



AROUND THE PALACE

Miss Kolpaktchi's Ukrainian Fundraising Concert



Our Senior School Music Assistant and Old Palace alumnae, Miss Kolpaktchi, organised a fundraising concert for Ukraine in Croydon Minster last Friday lunchtime. Pictured: Maria Kolpaktchi with fellow OPA, Catherine Jones.

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Dear all,



As the spring term draws to a close, I would like to thank the whole school community for their positivity and contributions during the past three months.

We haven't quite said goodbye to Covid yet but are edging closer to that point and have enjoyed activities across both sites, such as trips, performances and group events that have been sorely missed. The bulletins have reflected this throughout the term and this edition is no exception.

So, enjoy reading about all that has been going on at Old Palace and may I wish all our families a relaxing, spring break.

Best wishes.

Jane Burton, Head

Around The Palace will be published every fortnight from the start of the summer term.

Miss Kolpaktchi's Ukrainian Fundraising Concert *continued*

On Friday, 25th at 1pm, I hosted a British-Ukrainian Aid Fundraiser Concert as part of the Lunchtime Recital series at the Croydon Minster. The concert started with the Old Palace Senior Choir performing Nico Muhly's *Warm Summer Sun*, which was a lovely start as it reflected the sunny weather outside and complimented the warm atmosphere in the church. The concert then included some fantastic solo performances from young musicians, as well as a jazz band which performed an original tune inspired by Polish Folk written by the band's Polish singer songwriter – Kinga Hornik.

To finish the concert, my parents and I performed a set of Ukrainian Folk tunes, some instrumental and some vocal, all while wearing traditional Ukrainian costumes. It was lovely to perform music that many people may have never heard for this cause. The event raised a total of £1,037, which more than doubled my original goal of £500! Thank you to all who were able to donate, attend, perform or help with the organisation of the concert.



Chapel Recital

On Monday, we had the last Chapel Recital of the term. We had some enjoyable performances from Catherine and Arishva in Year 7, Ines in Year 8 and Sanjana and Maheli in Year 9, with a range of music from Corelli to *Did I Mention* from The Descendants.



Year 5: DT 'Time Travellers'

Year 5 recently visited the Old Palace Seniors Design and Technology Department to take part in an object handling session as part of their history topic 'Time Travellers'.

Mr Jupp had gathered together a fantastic collection of products from the recent and not-so recent past. Students learnt about how design and technology of common household objects has changed over time.

The girls were absolutely fascinated to explore the collection, which included items such as typewriters, old 'Brownie' cameras, a 1950s fabric bag 'Hoover', video recorder and CD 'discman' players. They analysed the products in terms of the materials they were made from, the technologies used, the aesthetic appeal and what the objects revealed about the periods in which they were used.

Mr Jupp also showed the pupils some new materials which are being developed in an effort to produce more environmentally-friendly materials,

such as plastics made from bamboo and rice husks. The session ended with a peek at the school's 3D printer, which was printing components for use in Space!

Mr Jupp says: *It was our pleasure to welcome students in Year 5 to the Design and Technology department at Seniors.*

Their professionalism investigating historical links between the products and their excitement and enthusiasm experimenting with the handling collection of products was impressive. I hope that this has inspired them on their journey towards a possible future career in designing and engineering.



Year 8: Ceramic Heads

This term, Year 8 have been looking at distortion and portraiture. Their task was to create a distorted head using clay depicting an expressive emotion and features.

The students began by making two pinch pots from a single ball of clay. Once joined, the neck was added using coils of clay. Students then learnt about applied design, where they created features out of extra pieces of clay and attached them to the head using the score, slip and stick method.

They also learnt how to use extruders which created spaghetti-like clay, which could be used to create hairstyles if they wanted. The heads really came to life for many when they opened up their mouths.

The clay heads were fired in the kiln and then students spent time painting the bisque ware. We are so impressed with all of their outcomes. Well done Year 8!



Reception: French

Reception pupils enjoyed the sunshine on the field whilst Madame McMullen read them some French stories. Then they played a game of boules and practiced their throwing skills. The aim of the game is to get as close to the "cochonnet" (the jack) as possible. It was lovely to have French outdoors.



The Maths Department Celebrates Pi Day



The Mathematics department recently celebrated Pi Day which is celebrated by mathematicians around the world on 14th March.

This is because when the date is written in an American style it is 3.14 – the first digits of pi.

Pi is used to find the circumference and area of circles and has been known about for thousands of years. The approximations are becoming more accurate and we now know 3 trillion digits of pi.

As part of our celebrations, we completed some pi activities in lessons and had even more fun at lunchtime making pi-per chains (paper chains with the colours of the chain determined by the digits of pi), doing pi-dokus (like sudokus – there's one below) and solving pi dingbats.

The Mathematics department continued the week with more special activities.



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

Rules:

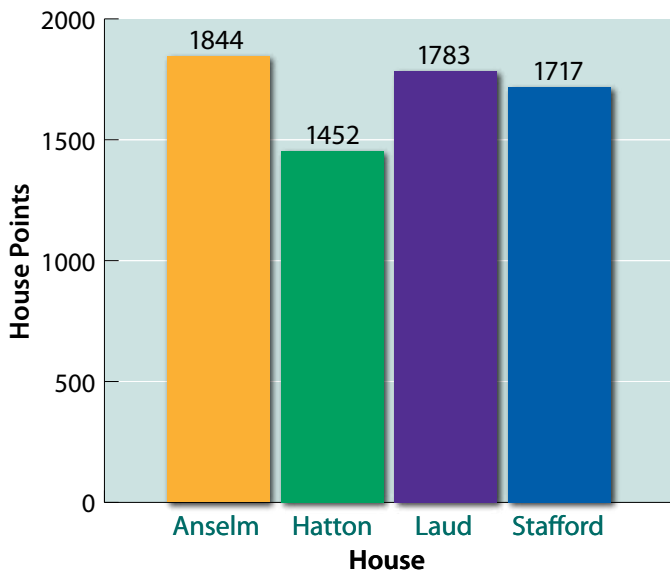
Fill in the numbers 1-9 exactly once in every row, column and region.

On top of that you need to use π exactly three times in every row, column and region to fill in the remaining gaps.



House News

It has been a busy half term for House activities and this has led to some exciting changes in the House point race. Its becoming a very close race indeed, with all still to play for as we head into the summer term.



House Gameshow

The Sixth Form House leaders organised the highly entertaining Inter-House Quiz last Friday. Students in Years 7 – 13, and staff represented their House with great skill and bravery, in front of a very tense and over excited audience! Questions were posed by the House Leader gameshow hosts, on science, riddles, the arts and general knowledge. It was a highly entertaining evening – well done to Laud who won overall!



House Netball

There was a great turn out for House Netball this week, with Years 9 and 10 competing on Monday and Year 7 and 8 on Wednesday.

Thank you to Amy who is in Year 12 (following the Sports Leaders Level 3 course), Lone in Year 12 (Senior PE prefect) and Grace (following the Sports Leaders Level 1 course), who helped with the umpiring. A special thank you also to Mrs Smith, Miss Rodwell, Miss Pringle and Mr Gough for organising the events.

It was great to see competitive and good quality netball played by the students and to see year groups working together on the same team.

Final placings were:

Year 9 and 10		Year 7 and 8	
1st	Stafford	1st	Laud
2nd	Anselm	2nd	Hatton
3rd	Hatton	3rd	Anselm
4th	Laud	4th	Stafford



Year 9 and 10 - Stafford



Year 9 and 10 - Anselm

House Netball *continued*



Year 9 and 10 - Hatton



Year 9 and 10 - Laud



Year 7 and 8 - Laud



Year 7 and 8 - Hatton



Year 7 and 8 - Anslam



Year 7 and 8 - Stafford

House Mile for Life Challenge

Year 7-9 students participated in this challenge to see how far they could run or swim during a PE lesson in early March.

There were some standout Year 7 performances in the pool: Sofia (Anselm), Bella (Hatton) Inaaya (Laud) and Shankavi (Stafford), plus Fatima (9Anselm) who ran the furthest!

It was close, and overall we calculated that the houses managed to run/swim around the M25 twice in total distance – that's 234 miles!

Well done to Anselm who won overall.

1st	Anselm
2nd	Hatton
3rd	Laud
4th	Stafford



Year 7 and 10 Geography News

Our Year 7 and Year 10 Geographers have been learning about sustainable development from our charity friends at Livingstone Tanzania Trust today.



Gold DofE Award: An Interview with Emily

In last week's bulletin, we celebrated the news that Emily (Year 13) is going to be awarded her GOLD DofE award. Here, she tells us what the award actually entailed:



I didn't do the Bronze or Silver awards (you don't have to), but decided to embark on the Gold DofE in September 2020.

Doing it during the pandemic was not without its challenges, and some activities had to be adapted, but overall it was a really worthwhile experience and one I'd definitely recommend.

There are five parts to the Gold Award: Residential, Physical, Skills, Volunteering and Expeditions.

Residential: The first part was a residential trip to the Peak District. This involved rock climbing, abseiling and navigational skills. The weather was dreadful and because of Covid restrictions we had to stay in tents rather than the usual, heated hostel. It was really hard; we had to cope with heavy rain and thick mud but it really helped those of us in the tent to bond (I didn't know anyone else on the trip but I ended up making some really good friends).

Physical/Expeditions: Last July, Kate (who is in Year 13 and is still doing her Gold DofE) and I went to the Lake District on a four-day climbing expedition. This time the weather was so hot it made conditions very challenging. Another expedition in August saw us battling heavy rain and winds – but we managed to keep going!

Skills: I had wanted to do Driving as a skill but lockdown made it too difficult, so I decided on the Cookery option because I thought learning to cook would be a useful skill when I went to university. I had to make a dish each week and then take a photo. My absolute favourite was a Thai vegetable curry.

Volunteering: I volunteered at my Dance School in New Addington for 12 months – choreographing a show and teaching for four hours every Saturday. I've been doing Dance since I was three years old, so I also took two dance exams over 18 months.

I finished on the 10th March and am now really looking forward to receiving my award at Buckingham Palace this summer.

Year 3: Scrumdiddlyumptious Wagamama Visit

On Wednesday this week, Year 3 visited Wagamama in Croydon to bring our Scrumdiddlyumptious topic to a very tasty close!

We were all very surprised to learn that Wagamama means naughty child in Japanese! Kasia, the manager and Jenny, also taught us some Japanese words like ramen, which means soup, yasai which means vegetables and kimchee which means seaweed. We tasted some of these too.

In the classroom this half term have been learning all about healthy food and our visit continued by looking at fresh fruits and vegetables which could be used to mix with apple juice to make a healthy juice drink. The girls could select three or four from a huge range to design their own juice.

One of the chefs called Abdul then asked some of the girls to weigh out the ingredients for a very popular dish called Yaki Soba. The girls were very accurate with their measuring skills as they were only allowed to be 2g over or 2g under! The girls were then treated to a cooking demonstration, and were amazed at how high the flames were.

The final treat was to have a portion of yasai yaki soba and Mrs Wallis and Mrs Bhatt were pleased to see that there were a lot of empty bowls!

'The noodles were super duper good!'
Safah

'I loved the fire show and measuring the yasai. I'm getting good with Japanese words.' **Aideen**

'I loved the noodles and the juice. The flame was amazing.' **Marina**



Year 8: IGN Food Tech and Nutrition Online Streamed Webinar

On the 16th March, a selection of students in Year 8 took part in a virtual Design and Technology, Food Tech and Nutrition careers webinar.

Students engaged virtually with some food industry representatives from Greggs bakery and the marketing firm Mondelez, who have worked on promotions for large companies such as Cadburys. The webinar offered an excellent insight into the broad range of possible careers in the Food Tech and Nutrition industry.

"It was very informative to listen to the experts who knew a lot about the food industry. This workshop helped me to understand more about this industry and

what types of jobs it offers. I was surprised when I found out that approximately 7.5% of jobs are in the food industry."

Jana, Year 8

"I personally would not have thought there would be so many jobs in one industry. For example, you could be an accountant or a packaging designer or a farmer producing the raw materials. It was also nice to see how much the professionals enjoyed their jobs and I hope I can find a job that I enjoy as much as them."

Ines, Year 8



Year 6: Young People Book Prize



Since September, pupils at Prep have enjoyed being involved in judging entries for the Young People Book Prize.

Year 4: Class Poem

Pupils in Year 4 have been working on this term's character development: Honesty

Here is their beautiful class poem:

Hearts which are
Open
Never cheat or lie
Encourage others to be
Sincere
Telling the truth
You and me together!



Year 3 & 4: Netball



A huge congratulations to our Year 3 and 4 girls who were both placed 2nd in the Royal Russell High 5 Netball tournament last week. Well done girls!

Maths Puzzle Fun

Add up all the numbers on the telephone dial, and then multiply that sum by every number on the telephone dial.

What do you get?



Answer on page 18

Staff v Sixth Form Maths Challenge

On Wednesday 16th March, a group of Sixth Formers went up against the Mathematics teachers in two rounds of the UKMT Senior Team Mathematics Challenge. The two rounds we did were group and shuttle. In the group round, we worked together as a team to solve two difficult questions, one was a geometric problem, and the other a problem-solving question. The shuttle is an extremely time-pressured round where we again worked in pairs; one pair has questions 1 and 3, whilst the other has questions 2 and 4.

Although question 1 can be solved independently of the others, the answer to each subsequent question is dependent on the answer to the



previous one. We completed two sets of the shuttle round so there was an overall of eight questions in this round.

The atmosphere in the room was tense as all of us were concentrating on the questions wanting to beat each other.



Sadly, even though we put up a good fight, the teachers won. However, it was a fun experience, and I would love to do it again.

Aparna, Year 12

Science Week: Year 9 - Flashes & Bangs

Our Year 9 groups were treated to a lecture-demonstration of some exciting chemical reactions, satisfying that oft heard request of, "Please can we make something explode"! Dramatic transformations of chemical energy into light, sound and heat made for some entertaining reactions and students were invited to apply their knowledge of Chemistry to try and explain what had happened. Here are some of their comments:

During science week, our chemistry teacher Mrs Mills, with the help of Mr Poole, demonstrated a series of experiments centred around the theme of growth. To link a very biological topic to chemistry, Mrs Mills themed the video around flashes and bangs - an experiment that elicits an explosive reaction will often create (or 'grow') a new substance!

My favourite experiment was fire in a bottle; my interest fuelled by a mix of interest in the science behind the fascinating reaction and a tad of internalized pyromania.



To set up the experiment, Mr Poole brought out a giant bottle containing a mix of air and alcohol, before sealing it with a stopper and shaking it around to allow the alcohol to vaporise. He then unsealed the bottle, poured the extra alcohol into a beaker to avoid creating too dangerous of a fire, and stood back a meter away from the bottle.

Then, the moment we were waiting for. He lit the end of a wooden splint, and held it to the neck of the bottle. Suddenly, a loud whoosh, and a mighty flame shot out of the top of the vessel before extinguishing itself, all in a mere five seconds.

I loved this experiment because of its shock factor and dangerous element - but it was, however, a harsh reminder to never let my parents leave wine on the kitchen windowsill again.

Lila

Thank you so much for taking the time to do the lesson on Thursday with us! My favourite experiment out of them all was the screaming jelly baby one because it was so unexpected but really beautiful to watch because of the colourful lights! It was obvious that there was also a lot of energy created because of how bright the light was and the smoke coming out of the test tube. I had no idea that the potassium chlorate could do that! Thank you for doing it twice, too!

Emily

I overall really enjoyed all the Pops and bangs experiments but the whoosh in a bottle was by far my favourite one. I especially enjoyed this one because it was interesting to see just how powerful the combustion reaction was and the huge amount of energy that was released by a small amount of fuel. Thank you to you and Mr Poole conducting such a fun and enjoyable lesson.

Shazia

My favourite flash and bang was the screaming jelly babies, I thought it was really interesting how the potassium chlorate V reacted with the sugars in the jelly babies to create the massive amounts of energy being released, and I thought it just looked fascinating! This being said, I also thought the Canon Fire, Dangerous Sugar, and Whoosh Bottle were also really riveting and fun to watch (and listen too!).

Beatrice

My favourite bang was the methane rocket because it was very exciting to see something that is usually used for space, to be used in a classroom. For the methane rocket, Mr Poole used a plastic bottle filled with methane and oxygen gas and the mixture was then ignited and the bottle shot into the air from a launch pad. This happened because the force that made the rocket shoot up, came from the expansion of the gases when they were heated by the energy from the reaction.

Kisa

Year 4: A Day by the River Wandle

Last week, as part of our topic 'Misty Mountains and Winding Rivers', Year 4 took part in a workshop investigating the Wandle River in Morden Hall Park, travelling from Lloyd Park by tram.

First, we learnt about the history of the house and its park, all funded by the production of snuff on the site in the 19th and early 20th centuries. The river was diverted to power the water mills needed to operate the machines that ground the tobacco.

Next, armed with metre rules and stop watches, we worked in groups to measure the depth of the river, the speed of the river's flow, its temperature and oxygen levels at two different sites. We also had to sketch the river and surrounding area.

Thanks to the amazing weather, we enjoyed a picnic lunch before spending the afternoon at both sites river dipping! Each group had to write a question to investigate e.g. do more invertebrates live in faster flowing water? During the afternoon, we found water louse, water mites, freshwater shrimp, a damselfly nymph and an uncased caddisfly larva.



Year 12: Maths Lecture

On Thursday 17th March, six Year 12 A-Level Mathematics students went to the Phoenix Theatre in London to watch 'Maths Inspiration', a national programme of interactive maths lecture shows for 15-17 year olds. The event was hosted by Matt Parker, whose second book 'Humble Pi' was the first ever maths book to be number 1 in The Sunday Times bestseller list. It also happens to be Mrs Stevens' favourite book!



The first speaker was Zoe Griffiths, who delivered a talk on 'Numbers in the News', discussing how statistics commonly misinform the public in the mass media. She introduced the topic with an infographic published by the Republican party during the 2016 US Presidential Election – it was essentially an extremely disproportionate bar chart, which grossly overestimated a 2% difference in popularity between Trump and Clinton. Griffiths explained how similar manipulation of statistical data was a significant contributor to how the public were misled by the media. Griffiths concluded the talk by discussing the extent that people can be influenced by statistics taken out of context and reminded us of the importance of being aware of this risk so that we are not misled by misinformation.

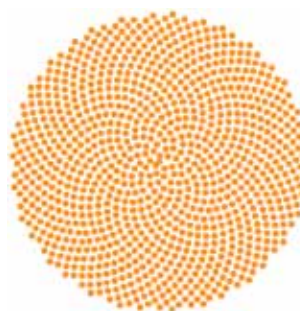
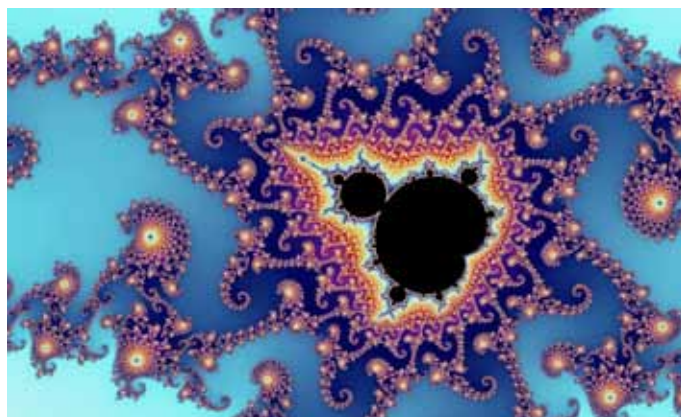
The next speaker was Tom Crawford, a Mathematics tutor at the University of Oxford. His lecture, 'Using Maths to Save the Planet', was about how we can clean the oceans using maths, which was particularly fascinating as climate change is a very current issue. Tom focused on pollution in rivers, the major source of pollution in oceans.

One of his main questions was "Where does river water go when it enters the ocean?". To tackle the issue of polluted oceans we first need to know where most of the pollution is concentrated. We learnt that a significant factor that impacts on where river water flows is the rotation of the earth, specifically the Coriolis force.

Tom showed us a video of one of his models (verified by various laboratory experiments and fieldwork) for river outflows in action. The model is used to show how river water flows in both hemispheres, the equator and demonstrates the effect of the Coriolis force. Models like this help in predicting which areas are most susceptible to pollution from rivers. This will help make clean-up operations as effective as possible.

The final speaker was Ben Sparks, a mathematician and musician. His lecture, entitled 'Windmills of Your Mind', taken from the song by Noel Harrison, was based on some of his favourite mathematical shapes. One of these was the Mandelbrot set.

This striking image was created by a computer visualising an equation involving complex numbers. Sparks also discussed the significance of irrational numbers, in terms of geometry, as he explained how the Golden Ratio and the Fibonacci sequence were crucial in nature.



For example, the seeds in a sunflower are arranged according to the Golden Angle (which is irrational, hence why no seed has a neighbouring one at the exact same angle from the centre). The irrational quality of the shape leads to the most effective distribution of sunflower seeds.

This trip was overall a fantastic experience – being able to learn more about Mathematics beyond the curriculum, whilst also gauging an idea of the breadth of the subject was extremely insightful. We are especially grateful to Mrs Inal and the Mathematics department for organising this trip.

Suraiya and Amy, Year 12

Year 3: Swimming

Year 3 had a great time attempting to make it all the way across the floating boards last week! There was some deliberation as to whether running or carefully walking would be best. Ellie chose to cautiously walk, while Marina opted to run as fast as she could.

The whole class recognised straight away that the mat colours were those of the Ukrainian flag, hence the lovely photo of the class surrounding the replicated flag.



Lana Year 2 Wins Swimming Trophy

Prep Swimming Squad member Lana, Year 2, recently competed in the Woodside and Thornton Heath Club Championships.



Lana won a smashing silver medal in her Freestyle event and was awarded a trophy for gaining the most amount of points of all those competing in the 6 to 8 year old category.

Well done Lana!

Swimming Championships



Over the last two months I have had a few Swimming competitions. They included the Croydon Borough Swimming Championships. I loved the atmosphere, the crowd always rising to their feet and cheering so loudly it hurt my ear drums. Lots of swimmers competed at this event.

Before this, I took part in an Octopus League. It is a competition where eight clubs compete against each other, all hoping to come first with lots of points. We (South Croydon Swimming Club) luckily came second! We had a great time cheering all our fellow team mates on. We have four more rounds of the league to find out the final overall results. I managed to score points for swimming the Butterfly events twice, getting the first place in both. I really enjoyed this opportunity to compete in the inter club competition.

Hiru, Year 4

Year 8: Swimming



After successfully completing their Old Palace Rookie course, the Year 8's were able to let their hair down and have some fun in the pool. They enthusiastically participated in some 'walking on water' or board running, as we call it. The photographs show runners in action attempting to get to the end of the four boards and achieve the best dismount.

The large floats were perfect colours of the Ukrainian National flag, symbolising sky and wheat. The swimmers thought about the fun they were still able to have at such a difficult time for the Ukrainian people.



Prep: Cookery Club

It was the last week for Cookery Club. The girls treated their parents to a tea party. They served lots of delicious treats they had learnt to cook over the course.



Public Speaking - LAMDA Results

I suspect that most of us would be pretty nervous at the idea of speaking in public. So how amazing are the 25 wonderful students who took the Public Speaking Exam in March.

There were 8 Merits, (70 percent and over) and 18 Distinctions (80 percent and over).

The requirements are that they make two speeches - one set by Lamda and one an 'Own Choice'. So there was a huge variety, and we had subjects ranging from "My Favourite Musician" and "Gaming" to Ethical and Contemporary issues.

In the higher grades, the students are given three subjects, and have to choose one which they prepare in 15 minutes, as well as the prepared speeches. Quite a challenge!

The following girls must be congratulated:

Grade 4:	Grade 5:	Grade 6	Grade 7	Grade 8
Shazia Jemima Isobel Mahnoor Fatima Dayna Safiya Theresa-Mae Maryam N Inaaya Tahlya	Mariya Shreya Grace Adjoa Ava Maryam	Maheli Saambavee	Sumaiya Dimanthi	Emily Idara Sophia Suraiya

Happy Easter Holidays everyone!

Mrs Redgrove

Dance Success



A couple of weeks ago, I won Junior Jazz Cup at my dance school. I've only been dancing for around a year, taking Jazz and Ballet, so I was surprised to have won an award for dancing so soon after beginning.

Jazz is one of my favourite styles as it is quite funky and different from all other styles. I am so honoured to have won, and look forward to working just as hard over the next year.

Ella, Year 8

The ChemSoc Science Week Quiz



The quiz proved to be a popular event with teams from Years 10 and 12, plus a staff team, competing.

Over six rounds of questions, the scores remained very close as the teams solved chemical anagrams and dingbats, identified famous chemists and applied their knowledge of the Periodic Table.

After the final round, we had a three-way tie between the staff - Ms Ford and Dr Knowles, and two Year 12 teams. The staff team finally claimed the victory in the tie break question, giving the closest value for the relative atomic mass of gold.

Congratulations to all for a great competition!

Year 9: Textiles Workshop

We designed some tote bags with different types of media; we could paint, apply puff paint, sew on a pattern, or use fabric pens. We all found the workshop engaging and a lovely way to express ourselves outside of lessons. Iqra

I really enjoyed the Textiles Workshops because it was so creative and enjoyable. It was also extremely therapeutic and peaceful to simply spend an hour designing, painting, drawing and more on our tote bags. One useful skill that I learnt was how to needle felt with a pin and the results were very cool! Emily

I really enjoyed the Textile Workshop. It was chilled, there was music on the radio and so it was all good vibes. I found it really relaxing, and we were given the chance to use completely new resources and try new methods as well, which I appreciated. Imaan

I really enjoyed making the tote bags as it was something I hadn't done before. It was fun trying out new things and I appreciate the effort you put into setting up this workshop. I enjoyed the experience and hope to get chances like this in the future. Mia

In this workshop we used many different mediums and materials to design and personalize our own tote bags. I enjoyed doing this very much and found it great fun. There was a range of things to use that were available to us and I really valued the experience. Mariya



Reception Makes Carrot and Orange Juice

Reception had a fantastic time making carrot and orange juice as part of our Are Carrots Orange? topic learning.

They enjoyed peeling and grating carrots and squeezing the juice out of oranges. However, their favourite part was watching the juice form together in a whizzy blender!

The girls thoroughly enjoyed drinking their refreshing, healthy juice at the end of the day.



Dayna Receives Jack Petchey Achievement Award



A huge congratulations to Dayna, Year 8, who has received the Jack Petchey Achievement Award. Dayna says: "I was ecstatic to receive a Jack Petchey Award. It was completely unexpected. We had a visitor from Girl Guiding who presented me with the award. I now have to decide on a special activity or outing to spend the money on."

Dayna, Year 8

ABRSM Music Exam Results

Name	Form	Instrument	Grade	Results
Afua Serwa	7H	Violin	2	Merit
Imaan	6J	Piano	2	Pass
Davinna	7A	Singing	1	Pass
Emily	12L	Violin	1	Pass
Theresa-Mae	8S	Singing	3	Merit
Theresa-Mae	8S	Piano	4	Pass
Elyse	6J	Singing	1	Merit
Jemima	8L	Singing	3	Merit
Amelia	9L	Piano	6	Merit
Arya	4J	Violin	1	Pass
Catherine	11L	Singing	6	Merit
Lila	9A	Saxophone	2	Merit
Anokhi Reddy	4J	Violin	1	Merit
Catherine	7H	Clarinet	5	Pass
Anjola	9L	Piano	5	Merit
Anjola	9L	Trumpet	5	Merit
Ria	12H	Singing	6	Distinction
Eleanor	3J	Piano	4	Merit
Olivia	9A	Trumpet	1	Pass
Lola-Marie	6J	Singing	1	Distinction
Chitleen	11A	Singing for Musical Theatre	7	Distinction
Sanjana	9H	Singing	5	Distinction

Maths Puzzle Fun page 10 Answer

Anything x 0 is 0

Final Answer: 0

The long way....

$$(9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 + 0) = 45$$

$$45 * 9 = 405$$

$$405 * 8 = 3240$$

$$3240 * 7 = 22680$$

$$22680 * 6 = 136080$$

$$136080 * 5 = 680400$$

$$680400 * 4 = 2721600$$

$$2721600 * 3 = 8164800$$

$$8164800 * 2 = 16329600$$

$$16329600 * 1 = 16329600$$

$$16329600 * 0 = 0$$

This Week in History... Poll Tax Protests

On March 31, 1990, hundreds of thousands of people across the UK took part in mass protests against a poll tax introduced by Margaret Thatcher's government. The tax was eventually abolished, but not before it helped force Thatcher's resignation as prime minister after 11 years in office.

