AROUND THE PALACE



Dear all,

This week the whole school honoured those who serve to defend our democratic freedoms and way of life during the Remembrance Day activities. The various activities at Prep can be seen later in this bulletin. At the Senior School the focus of the weekly assembly was remembering that the first and second world wars were global conflicts and recognising the diversity amongst those that fought, which is often not fully recognised.

As we break for the weekend, I would like to send our best wishes to all those families celebrating

Diwali at the weekend. There are a number of activities happening across the school and photos and reports of these will be in next week's edition.

We wish you all a wonderful few days of celebration.

Jane Burton, Head

Cultural Clothes Day



BioArtAttack Competition



The Science department is encouraging students to get creative and enter Biology Week's BioArt Competition. See link below.

They have already modelled membranes in Year 12, neurones in Year 10 and cells in Year 9. Now is the opportunity for them to share their work with a chance of winning a prize.

The closing date is 30 November.

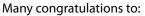
www.rsb.org.uk/get-involved/biologyweek/bioartattack-competition

OP Finalists in the Matrix Challenge Competition

We are excited to learn that three Senior School pupils have got through to the semi-final of the Matrix Challenge. There were over 65,000 entrants, so this is quite an achievement.

The Matrix Challenge is a National Competition run by the Police's Cybercrimes Unit,

Police's Cybercrimes Unit, which focuses on python programming, cryptography and cyber security.
The final is being held on the 16 and 17th of January.



Shreya	Year 13
Rohaan	Year 11
Navya	Year 10



Year 7 Swimming

This week, Year 7 swimmers received an introduction to Diving during their lessons. The most important thing to remember when learning to dive is entering the water streamlined. Refining your streamlining is therefore extremely important.

Below is a photograph showing Ella, Theresa-Mae and Rhianna, 7Stafford, travelling through the water in streamlined positions. You can see how long and narrow their bodies are. This position allows them to enter the water with a minimal amount of splash, which means less resistance is created.



Gold DofE Experience

Over the summer holidays I was able to complete my Gold DofE practice and qualifying expedition in Dartmoor. On both expeditions my group camped for four nights and walked for four days, at some campsites this involved wild camping. At the wild camps we could only collect water from rivers, so had to use water purifying tablets – which don't taste great. My group also ended up having to wade through a river because we got so lost. Despite having to drink water from a river and having no idea where we were, my grouped worked really well together and made the experience really enjoyable.

For our expedition aim my group recorded ourselves reading out myths and legends about Dartmoor, such as the tale of a headless horse roaming the moors. As well as learning about myths and legends, doing DofE has taught me better navigation and camping skills. I feel very lucky to have been able to get outside and meet new people for my expeditions - particularly during a pandemic.

Charlotte B, Year 13





Black History Month

During the month of October, we celebrated Black History Month through various activities such as Cultural Clothes Day and a Poster Competition; each designed to share the stories about black people who have had a great influence on society.

After the death of George Floyd in the United States, massive protests were sparked across the world urging people to stand up against the racial injustice that was shown.

At Old Palace, we have shown that we stand in unity with the Black Lives Matter movement and are willing to educate ourselves on the ways in which we can help the world move forward with this large global issue.







Black History Month continued







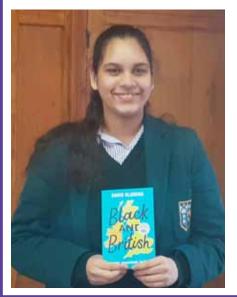
This Black History Month, we decided to focus on Black British History and celebrate the people who lived and migrated to Britain and made a significant impact on our society. We presented an assembly to the school about those who were the first black people in their industry; for example, Edward Warnock-Tull, who was the first black, professional dentist in the UK.

With this assembly we wanted to show that black people have always been in Britain and did not just come to the UK during the more significant periods such as during the Windrush.

As a continuation of the assembly, a competition was held where students, as well as staff, designed a poster to talk about a black person who

they believe plays or has played an important role in our society.

We would like to congratulate our three winners: Ishika Year 7, Anika Year 10 and Mia Year 11, who each received a copy of David Olusoga's book Black and British.







Autumn in Reception

Reception pupils have been very busy learning all about seasonal changes in autumn! The girls went for a walk in their local park or woodland and collected all sorts of autumn treasures such as conkers, acorns, crunchy leaves and pine cones. In the classroom, we sorted these treasures into different tubs and used our phonics to read and match the labels correctly. Some tubs didn't have a matching label so we used our sounds to write one!

As part of our learning on autumn, Reception have been exploring land art. We used natural resources such as flowers, leaves, stones and sticks to create our own beautiful sculptures.



Outdoor Learning

Have you seen our newly refurbished outdoor space for Pre School and Reception? Children free flow between the classroom and garden all day. We have a large sand pit, a mud kitchen, a trim trail and an investigation area complete with a full size bug hotel.

There is also a vegetable patch, water play, construction zone, a reading area and even a stage for outdoor performances!

The children spend lots of time exploring the natural world with magnifying glasses and binoculars, growing vegetables and flowers, feeding the birds or going on nature hunts around a choice of green spaces with the school grounds.

We might spend a morning on the school playing fields with the parachute or take groups to plant bulbs in the school garden; look for worms and insects amongst the logs, have a campfire in our wild area or climb on the trim trail.









Fun Puzzle Competition

A pile of cannon balls are arranged to make a square based pyramid, so that there is one cannon ball on top, four on the next row, nine on the third row, and so on.



If there are 1000 cannon balls, not all of them will be needed.

How many will be left over?

Answer on page 9

African Caribbean Society

We are also pleased to announce that this year, we have started the first African and Caribbean Society (ACS), where students across the school can make themselves more aware of the challenges that black people face today and how they can overcome this, changing the society through their own gain in knowledge.

The topics are on a range of very interesting topics and students can have constructive conversations with others in a safe space.

It was amazing to see so many students coming in their cultural clothes on the last day before half term, sharing their culture with their friends and teachers. All the money that was donated is being given to the charity called 'Show Racism the Red Card'; an anti-racism, education charity.

If you would like to find out more about this charity and support their works you can visit them at: www.theredcard.org/

We hope that all of you enjoyed the activities this Black History Month as much as we did sharing this information with you.

Demi and Lisa, Year 13

Year 3 Mighty Metals Topic - Update

Last week, Year 3 designed and built metal companions for the Iron Man as featured in last week's bulletin.

We have now incorporated a little electric circuit and our robots now either have a light up nose or light up eyes! With enormous excitement we turned the lights off in the corridor to see them light up!









Classics Department Word of the Week 09/11/20



Benito Mussolini

A political orator or leader who gains favour by pandering to or exciting the passions and prejudices of the audience rather than by using rational argument. From Greek δῆμος (dêmos, "people") + ἀγωγός (agogós, "quide").



A letter from Mrs Nike



I was really proud of the way the girls took part in the Remembrance Day service in their classroom on Wednesday. They were sensible, respectful, and contemplative as they considered all those who fought for their country, those who died and those who came home.

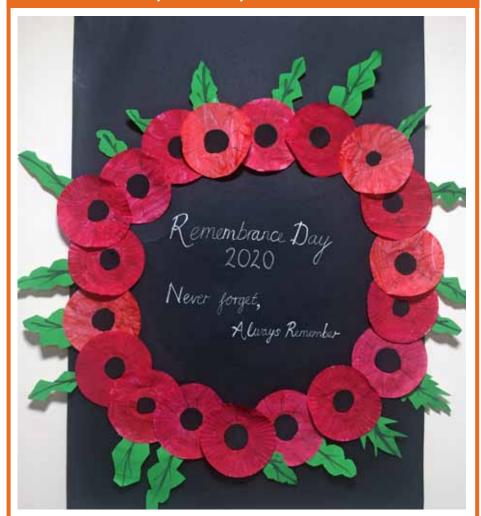
We have had a fantastic week celebrating Diwali, the festival of light. The girls made paper Rangolis, Diwali cards, Coconut Ladoos (Indian Sweet Dish) and sand Rangolis. Diwali is a joyous Hindu celebration and here at Prep we had a great time learning all about it. (Photos to follow next week).

It is anti bullying week next week. We have planned a number of activities that will unite us against bullying and help us to celebrate what makes us unique.

Mrs Nike

Head of Nursery & Preparatory

Remembrance Day Wreath by Year 5



This beautiful Remembrance wreath was a joint effort between Mrs Bhatt (who thought of the idea): our Year 5 pupils (who painted all the poppies) and Mrs Coster (who added the black centre piece and leaf). Then Mrs McMullen took it all home, glued it into a ring and wrote the inscription inside.

Mrs Frost created a lovely Remembrance Day assembly where two Year 5 girls each read a war poem: the first poem was called *A wife in London* by Thomas Hardy and the second was *The Soldier* by Rupert Brooke, 1914.

Reception Class Wearing their Poppies



Music in Biology

As part of the Year 13 A Level course, we study a topic about Respiration. Although we've studied this process before, this time we got to explore the intricate reactions that occur in our bodies. To help us to remember the multiple reactions, we took the approach of writing a song, poem or rap. As an A-Level Music and Biology student, I was excited to integrate these two subjects and for some students, this was a throwback to a subject they hadn't done in years!

We all actively took part and found it fun performing our pieces to each other. Here is a verse from my group's rap which was about the link reaction and Krebs cycle.

Link reaction, listen up, this is biology rap club.

First we'll decarboxylate, the molecule pyruvate,

Then dehydrogenate, and we're left with acetate.

NAD to NADH, which goes to the electron transport chain.

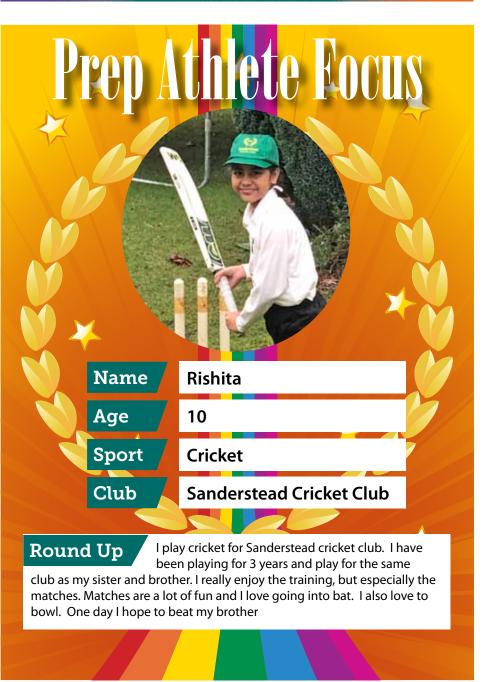
Anushka T, Year 13

Miss Wilks Gets Married



Congratulations to Miss Wilks (now Mrs Jetha) who got married during half term after postponing her wedding due to Coronavirus.





GERMANY QUIZ



WHO IS THE CURRENT CHANCELLOR OF GERMANY?

- A. Angela Merkel
- B. Emmanuel Macron
- C. Markus Söder
- D. Olaf Scholz

Answer: A

WHAT WAS THE WALL CALLED THAT SEPARATED THE COUNTRY?



Answer: The Berlin Wall

WHAT DATE DID THE BERLIN WALL FALL?

- A. 14th January 1976
- B. 9th November 1989
- C. 25th March 1950
- D. 17th September 1993

Answer: B

NAME SOME OF THE NEIGHBOURING COUNTRIES OF GERMANY:

Examples of some answers

The Netherlands, Belgium, Luxembourg, Switzerland, Austria, Poland, and Denmark.

WHAT GERMAN LOGO IS THIS?



Answer: NIVEA

TRUE OR FALSE: GERMANY HAS THE LARGEST ECONOMY IN EUROPE.



TRUE: Germany had a GDP of \$3.948 trillion in 2018

WHAT GERMAN LOGO IS THIS?



Answer: DR. OETKER

WHAT IS THE LONGEST RIVER IN GERMANY CALLED?

- A: Main
- B: Danube
- C: Rhine
- D: Weser

Answer: C

Answer Fun Puzzle Competition on page 3



The layers are made up of increasing square numbers. So we have

1+4+9+16+25+36+49+64+81+ 100+121+144+169 = 819

or

1+4+9+16+25+36+49+64+81+ 100+121+144+169+196 = 1015

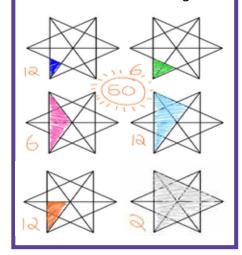
We can use 819 of the balls and have 1000 - 819 = 181 left over

You can study the sum of square numbers as part of Further Maths at A level!

Maths Puzzle Winner

Many congratulations to Emilia in Year 7 who won last week's Maths Puzzle (there were actually 18 correct answers so we chose the winner at random).

The answer was 50 triangles.





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