

Executive Principal's and Head of School's News

Drop Down Day

On Monday the school had a Drop Down Day. This was extremely well planned and led by Ms Miller who had organised a brilliant day delivering interactive session on careers, diversity in the work place, apprenticeships, skill strengths and The Charter.



International Women's Day - story inside

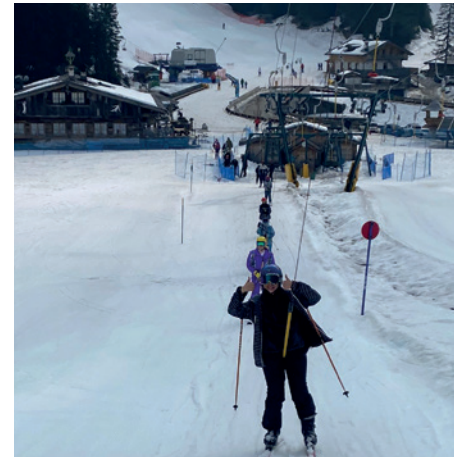


Year 12 School Council at Governors

It was really amazing to see and hear from the Year 12 student council this week. On Thursday we had our termly Governing Body meeting and Governors were able to meet with these students and hear what they are doing at the moment in their roles.

Ski Trip

Thank you to Ms McRill for leading the Ski trip to Italy which returned on Thursday. Students who went had a fabulous time and loads of snow which is always a relief!! A brilliant time was had by all and for some students it was particularly



amazing as it was their first time skiing and for some their first time abroad.

Thank you,
Mrs Ruth Holden,
Executive Principal

Mr Edward Rakshi,
Head of School

Sixth Form News

This week our year 13 students have been busy with the second week of their exams. It has been a very intense period with most students sitting at least two exams in each of their subjects. In year 12 news our Sixth Form Leadership Team have been working on the introduction of sixth form reading mentors. The purpose of this will be to support students in lower year groups with their reading. Their training will start next week, and we are hoping that this project will begin in time for the Easter Holidays. A big thank you to Ms Larkin and Ms Kelly for supporting this venture.

Women Stepping into Business Trip

As part of the IWD celebrations, 25 year 12 students went to this amazing event at the PWC offices in London. Aimed at supporting female students to get into the business world, the hosts of the event talked about the programmes on offer for students who want to work for PWC. Students also completed tasks on networking and interview skills. They enjoyed being part of the day and were inspired by all of the women they met.

JustGiving™

The last year has been extremely difficult for our students. As we come out of lockdown and our school begins to return to normal, there is an urgent need to give all our students the opportunity, not just to return to the classroom, but to have fun, to experience a trip somewhere, to feel the freedom of the seaside or a camping trip and to enrich their lives and undo the mental and emotional damage that lockdown will have caused. If you feel passionate about helping us to do this for our young people aged 11-18 - please donate to our JustGiving page - no matter how little or how much - you will make a difference to children's lives and we will acknowledge this. Please visit:

Donate at JustGiving

<https://www.justgiving.com/fundraising/mulberry-academy-shoreditch-fundraiser>



International Women's Day

On Wednesday 8th March 2023, the School Council celebrated International Women's Day with a series of activities and a fantastic presentation on inspirational women.



A group of Year 7 girls were invited along to a celebration at St Hilda's Community Centre. They joined in a philosophy session to think and discuss whether or not there should be an International Women's Day and students articulated their thoughts and ideas eloquently. There was also a talk from a local women's group about identity and a lovely dance performance.

The lunchtime activity involved pupils winning fun prizes if they could guess just one of the inspirational women on our board - prizes included mini lamps, shopping vouchers, notebooks, LCD writing tablets, puzzles, pens and stamps. The stall was very busy and we raised a respectable £33 in aid of a charity called ActionAid which works with women and girls around the world! We are also running a writing competition which ends on Monday 13th March 2023 where pupils are being encouraged to write a poem or short story on the theme of 'Woman'. There are four £10 Amazon vouchers up for grabs and a copy of Elena Favilli's 'Good Night Stories for Rebel Girls: 100 Tales of Extraordinary Women', so whether you're a budding writer or not - get writing! Entries can be handed into Ms Tarannum at the English office.



Inspirational Woman Spotlight - Rokeya Sakhawat Hossain



Rokeya Sakhawat Hossain was a social reformer and a pioneer in women's education in what is now known as Bangladesh during colonial rule. She is credited with writing one of the earliest science fiction stories written by a woman, 'Sultana's Dream', which anticipates modern technology such as solar power and widespread use of electricity. Identifying lack of education as one of the shackles placed upon women at the time, Hossain established a girls' school in 1911 and went from door to door asking families to send their daughters to school. Today, Hossain is regarded as a celebrated author, social worker and educator, and is commemorated through Rokeya Day in Bangladesh.



International Women's Day Wednesday 8th March 2023

EVENTS AND TRIPS
Y12 STEM guest lecture
Dr Ayesha Hussain, a mathematical climate modeller
Sixth Form trip to 'Women in Business' Event at the PWC offices
Y7 Girls event with local community centre St Hilda's

Celebrating the Contributions of Women in Lessons

- **Art:** Contemporary Female artists
- **Music:** Pioneering women in Music
- **Food Tech:** Local Female chefs in the Hospitality and Catering Industry
- **Science:** Renaming each lab after a female Scientist
- **Maths:** Embracing Equity in Maths
- **French:** Les femmes Françaises qui m'inspirent
- **Spanish:** Las mujeres que me inspiran
- **RE:** Gender equality and religious teachings
- **History:** Why is the study of women in history so important?
- **Geography:** Equality vs Equity
- **Business:** Women in Business
- **Economics:** Women in economics
- **Sociology:** The Impact of feminism on our lives
- **Law:** Female lawyers in the world of law
- **Psychology:** Female Psychologists and their influence in Psychology
- **Criminology:** Women in the Criminal Justice System
- **Health and Social Care:** Women in NHS Nursing
- **Politics:** Female political thinkers
- **PE:** A summary of women's highlights at the Athletics Championships
- **Computer Science and IT:** Women in Tech

For everyone...

Celebrating Women in Literature

Lunchtime in the Library

Student Council are raising money for women's charity 'Action Aid' with lunchtime quiz and lucky dip

Student Council creative writing competition on the theme of 'Woman'

#EmbraceEquity #IWD2023

Mulberry Academy Shoreditch

STEM CORNER

We were very fortunate to have Dr Ayesha Hussain in to talk to our STEM students. Dr Hussain is a mathematical climate modeller at the University of Exeter and the Met Office, having finished her PhD last year at the University of Bristol. After explaining her academic career to the students, the lecture was split into two parts. The first focused on problems in Number Theory, a branch of pure mathematics, that Ayesha worked on during her PhD. Students were asked to 'think link a mathematician' to solve university level maths questions (see below). The second focused on applied mathematics, namely climate modelling that Ayesha is now working on. Here, students considered how

photosynthesis can be maximized by examining the limiting factors. Our students were able to solve these problems - can you? What is the smallest 3 digit palindrome that is divisible by 18? What method did you use - could you find the smallest 6 digit palindrome? An emirp is a prime number that is a different prime backwards, e.g. 17, 13. What are all of the emirps less than 100? What method did you use - could you find all of them less than 1000?



On Wednesday, the Science Department celebrated women in Science as part of International Women's Day 2023. All 8 labs were renamed after different women who have made an impact on the scientific community.

Students enjoyed getting to learn a little bit more about women in STEM.

Art and photography online

An online exhibition featuring these students' lovely work will be available to view soon. Look out for further details.

Clockwise:
Maryam Osman,
Courtney Lee Murphy, Milana Cerniseva,
Rumaysa Khan,
Iqra Bintashraf,
Zaynab Ali Sultana



Year 12 students were exploring slab building techniques in ceramics during their lesson on Thursday

COMPETITION
Years 7-9 only
WHAT DO I HAVE TO DO? **MEMORISE π**
HOW DO I WIN? YOU HAVE TO MEMORISE TO THE MOST DECIMAL PLACES.
WHAT WILL I WIN? THERE WILL BE RUNNER UP PRIZES AND A GRAND PRIZE OF £50 AMAZON VOUCHER.
WHEN IS THE COMPETITION? **π**
PI DAY OF COURSE!
14TH MARCH 3.14
IN THE LIBRARY AT LUNCHTIME
HOW DO I ENTER? GIVE YOUR NAME TO MR CHU BEFORE WEDNESDAY 8TH MARCH.
SEE YOUR MATHS TEACHER FOR HELP MEMORISING AND GOOD LUCK!
3. 14159265358979323846264338327950288419
71693 9937510582097494459230781640628620
89986280348253421170679 ...

BRITISH SCIENCE WEEK
FRIDAY 10TH TO MONDAY 20TH MARCH 2023
SCIENCE WEEK
Look out for
Daily periodic table hunts
Explosive shows
Animal workshops
and more!
Mulberry Academy Shoreditch

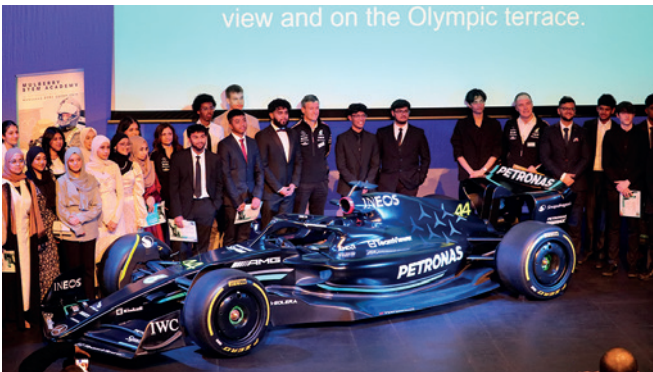
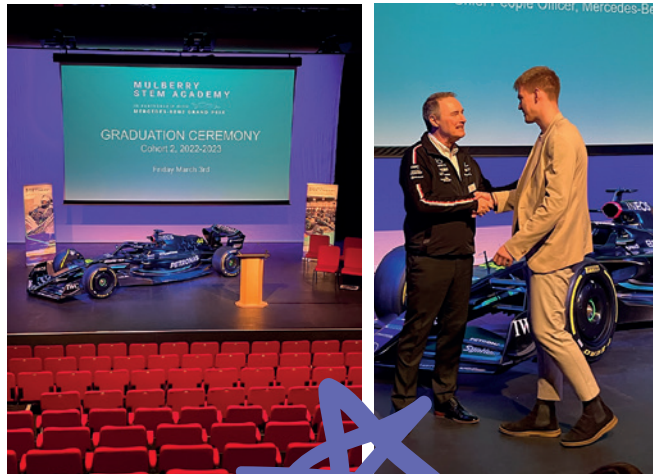
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WORD OF THE WEEK
Wow!
Reciprocal
DEFINITION
1. A reciprocal relationship is where two people (or groups of people) agree to help each other by behaving in the same way or by giving each other similar advantages.
2. A reciprocal is what to multiply a number by to get 1.
EXAMPLE
1. The UK and Australia have reciprocal health agreements so you will get emergency medical care if you travel there.
2. In maths, the reciprocal of 4 is $\frac{1}{4}$.
SYNONYMS
Mutual Give and Take Shared
ANTONYMS
Different Independent Unrelated
CHARACTERISTICS
Reciprocal comes from the Latin 'reciprocus' meaning returning. That might be why the reciprocal of a reciprocal takes you back to where you started!

MULBERRY STEM ACADEMY

IN PARTNERSHIP WITH  MERCEDES-BENZ GRAND PRIX

Graduation Event '23

On Friday afternoon our 2nd cohort of STEM Academy scholars attended a fantastic graduation ceremony at Mulberry UTC where they received certificates, awards and goody bags. There were messages from Sir Lewis Hamilton and Toto Wolff and awards were presented by Paul Mills and his team from Mercedes Grand Prix. Parents came along too and we were all so proud to see them awarded for their hard work over the year.



The next session for Year 9 DTP/ACWY vaccinations will take place on Tuesday 2nd May 2023

Please can you go on the link and complete the consent form for your child. If you do not consent can you please still complete the form

<https://london.schoolvaccination.uk/dtp/2021/towerhamlets>

RA

Call for entries

An exciting opportunity for students aged 4–19 to exhibit their artwork online and at the Royal Academy of Arts

Open for submissions
9 January – 29 March 2023

Find out more and enter
royalacademyofarts.org/youngartists
#rayoungartists

Young Artists' Summer Show

2023

Royal Academy of Arts

Made possible by Robin Hambro

We are looking for original art pieces made using your own photographs or created from observation. If you would like to know more, please see Miss King, Miss Gullick or Miss Kilmanaite. Deadline 28th of March.

MATHS PROBLEM OF THE WEEK

Did you manage to solve the maths problem this week?

The Pythagoras Patisseries sells triangular cakes at 39p each and square buns at 23p each. For her party, Helen spent exactly £5.12 on an assortment of these cakes and buns.

How many items in total did she buy?

ANSWER: 16 items

One cake and one bun cost a total of 62p. Note that $512 \div 62 = 8$ remainder 16 and note also that $16 = 39 - 23$. Hence $512 = 8(39 + 23) + 16 = 8(39 + 23) + 39 - 23 = 9 \times 39 + 7 \times 23$. As 39 and 23 do not have a common factor, other than 1, Helen must have bought 9 cakes and 7 buns.

★ Well done to this week's Problem of the Week winners, Akram Hussain, 7E and Aidhyn Nayak, 7E