

A WADHAM SCHOOL STUDENT PUBLICATION

THE QUILL



MATTHEW GARDNER VENI, VIDI, VICI

Saying good bye to a beloved head

*"Teachers who have worked with him say that everything he does is
'for the students'"*



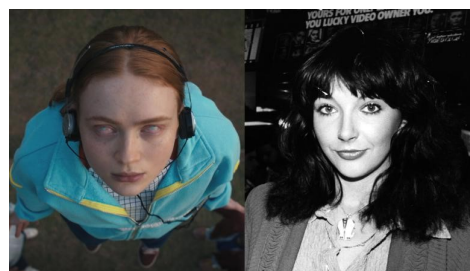
Celebrating a national treasure—

The Queens Jubilee



A blast from the past—The return

of Kate Bush



A conference on failure—Bonn

2022

**BONN
CLIMATE CHANGE
CONFERENCE**

June 2022



Last Call—Is the curtain drawing on Hamilton?



Lights, camera, action— Bridgewater Carnival 2022



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Introduction

Welcome to the fifth edition of the Quill.

As we bring an end to the summer term of 2022, our student journalists have been hard at work putting together another collection of thought provoking interviews and articles. In this months magazine you will find the reflections of Matthew Gardner's time as head, discussions of Lewis Hamilton's career, the return of Kate Bush and whether generational wealth is something to be concerned about.

If you want more information please contact myself at the school.

Happy Reading

Peter Hopwood - Editor-in-chief

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GLOBAL NEWS

By Toby Ward

The Bonn Climate Conference – A Short Summary



Over six months have passed since world leaders met in Glasgow for COP26 and UN Delegates gathered again in the German city of Bonn in preparation for COP27 in Egypt. The Bonn climate conference took place from the 6th to the 16th of June this year to continue talks from COP26 in Scotland and lay out plans for COP27 where the global leaders will meet next.

What about the Ukraine crisis?

In COP26 countries pledged to “phase out” coal and reduce the use of fossil fuels, but with the war raging on in Ukraine and the sanctions of Russia, many countries have disregarded their promises and gone off track. When speaking to the BBC the US envoy on climate change John Kerry warned that the war in Ukraine “must not be used as an excuse to prolong global reliance on coal”. And many people are saying despite the drawbacks of the Ukraine war and the cost-of-living crisis we are still not moving fast enough to prevent the worst impacts of climate change.



Key Outcomes

A theme that started at Bonn and is expected to carry on into COP27 was “Implementation”- or getting things done. COP26 finished the years of talks finally finalising the Paris agreement, a climate deal aimed at keeping global warming well below 2°C. With it now wrapped up negotiators are beginning to turn their attention towards how its text can be turned into real action.

Other main focuses of Bonn was to raise ambition, how climate change is already causing serious impacts for people across the world, adapting to climate impacts – especially in developing countries, climate finance – the ongoing challenge of providing money to address climate change – or, more specifically, persuading developed nations to do so and the beginning of the road to COP27.



REFLECTIONS ON MR GARDNER'S TIME AT WADHAM

By Year 9 Students



Mr Gardner is often seen around the school with a red coat and an umbrella. He is usually carrying a radio and ready for action! We see him when he is standing in the canteen and asking us about our day. Mr Gardner has delivered all of us our birthday cards and he makes sure to wish us a happy birthday. It really seems like he means it.

In assemblies, and when he has talked to us, Mr Gardner has shown us that his reason for being in education is to try and give us opportunities. We feel like he does actually care if we are successful or not and it is nice to feel supported.

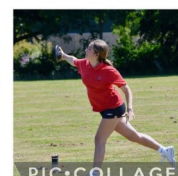
Mr Gardner has been the teacher who has given us prizes and certificates. He always makes sure that everyone gets a round of applause after their get their awards and tries to show how important it is to celebrate our success. When we have rewards assemblies, he makes it fun by putting on a show of the raffle tickets and prizes that we can get.

He leaves Wadham after being here for 18 years. He served 14 years as deputy head and has been headteacher for the last 4 years. This is all part of 33 years in education. That is a long time and Mr Gardner has taught hundreds of students in that time.

Teachers who have worked with him say that everything he does is "for the students", and that he loves nothing more than what they call a philosophical debate. Some teachers told us that Mr Gardner could talk about why schools matter for hours and never take a break!

We just wanted to say thank you to Mr Gardner who has been looking after us while there are so many changes happening to our schools and during the pandemic. We hope that he gets to watch lots of cricket and read his big chunky books on history and politics.

On Thursday morning, all the students went to the front of school and clapped as he came into school. We think that Mr Gardner found it quite embarrassing, because he doesn't really like too much attention. We hope that you enjoy spending more time with your family and relaxing. Goodbye Mr Gardner.



TEAM WORK MAKES THE DREAM WORK

By Zoë Killick

This week I have thoroughly enjoyed my work experience placement at Imagine, Learn and Create (ILC) near South Petherton. ILC has been running for over 12 years and offers art and craft tutoring and life-changing opportunities for adults with learning difficulties, and fun is always at the heart of everything they do. They are often working on amazing projects, such as open days, fundraising events and even commissioned exhibits for Wells Art Contemporary 2021 and 2022- you can go and see their display this year, entitled 'Trove', from the 30th of July to the 27th of August.

In only my short time at ILC, I have learnt, experienced and enjoyed so much. Now that they have finished working on their project for Wells Art Contemporary, the students, ILC leader Jess and the other tutors have started work on ideas, signs and games for their upcoming open day in a couple of months' time (Saturday 24th September). This is something I have been lucky enough to have been a part of. This week, I have been: designing and creating a sign and had help with painting it by many of the lovely students, creating a brightly coloured wooden display, pitching in and helping the students, having lots of chats, and even trying out some of the games that will be featured there! I have really grown in self-confidence this week, learnt so many new skills, and made so many amazing new friends. Thank you ILC for this amazing opportunity.

If you'd like to learn more about ILC, you can check out their website with the link below.

<https://imaginelearncreate.net/>



Generational Wealth: Why should we be bothered about it?

By Emily Watson

So, you think you know a lot about your favourite celebrity, but how much do you really know?

Many of today's most famous people like actors and singers had a huge head start when it comes to where they are today because of what they were born into. Now don't get me wrong they still had great skills to get to where they are today but they certainly had help, from their family tree.

So what does this mean? Well some of 2022's most world renowned celebrities such as: Jake Gyllenhaal and even Taylor Swift were filthy rich before anyone had ever heard their names.

Jake Gyllenhaal is a fantastic actor and a major movie star but Hollywood was in his blood. His father Stephen Gyllenhaal is a successful director and his mother Naomi Foner is a screenwriter. This means that although he himself has skills however he probably wouldn't be where he is today without a little help from his parents' and then big bank accounts.

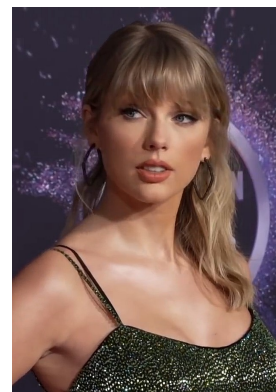
Taylor Swift: She is an excellent singer and songwriter but she too has had a boost getting to where she is. Her father Scott Swift is the founder of the Swift Group, a Merrill Lynch wealth management group. This meant that she grew up in a wealthy house surrounded by some very wealthy people.

Bradley Cooper: He is a very well known actor, producer and director but as you can tell he also has had a push getting where he is today as he too grew up in a very comfortable lifestyle and he even went to the very prestigious private school Germantown Academy in Fort Washington. His father was a stockbroker with Merrill Lynch and made some big bucks in doing so.

And it's not just the American stars it's the British too as many of the well known English actors such as Eddie Redmayne and Benedict Cumberbatch attended some of England's most prestigious schools like Eaton (Eddie even attended with Prince William) and Harrow.

Now what this means is if you are a person born into wealth you have more opportunities available to try for yourself and your career because if it fails you always have a back up plan with your parents' money, however if you aren't born into wealth like regular people such as me and you it can be much more difficult.

As acting and singing are very competitive fields and difficult to get into most people don't have the options to try them in case it doesn't work out and you end up jobless. For average people we can only do what we have the resources for so you can't beat yourself up about following your dreams because although the celebrities may talk about it it rarely works for people and only a select few that make it in Hollywood don't come from generations of wealth. So you have to absolutely be in the right circumstances to follow your dreams to make it in Hollywood and industries alike because it's so much more difficult for people who aren't born into family trees with a history of money.



BRIDGWATER CARNIVAL 2022

By Will Ford

Bridgwater carnival is the UK's oldest annual carnival and one of the largest illuminated carnival processions in Europe (Some even believe it's the largest in the world). It is traced back as far as the 5th of November 1605, although not fully known when the procession started. It is the home of Somerset carnivals, and the biggest of them all. Somerset County Guy Fawkes Carnivals Association (SCGFCA) procession starts at Bridgwater, but also travels to places such as; Burnham-on-sea, Glastonbury, North Petherton, Shepton Mallett, Wells, Weston-Super-Mare and Ilminster. Bridgwater Carnival is annually held on the first Saturday of every November.

The 'Carnival Cart' idea began around 1982, which then was a trailer pulled by a tractor! In the recent two decades most carnival clubs have moved from a tractor and trailer to converted lorries, which are fully articulated, contain hundreds of dazzling lights, fully moving parts and even its own sound system and power source. There are also the famous walking entries, which are often a spectacular costume or dress someone has created, and off course the odd couple of dressed up mobility scooters.

2022 will be the first year of physical carnival since 2019, due to covid which brought us the idea of 'Virtual carnival'. These were a selection of the top carnival cart entries between 1982 and 2019. 2021 was the first slight sign of a return of carnivals with the Sedgemoor masquerade week. This is when the clubs would walk around the procession with clubs being allowed to bring a small trailer (even though some were considered quite large)

However, in 2022 Bridgwater Carnival were approached by the Platinum Jubilee Pageant and asked all clubs to come together to create a cart with a budget of £160,000 (which they said was tight) and they did not disappoint. This cart was called Jubilation and represented the whole of Somerset carnivals. It had 32 costume performers on it, and 110 walking in front. The cart took 12 months to build and plan, 30.5 metres long, 180 sheets of plywood, over 20,000 woodscrews and 200 litres of environmentally friendly paint.



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Puzzle Time Go!

By Sarah Hutter

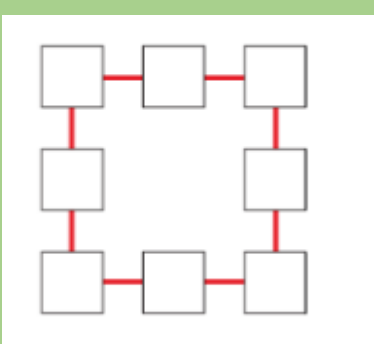


Maths is a Problem

Number puzzles for you to solve from the Maths department.



Arrange the digits 1 to 8 on this diagram so each adds up to the same value.



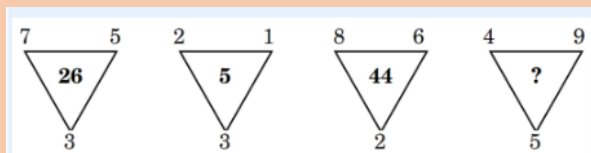
There is a pile of dice.

Three of them are put in a row. The numbers on the top of these three add to 8.

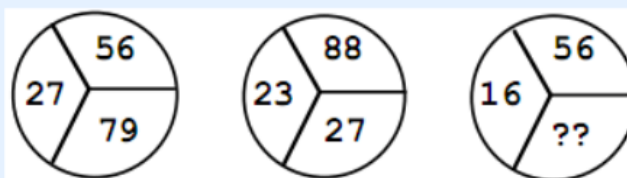
What do the hidden numbers on the bottom add to?



What is the missing number in Triangle Four?



What is the missing number?



$$3 + 3 + 4 = 10$$

$$3 \times 3 \times 4 = 36$$

$$3.3 + 6.7 = 10$$

$$3.3 \times 6.7 = 22.11$$

What is the greatest product that can be made from numbers that add up to 10?

$$1 + 9 = 10$$

$$1 \times 9 = 9$$

$$5 + 5 = 10$$

$$5 \times 5 = 25$$

$$1 + 2 + 3 + 4 = 10$$

$$1 \times 2 \times 3 \times 4 = 24$$

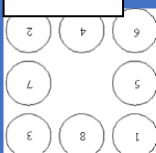
Is the number

$$3^{444} + 4^{333}$$

divisible by 5?

Solutions

Just one solution



Dice problem = 13

Triangle four – The product of the two largest numbers minus the square of the smallest, so $45 - 16 = 29$

Numbers in circles
The left number multiplied by 5 gives the total of the other two.
So $16 \times 5 = 80 - 56 = 24$

Greatest product
Answer next time

Divisible by 5
Yes



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My DofE Experience

By Oliver Wilmott



I decided to do DofE because both my parents did their Gold and had done many great things through the award Scheme. When I saw that Wadham offered DofE bronze I was thrilled.

To complete DofE you need to complete a skill, a physical activity, volunteer, and an expedition for a set length of time. For my volunteering I helped as a young leader at Crewkerne Beavers for 6 months. For my skill I decided to do swimming every week at the Aqua centre in Crewkerne for 3 months. Finally for my physical activity I played football for Merriott Knights for 3 months.

Although I had to put in a lot of work to complete those aspects, the final challenge I faced was the expedition. The expedition was the best bit of the whole

experience. On Friday the 8th of July we set off on our expedition, at 12:00, from a place called Bincombe just up from Weymouth in Dorset. As we walked in the blazing heat, we could see the whole of Portland Island and Weymouth Bay. We walked along chatting, laughing and it was fun. We had to use a map and compass to follow the route we had planned. At about 1:30 we reached our first checkpoint and by then it was extremely hot. We then went on to our second checkpoint and on the way, it got even hotter. As we approached our second checkpoint there was a horse pen and in it was the cutest foal. We stopped for 5 minutes to stroke it and it was so soft. We then pushed on to our third checkpoint. By the time we reached our third checkpoint we all got picked up and taken to the campsite in the mini bus as it had got ridiculously hot and unsafe for us to continue.

At the campsite we sat down and cooked our meals, and all the other groups came back. We then set up our tents and went and chatted with the other groups. It was such a fun experience on the campsite, enjoying time with friends. At about 22:00 we all got into our tents and tried to go to sleep.

The second day came, and we all woke up at 04:30 in the morning to get ready for the walk ahead of us. It was not as hot on the second day. We went past loads of lovely ponds, rivers, and fords. As we were walking, we stopped and found a couple of frogs and decided to make a nice little house for them. So, we got out a plastic tub and put holes in it and put grass, mud, water, and some food in there and they accompanied us on our journey. After the first checkpoint we came to a long dusty path and walking along that felt like we were in a desert. We pushed on following our route and eventually we were walking down the last stretch on the map, knowing that we only had a few meters left. When we got on the bus we knew we had completed our Bronze expedition...it felt amazing!!

I have really enjoyed my DofE experience, and I recommend it for any other adventurous people.



Summer Reading Challenge 2022

By Emre Tunc

This summer, and every other summer, there has been a nation wide event called, you guess it! The summer reading challenge! Each year is a different theme with a different set of challenges and goals, all including reading.

This years name is 'Gadgeteers', the books feature a 6 children planning a party for their towns summer fair celebration. It was chosen in collaboration with 'The Science Museum Group', the leading science museums worldwide.

The challenge itself is directed towards people aged 4 – 11, the idea being to read 6 six books over the summer, which is only about 1 every week. In order to participate, you can either go to a library or sign up online.

If you go to a library you will be supplied with a Gadgeteers poster to list your readings. Whenever you read a book, which can be borrowed from a library, you need to mark down the book on your poster. For each book you read, you gain a prize, like stickers. Anyone who successfully completes the challenge will be given both an award and certificate.

If you instead chose to stay home and do it online, which I can't blame you for, its boiling out there, instead has to sign up at <http://summerreadingchallenge.org.uk/>.

There you will have to create an account, if you're a child then a parents/guardians email, and then set a goal for how many books you aim to read. Hopefully you'll go above and beyond that goal, and you'll get a downloadable certificate instead.

Make sure to check out the website, there are several fun things there, including, but not limited to, a random book generator in case you feel like you cant find anything.



A blast from the past, The return of Kate Bush

By Emily Watson

Kate bush's 2022 success

Who is she?

Kate bush (Catherine bush CBE) is a British singer songwriter, producer and Pianist. She was born on the 30th July 1958. When bush was just 19 years in 1978 old she topped the charts with her debut single "*wutherring heights*", she was then the first female artist to achieve a UK number 1 single with a self written song. Since her "*wutherring heights*" success she has released 25 UK Top 40 singles including "*babooshka*", "*don't Give up*", "*the man with child in his eyes*" and "*running up that hill*".

Bush has 10 studio albums and all of them have been in the UK Top 10, she was the first British female solo artist to reach the top of the UK album charts and she was also the first ever female artist to enter the album charts at number 1.

Why are we hearing about her again

So recently Kate bush has been all over social media, in the charts and on the news, but why are we now hearing about her again? Well as stranger things season 4 is now the most watched English show on Netflix I'm sure most people know why, however for those of us who don't, here's a quick catch up. So recently the hit Netflix show Stranger things (about a group of teenagers in the 1980s living in a small town in Indiana where strange events take place) has used Kate bush's song "*running up that hill (a deal with god)*" as a major part of its plot for the forth episode of the new forth series.

Stranger thing 4, as it's called, was set in 1986 march and this was just months after "*running up that hill*" was released so it made sense for the writers to include the song as many people liked it at the time. However no one could've expected the audience's reaction to such, as many younger people born way after Kate bush's time and the release of "*running up that hill*" would never had heard the song before they went crazy for it, everybody loved how catchy and funky it was and they were clearly now hooked on how "synth" heavy it was and how it truly represents pop music of the 80s.

So everybody rushed to Spotify to play it just after finishing stranger things, there was a huge surge in listeners and it rushed to number 1



in the uk charts and this led to 3 new chart records by her: *longest gap between number 1 singles* (her last being *wuthering heights* 1978), *longest time taken for a single to reach number 1* (37 years), and *she is now the oldest female artist to score a number 1*.

So why does this matter?

I mean aside from the huge success for her, why does this actually matter in the grand scheme of things? Well this just proves how the music industry and the television/industry are more intertwined now than ever before and this is big. As seen in many other new Netflix series's such as *heartstopper* this is of major importance for smaller growing artists because making a song for a hit show is what starts many careers (Orla Garland's career has taken off since being signed to *heartstopper*).

So what we can take from Kate bush's most immense success since 1978 is that the music industry is now fuelled by the television/film industry more than ever as more now than ever are children and teens as viewers hearing artists they've never heard before and realising that they are really good and do deserve more attention and that they can gather more variety and culture from music than they could ever imagine.

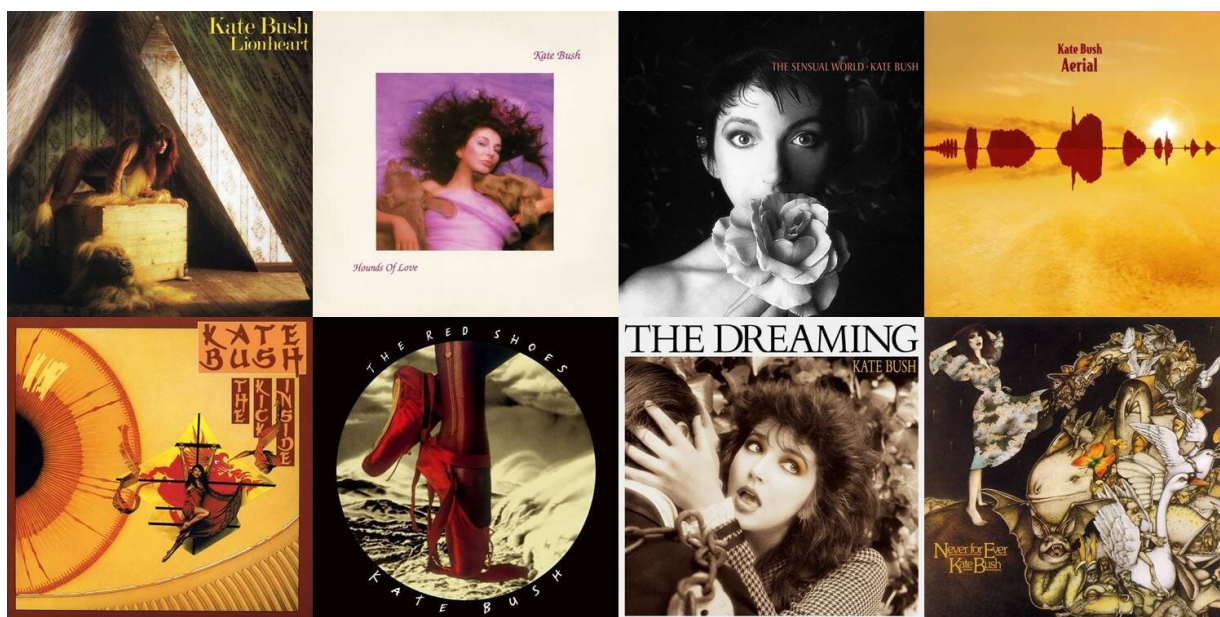


Stranger Things

You might've heard that the first part of the fantastic, gripping new series of 'Stranger Things' has recently been released on Netflix. It features the song, 'Running Up That Hill' which is being given a whole new lease of life by the young fans who love the show - I love it too! Because of this, Running Up That Hill is charting around the world and has entered the UK chart at No. 8. It's all really exciting! Thanks very much to everyone who has supported the song.

I wait with bated breath for the rest of the series in July.

Best wishes,
Kate



Time to think about...

"Conversation therapy for LGBTQ+ students at Birmingham University"

By Imogen Allen

A university has apologised for attempting to modify people's sexual orientation through so-called conversion therapy. After a man came forward to the BBC to say he had experienced the "treatment" in the

1970s, the University of Birmingham commissioned a report.

The man that reported the incident was treated with the electrical shocks every time he had sexual pleasure thoughts of the same gender. However, this treatment is highly unethical and can lead to some serious psychological problems for the future.

The university would hold these sessions a few hours a week. They were harmful and lead to severe post traumatic stress disorder (PTSD) and poor mental health.

The university had been carrying out these experiments from 1966-1983 and had to be believed to have over 1000 patients. One who included a 12 year old boy. They used the idea of shock therapy to make the boy fancy girls his own age rather than older women. Subjects were given the opportunity to look at a series of images and were given a shock if they remained too long on images depicting "sexual deviancy."

The reason to which psychologists try and use this technique of classical conditioning to change the behaviour of the men.

Classical conditioning is a type of learning that happens unconsciously. When you learn through classical conditioning, an automatic conditioned response is paired with a specific stimulus. This creates a behaviour.

There has been many experiments proceeded on conditioning such as parvos dogs. This experiment was taken with dogs. Parvo would ring the bell and give the dog food. At this stage the dog is unconditioned. But eventually the bell would be the neutral stimulus and the dogs would associate the bell with food. They will learn to come to the food when hearing the bell. So the university tried

to carry out this experiment but on human and sexuality changes. It made the patients feel like they were being punished for who they are.



History Matters

THE QUEEN'S JUBILEE 2022



by Will Ford

As most will know this year her majesty the Queen celebrated her Platinum Jubilee on the 6th of February 2022, which marked her amazing 70-year Reign (Becoming the only British monarch to celebrate their Platinum Jubilee). This was celebrated on Thursday the 2nd, Friday the 3rd, Saturday the 4th and Sunday the 5th Of June 2022. Today were going to look at an overview of the events...

Thursday the 2nd of June

On Thursday the 2nd of June there was two main events which celebrated her majesty's Jubilee, which was the Trooping of the colour and Platinum jubilee beacons being lit. The colour was trooped by the 1st Battalion, Irish guards and more than 1200 officers and soldiers from the household division. They put on a display of military pageantry on Horse Guards Parade, together with hundreds of Army musicians and around 240 horses, and during which a royal gun salute was fired. There was also a surprise appearance from the Queen and an astonishing fly past, which contained...

1 x Wildcat (Royal Navy), 2 x Merlin (Royal Navy)
 1 x Wildcat (British Army), 3 x Apache (British Army)
 1 x Wildcat (Royal Marines, Royal Navy), 3 x
 Merlin (Royal Navy)
 3 x Puma
 3 x Chinook
 1 x Lancaster, 2 x Spitfire, 2 Hurricane (Battle of Britain
 Memorial Flight)
 1 x Phenom, 4 x Texan
 3 x Hercules (C-130J)
 1 x Atlas (A400M)
 1 x Globemaster (C-17)
 1 x Poseidon MRA1
 1 x Rivet Joint
 1 x Voyager, 2 x Lightning (F-35B), 2 x Typhoon
 1 x Voyager, 4 x Lightning (F-35B)
 4 x Hawk T2
 15 x Typhoon
 9 x Hawk T1 (Red Arrows)



The tradition of the Lighting of the Beacons was continued which is a long tradition of celebrating Royal Jubilees, Weddings and Coronations.

Friday the 3rd of June

A Service of Thanksgiving for The Queen's reign was held at St Paul's Cathedral. Great Paul, the largest church bell in the country, was rung for the Service. It was made in 1882, but fell silent in the 1970s due to a broken mechanism. It was restored in 2021 and had been rung on 8 occasions since, but this was the 1st royal occasion it was rung.



Saturday the 4th of June

On Saturday the 4th of June the Derby at Epsom Downs was held, and although planned to attend, her majesty Was unable to due to health issues but reportedly watched from Windsor.

The BBC's Platinum Party at the palace (which I myself was lucky enough to attend) saw famous faces from the world of entertainment brought together to perform for a night of musical tributes to celebrate the Jubilee. 22,000 people attended the event including 10,000 members of the public and 5,000 key workers.

Sunday the 5th of June

Over 60k people registered to host Big Jubilee Lunches on the Platinum celebration weekend, with events ranging from world record attempts for the longest street party to back garden BBQ's and everything in between. Over ten million people across the UK joined the celebrations to share friendship, food and fun at Big Jubilee Lunches. People across the world also joined in with over 600 international Big Jubilee Lunches held throughout the Commonwealth and beyond - from Canada to Brazil, New Zealand to Japan and South Africa to Switzerland.



The Platinum Jubilee Pageant saw The Gold State Carriage, led by The Sovereign's Escort lead the Pageant, and much more such as Double decker busses which represented the years of the queens reign, bicycles through the years and even a local entry, from Bridgwater Carnival. A Carnival cart called 'Jubilation' which represented the whole of somerset carnivals, and reflected her majesty's reign. We also saw many costumes, marching bands and more which represented the aspects of the commonwealth.



RUNNING OUT OF TIME - IS THIS THE END OF HAMILTON?

by Lily Caines

Sir Lewis Carl Davidson Hamilton MBE HonFREng currently competes in Formula 1 driving for the Mercedes team. He currently holds 7 World Drivers' Championship titles (2008, 2014, 2015, 2017, 2018, 2019, 2020), 103 wins and pole positions, and 183 podium finishes. However, with all this glory, is his time in Formula 1 coming to an end?

About Hamilton

Born: 7 January, 1985

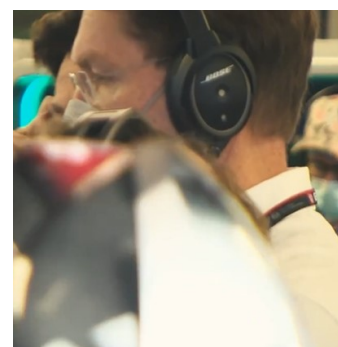
Age: 37

Nationality: British

Teams in F1 he has raced for: McLaren (2007-2012), Mercedes (2013-present)



AMG
PETRONAS
FORMULA ONE TEAM



2021

Hamilton Vs Verstappen

The 2021 season was filled with lots of action and tension as Lewis Hamilton and Max Verstappen both fought for the Drivers' Championship title. The last race of the 2021 season saw the end of an epic battle between Mercedes and Red Bull at the Abu Dhabi Grand Prix. On lap 53/58 saw the safety car come out as Nicholas Latifi crashed. This single event completely changed the race for Hamilton. Verstappen pitted under the safety car getting a new set of fresh tires (soft compound). This was his undoing. The lapped cars behind Hamilton were allowed to pass the safety car to catch up, however this meant that Verstappen was directly behind Hamilton.

'This is so not right.' – Toto Wolff (Team Principal and CEO of Mercedes) protests on the radio to Race Control as they allowed the lapped cars to pass the safety car.

On lap 58/58 saw the safety car go back in, this meant there was only this last lap to decide the fate of Mercedes and Red Bull. Turn 5, Verstappen, on fresher tires, overtook Hamilton ultimately sealing his fate as second on the grid. This ended Hamilton's seven-year Championship title reign.

A dramatic end to a very dramatic season.



FIA FORMULA 1 WORLD CHAMPIONSHIP		
ROUND 22 - ABU DHABI		
STANDINGS		
AFTER ABU DHABI GRAND PRIX		
1	Max VERSTAPPEN	395.5
2	Lewis HAMILTON	387.5

2022Where it all goeswrong

The 2022 season has proven

to be a difficult challenge for Mercedes as problems with the car compromise the position on the grid for both drivers this year so far. Mercedes has signed on George Russel to be Hamilton's new teammate and with this new talent, this will certainly test Hamilton's skills as a driver.

So far in the 2022 season, instead of leading the pack, Hamilton has been fighting for a position towards the back of the pack. The question is, what has happened to Hamilton?

The New Car

First, let's talk about the new car. The Mercedes W13 car hasn't been performing at its best so far in this season. A headache for both Mercedes drivers as new FIA regulations has been set in, hence the major changes to the car.



In previous seasons, Hamilton's car has certainly been the fastest on the grid and his championship titles have certainly echoed the cars ability.

In this season, issues with the new car seem to be endless for Mercedes as they desperately try and find solutions to these problems. Mercedes were one of the last ones to stop developing the new car in this season, so why is there issues with the car?

One of the most notable issues of this season so far is the 'porpoising'. When the car is going at high speeds, particularly on straights in the tracks, the car starts the bounce in its suspension. With this issue, it makes it extremely difficult to attack corners. This costs vital points and time on the track making it difficult for both Mercedes drivers. This issue has risen out of the new changes made to the rules for 2022 – the teams are allowed more freedom to generate downforce from the underside of the car (ground-effect aerodynamics).

However, this runs the risk of the car stalling the underfloor aerodynamics and it bottoming out on the track. And with the sudden loss of down force, the car lifts back up on the suspension and the underfloor aerodynamics starts working again. This is how the porpoising is created.

'You're just praying for it to end' – Lewis Hamilton, commenting on the Azerbaijan Grand Prix as he suffered back pain during the race because of the porpoising problem.

Another issue is that when testing the car, the W13 had less time in the wind tunnel (this is where they test the aerodynamics of the car). With this, it could mean that the porpoising issue is a result of having less time in the wind tunnel.

Other Drivers

Another factor that we cannot deny is the rise of other drivers on the grid taking advantage of Hamilton's vulnerable position and the other drivers becoming better as each race progresses.

Rise of Ferrari?

Ferrari has been in Formula 1 since the beginning, the team has had a long history of success and glory. Also, a history of great expectation as they have mainly been a team for winners and skilled drivers. They have been a dominant force in the sport ever since 1951.

Charles Leclerc and Carlos Sainz have had a great start to the season, most of the races so far have seen them on the podium celebrating their result and success.

Perhaps this is the year for Ferrari as they come back storming for the podium.

Red Bull

Red Bull in previous seasons have always got problems with the car. However, last year saw Max Verstappen as the champion, taking that title away from Hamilton in the turbulent season.

This year has raised the audiences and fans expectations immensely. Verstappen has always had his eyes on the podium and this year so far has definitely challenged him. Especially with his teammate Sergio Perez on his tail, the two Ferrari's and George Russell.

Sergio Perez has definitely been more successful since last season, becoming a common presence on the podium. This year has definitely been his year so far.

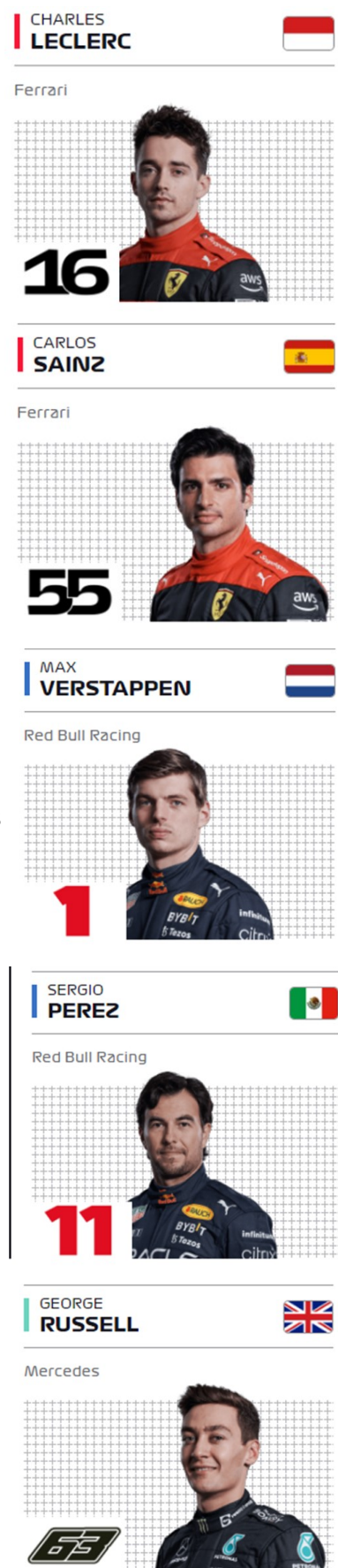
However, something that cannot be ignored is the possibility of a rivalry going on in his own team. In the Spanish Grand Prix, due to team orders, he had to drop back to let his teammate Verstappen through. Of course, he wasn't happy with the decision but, Monaco was definitely his race as he earned that deserved win.

Hopefully, the future provides him with more opportunities for a win and places in the podium.

George Russell

During last season, Mercedes did have their eyes on George Russell and the fans did expect him to go to Mercedes.

He has definitely proved himself to be a good and consistent driver.



In this season, he has for most of his races been the most consistent driver. He has always scored points for Mercedes, meaning his abilities have definitely improved since arriving in his new team.

This has definitely raised questions, as Hamilton was lagging at the back of the grid for most of the races so far this season, George has been scoring vital points. This must have been quite humiliating for Hamilton as he should be out shining his teammate not the other-way-round.

He is definitely a driver to look out for.

Overall


Hamilton has definitely had a hard season so far and let's hope Austria will see him at the top of the grid...or at the back of the grid.


ROUND 11 - UP NEXT

08-10
JUL

Austria >

FORMULA 1 ROLEX GROSSER PREIS
VON ÖSTERREICH 2022





GRAND PRIX WEEKEND

00 DAYS 01 HRS 17 MINS

PRACTICE 1	FRI	13:30 - 14:30
QUALIFYING	FRI	17:00 - 18:00
PRACTICE 2	SAT	12:30 - 13:30
SPRINT	SAT	16:30 - 17:30
RACE	SUN	15:00 - 17:00

Times displayed are track times





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We'll be back typing away again in September, so be sure to get your articles prepared!

A WADHAM SCHOOL STUDENT PUBLICATION

THE QUILL



DO YOU
HAVE YOU
WHAT
IT TAKES?





...to everyone who has helped put this edition of The Quill together.

Emily Watson . Will Ford . Toby Swan

Lily Caines . Zoe Killick . Emre Tunc

Oliver Wilmott . Imogen Allen . Sarah Hutter

The Quill is a magazine for Wadham students and is open to anyone. We want writers, artists, reporters, photographers, reviewers, critics, etc from all across the school.

If you'd like to get involved in our next edition please speak to Mr Hopwood or Miss Davidson