deregulation is a tricky topic as the state is put in place to ensure the safety of society and guide it into the best direction possible but with that being said there perhaps needs to be tougher requirements to become a part of the constituency whether that be through personality assessments, knowledge assessments, personal values assessments, etc.

In essence the UK is in need of a strong individual who is stable to carry the country into triumph rather than downfall, an example of what exactly the UK does not need is a prime minister that begins procedures to then not have the strength to carry them out successfully such as David Cameron, David Cameron began the BREXIT process however did not follow through when things began to become tough and as a result resigned when his country needed him most; leaving the next prime minister to be a mess to handle. Following on, former prime minister Theresa May followed the BREXIT process successfully to then cause the 'Windrush Scandal' in which British citizens were denied medical care, kicked out of their homes and even deported from their own country which again causes the question of when exactly will the UK face stability?

Furthermore, another example of failed professionalism within Parliament would be former prime minister Boris Johnson, guilty of holding social events during the COVID 19 pandemic continued to abuse his parliamentary privilege and continued to lie rather than pledge amendment to society. In doing so the privilege committee decided to suspend Boris Johnson for 10 days while conducting further investigation.

Throughout the investigation Mr Johnson was made aware of the committee's findings with the opportunity to dispute if found misleading or a false accusation. However, Mr Johnson had not and instead behaved childishly referring to Parliaments investigation to amend dishonest ways within the Parliament a 'witch hunt' although the procedure was necessary in restoration of society's faith within the parliament. By Boris going against the very policies put in place by the man himself it made society question whether the state really had its best interests at heart or not and whether they should/had to abide by the policies instructions or not, causing devaluation of parliament members importance and governance as a whole.

And so therefore the investigation was necessary for societys reassurance in state governance. But instead of having society's interests at heart Boris behaved irrationally due to conscious guilt. His actions continued to defame him, rather than showing a change for the better he resigns to avoid permanently having his parliamentary seat being taken from him and any further action taken against him. Which raises the question, is the state really true to us? Should be place as much trust and value on the state as we do?

A further example of lack of professionalism within British politics would be when Suella Braverman an Indian British Parliament Member continually spoke against men of Pakistani background, claiming that they were the reason for all if not most rape cases within the UK. However statistics speak against this and show that it is in fact white male that are the majority of rape causers, which makes us as audience watching the behaviour of this parliamentary member question her impartiality and capability in being able to cope with all cases the state come across.

The reason for this being questioned is solely for the purpose of her background and the ethnicity she spoke against. Yes in history India and Pakistan faced conflict however continuing to feed this into society only develops and reproduces further hostility between the two countries and their people whether they be citizens of the two countries or live abroad with Indian or Pakistani heritage. Which parliamentary members should not be doing and should rather help society become more harmonious. The use of old ideology can be detrimental to the peace among society.



**HAYAA BUTT**

# Winter

All the words are hidden vertically, horizontally or diagonally—in both directions. The letters that remain unused form a sentence from left to right.

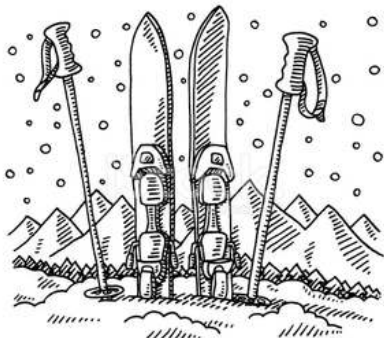
H G I E L S E S R O H A Y C C  
H S C A R F Z H A T S O L R D  
T A G L O V E S I N N G L T O  
E M I S T L E T O E D I I C E  
E T F F E R R W E Y N T H S T  
T S O R F U F D D R A I C N E  
G I C I C L E S E A S O N O S  
N R T H T E A H T U T E R I C  
I H T L I O C I S N R Z I T C  
R C A E O I S V O A O E M A E  
E S L L T I N E R J N E G T D  
T B G C O L D R F O O R T I E  
T I C I N E S S E S M F H P C  
A F I R E I N S M T I I U I E  
H S E L A G M M O E C T E C M  
C K R A R C T I C W I N D E B  
A I E T A K S N E D W A I R E  
N T E R S R A E B R A L O P R

FIRE  
FREEZE  
FROST  
GALE  
GLOVES  
HAT  
HORSE SLEIGH  
ICE  
ICICLE  
ICINESS  
IGLOO  
JANUARY  
MISTLETOE  
POLAR BEARS  
PRECIPITATION  
SALT  
SCARF  
SEASON  
SHIVER  
SKATE  
SKI  
SNOW  
STEW

ANTIFREEZE  
ARCTIC WIND  
ASTRONOMIC

BECOME FROSTED  
CHATTERING TEETH  
CHILLY

CHRISTMAS  
COLD  
DECEMBER



# MR ALEXIS' CAREER JOURNEY

I originated from a small town in Yorkshire. It's not small, it's called Huddersfield. I was born and bred there, went to school there, but left when I was 26. Moved to Leeds for 20 years and then came down here to Bedford, in 2010. I lived down here and 2 years ago I moved out to Rushden. My education, my history, my working background, was all in the North of England and when I went to teaching I moved south.

I really enjoyed school. I am still friends with a lot of people I went to school with and still see them on occasions. I did Art of course, Technical Drawing, History, English, Maths and I did RE at the time. Not like today because we only had eight subjects. You guys do 12 or 11!

After school, I went to an art college. My first years I did a foundation course and I was meant to go to university near Manchester, but that fell through so I took a gap year and worked for a printing company. I finished my degree at Leeds university. Excellent uni, I know a lot of people in Bedford that went to Leeds and didn't want to come back.

I worked in advertising for a large part of my life, once I finished art college, university. My first job was in advertising and I worked for a small design agency in Leeds and then moved onto various jobs within the industry such as art direction and became a director of a company where I worked something around 30 years in the industry. It was brilliant, I loved it! For every client you have to learn something about them. You have to visit where they are. The kind of brands I worked for like Mercedes Benz, Fox's biscuits, Tesco's, Asda, crisp companies, Smith's crisps, you name it I worked on quite a lot of various ranges of stuff, sky sports all kinds of stuff. The good thing about stuff like that is that you can go visit these places, learn about them, and sample the goods.

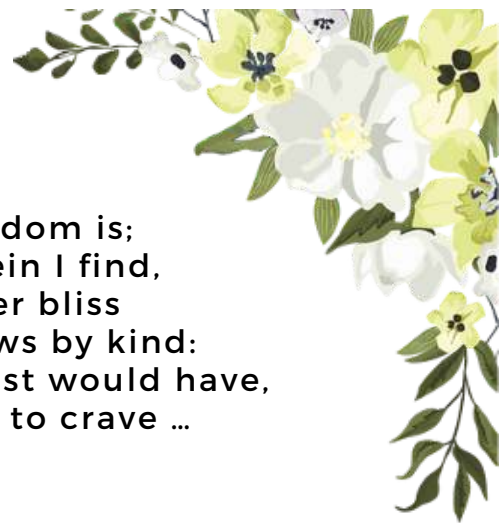
When I was about 15 there were two things I wanted to do: first one was to work in advertising and the second one was to become a teacher. It just felt right, I was sort of between jobs and I was at an age where I was thinking as well that if I'm going to do it now's the time to do it. So I had a sister in Bedford, and made the move! When I came here for my spins I had my last period of training to do, so I came here as a trainee for three months to three years when then Jackson Crawford, Mrs. Finney's brother was in post, but he was leaving to do teacher training in Edinburgh, so the position became vacant. When I came into teaching I didn't know anything about it as such but they've always supported me through really well so that's been really good!

My advice is if you have that passion it's a good thing to do, because it's not really work. I mean yeah it gets harder and it gets pressure but if it's something you really enjoy doing then go for it. I've had a lot of parents come to me saying 'my daughter needs to be a doctor but she says she wants to do advertising, why is that?' and I say because she's good at it and she loves doing it, so do it!

# POETRY



When failures come - keep going  
When you feel like giving up - keep going  
When people mock your idea - keep going  
When challenges you face - keep going  
When mistakes are made, learn - but keep going  
Because perseverance just keeps going!



My mind to me a kingdom is;  
Such present joys therein I find,  
That it excels all other bliss  
That earth affords or grows by kind:  
Though much I want that most would have,  
Yet still my mind forbids to crave ...



# DISCOVER SOCIETY

Biddenham has a range of societies available for you to join!

One being the Biddenham Discover Society run by Sixth Form students every Tuesday lunch time.

So what do we do?

The society is available to anyone in year 10 and above. The prefects introduce subjects or topics that they think are good opportunities to broaden your knowledge or develop your skills. We look at trending articles, controversial topics and even help with your studies. However, these sessions can be tailored to what you want to learn about! If you want to go into politics (for example), we can run debates. Any suggestions are welcome :)

Over the last 2 years, we have worked hard to create CV workshops and help students find work experience opportunities to develop their resumes. Towards the new academic year, the society will look at personal statements and how to write one: what to mention; what is relevant; choosing a course and more. Sixth form subject ambassadors create sessions to introduce the members to subjects new and available to them at A-Level. In the past we have had Law students create interactive presentations discussing the subject itself as well as the different career pathways. It's an opportunity for you to ask questions and talk to your peers about their experiences.

To summarise, discover society is an opportunity for discussion and allows for anyone to join and learn something new (outside of your subjects).

For more information, please attend the next session at lunch time in N2 on a Tuesday or email [abdul.shakoor@mybiddenham.com](mailto:abdul.shakoor@mybiddenham.com)



HANIFA BEGUM



December 2021 Vol 3 - 3rd Edition

THE **BIDDENHAM** DISCOVER MAGAZINE

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**CREATIVE SUBMISSIONS**  
- Artistic Piece  
- Posters  
- A Short Story

**BEST REVISION TECHNIQUES**  
Find out how best to prepare for exams by reading Evie's article!

**Thinking of studying medicine?**  
Read about the application process for medicine, written by a student who has gone through it!

**Have we cured COVID-19?**  
A fascinating article on the different vaccines that have been developed this year.

**INCLUDES A WORD SEARCH**  
Test your skills by attempting to complete Hanifa's word search

**Ready2Lead**  
Learn about an opportunity you could get involved with in the future

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Interested in finding an amazing new read, check out the book reviews on page 21

"THE BEST PREPARATION FOR GOOD WORK TOMORROW IS TO DO GOOD WORK TODAY." - ELBERT HUBBARD

April 2022 Vol 4 - 4th Edition

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**CREATIVE SUBMISSIONS**  
- Textiles Block  
- Poems

**INTERNATIONAL WOMEN'S DAY**  
Read about The Equality of Period Cramp Simulators

**INCLUDES A WORD SEARCH**  
Test your skills by attempting to complete an Easter word search

**NEWS OF ICE ENGINEERING**  
A little insight into an eye-opening career...

**DINOSAURS**  
Find out the connection between dinosaur DNA and birds

**ROLES OF PARLIAMENT**  
Check page 16 for the Ins and outs of Parliament as well as some of the major roles played

"THERE ARE NO SECRETS TO SUCCESS. IT IS THE RESULT OF PREPARATION, HARD WORK AND LEARNING FROM FAILURE" - COLIN POWELL

September 2022 5th Edition

THE **BIDDENHAM** DISCOVER MAGAZINE

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**CREATIVE SUBMISSIONS**  
Some great pieces, including poems and art work

**FIND THE TEACHER!**  
Find this teacher hidden in the magazine. Can you guess who it is?

**LANGUAGES**  
Learn a few new phrases in Ndebele

**HOW IT ALL BEGAN...**  
Read about the famous "big bang theory"

**DONUTS!**  
Only the best finger donut recipe out there - tried and tested!

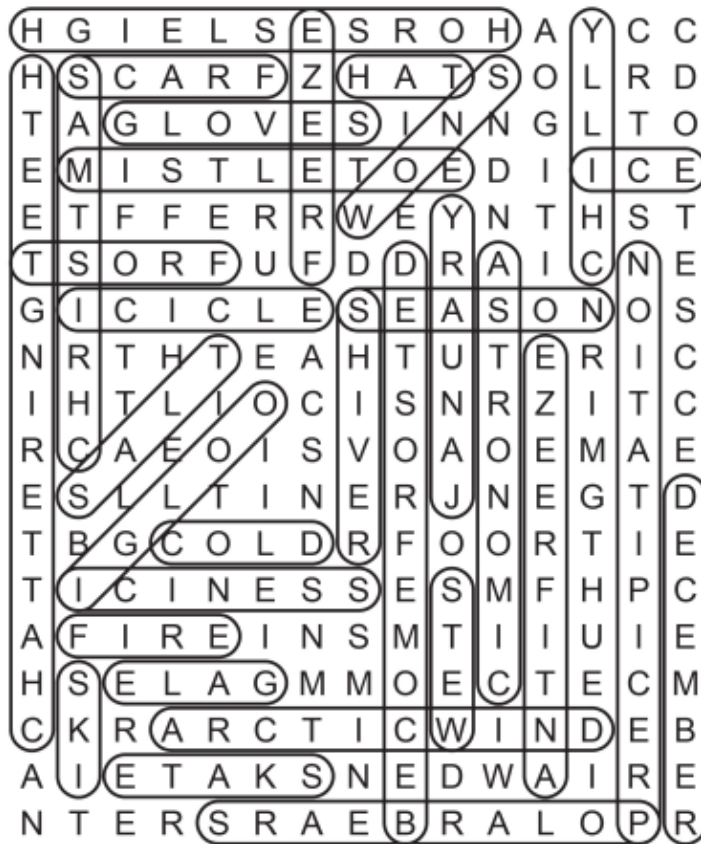
**MEDICINE**  
Gain an insight into how you can start a career in medicine

DO THE DIFFICULT THINGS WHILE THEY ARE EASY AND DO THE GREAT THINGS WHILE THEY ARE SMALL. A JOURNEY OF A THOUSAND MILES MUST BEGIN WITH A SINGLE STEP. - LAD T20

CHECK OUT PREVIOUS EDITIONS OF THE DISCOVER MAGAZINE

# ANSWERS!

## Solution: Winter



### FRIENDS?

Each can have the prefix UNDER- to form a new word.



# Sicily 2023!





THE  
BIDDENHAM  
DISCOVER  
MAGAZINE

"Success only comes to those who dare to attempt." - Mallika Tripathi

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