



Sharples

SCHOOL

Newsletter

ISSUE 432
17th March 2023

Science Enrichment Newsletter

STEM Week

Thank you to all staff and students for a fabulous STEM Week! With a wide range of activities on offer, it was fantastic to see students having fun in STEM and learning great skills in science, technology, engineering and maths.

Maths Competitions



Our bubble photography competition allows students to experiment with the art of capturing bubbles in motion (as pictured left). Using a variety of techniques, including high-speed photography and the use of different types of bubbles, it is possible to produce some truly stunning and creative images. Our online maths escape room provides a fun and challenging way for students to test their problem-solving skills. With a range of puzzles and challenges to complete, students will have to use their maths skills to solve the clues and escape from the virtual room. There are also maths scavenger hunt and pi representation competitions to take part in. All competitions close on Monday 20th, so make sure to complete your entries, with prizes on offer!

STEM Carousel

Year 7 students completed a carousel activity that offered students the opportunity to participate in a range of exciting and educational activities.

The day was filled with a variety of exciting and educational activities that kept students engaged and learning. They participated in a thrilling space game with Mr. Capaldi, where an asteroid on a collision course with Earth had to be avoided. Two sensory experiments involving blindfolds challenged students to identify different food samples (pictured right) and objects without their



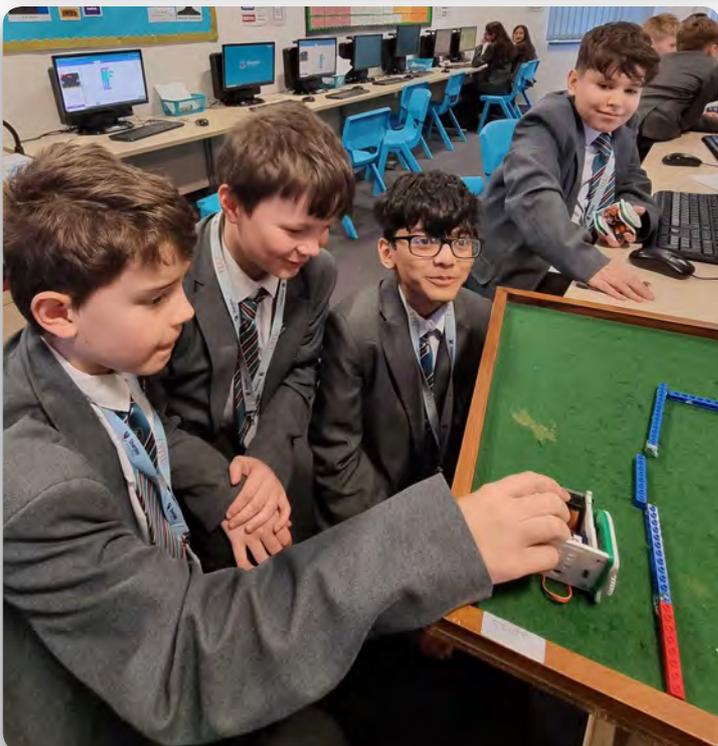
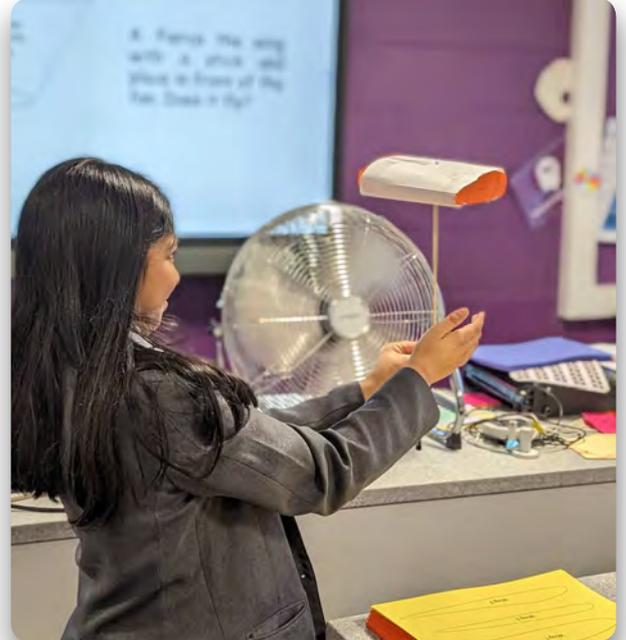


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sight, under the guidance of Miss Singleton.



In the forensics activity (above top left), students worked with fake blood (which looked more like strawberry milkshake!) with Miss Booth, measuring the size of blood drops to solve a mystery at the Sharples Animal Centre. Was it the Lion, the Grizzly bear, or the Capybara? Mr. Burke's session focused on how planes fly, and students were able to

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create their own wings and see the effect of lift (previous page top right).

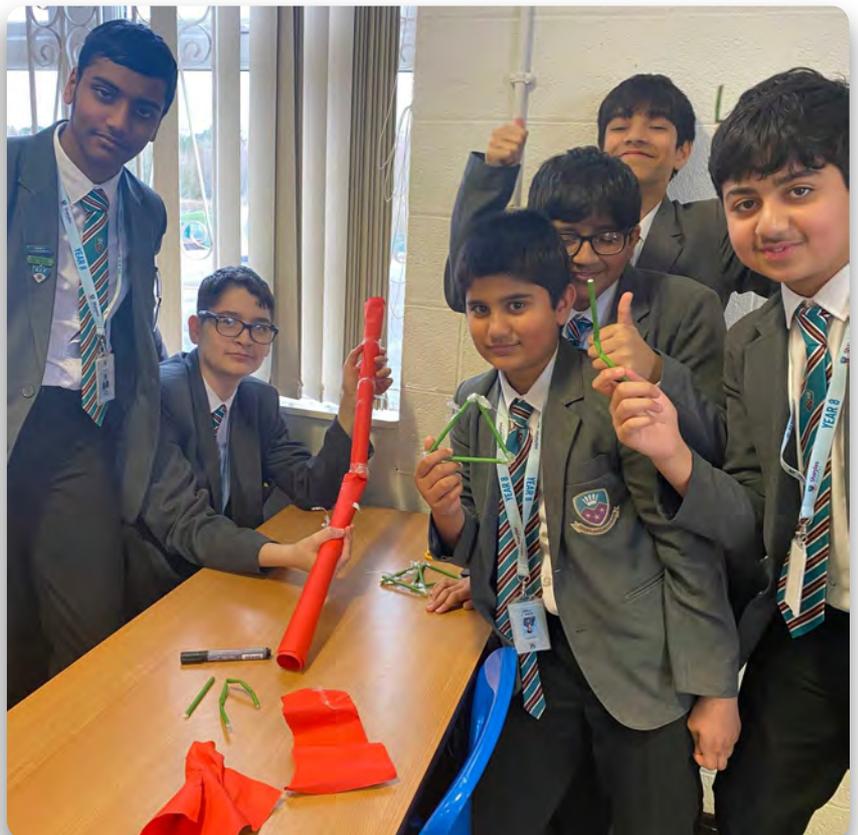
Mr. Haseeb's session involved coding for robots to complete various tasks (previous page bottom left), while Mr. Simpson and Mr. Awal taught the students about code-breaking before they put their newfound knowledge to the test by deciphering codes like spies.

Using sweets, Mr. McCann taught students how to build the structure of DNA (previous page bottom right), while Miss Melmoth demonstrated the power of static electricity with a Van der Graaff generator. Mr. Albrighton challenged students to find the best bubble solution, while Miss Glenholme led a fascinating dissection of eyes.

Bushtucker Trial

Our bushtucker trial was not for the faint-hearted! Students were challenged to try a range of unusual and exotic foods, including insects and other creepy crawlies. This activity encouraged our students to think about different food sources and to consider the environmental impact of their food choices.

PPMA Engineering Activities



This engineering activity saw students working in teams to build their own marble run.



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With a range of materials and resources available, students used their creativity and problem-solving skills to design and build their own unique structures (as pictured on the previous page). Students were then challenged to come up with a new invention and pitch it before their peers in just 50 seconds.

Animal Handling

Our animal handling session (see right) gave students the opportunity to get up close and personal with chickens. Miss Booth also showed how to handle our own resident animals, even witnessing our snake being fed. Students learned about the different characteristics and behaviours of these fascinating creatures, and were able to ask questions and explore their curiosities.

Science Projects

Finally, Year 9 science project saw students working in teams to decide on the best energy resources for their assigned location on an island. With a range of factors to consider, including environmental impact and sustainability, our students worked collaboratively to develop and present their ideas.

Science Escape Room

Year 9 students were recently treated to a thrilling science escape room experience led by Mr. McCann. Putting their scientific knowledge and problem-solving skills to the test, students were challenged to complete a series of tasks within a limited time frame. This engaging and interactive session provided a fun way for students to apply what they've learned in class to real-world scenarios.

Thank you to all the staff and students who made STEM week such a resounding success. It was inspiring to see so many students fully engaged in hands-on activities, learning and having fun in equal measure. We are proud of our teachers who put in so much effort to plan and deliver these amazing activities, and we are grateful to our students for their curiosity and enthusiasm. We hope that this week has sparked a lifelong love of science, technology, engineering, and mathematics, and we look forward to seeing the fruits of this labour in the years to come.

Mr. Fowlds - Science Enrichment Coordinator





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English Department's Stars of the Week

Work of the week

Year 7

Mariam P has written an excellent letter and has also improved her work. [Click here to view the work.](#)

Year 8

Marcus A has written a brilliant comparative paragraph on two sonnets. [Click here to view the work.](#)

Year 9

Evie S has shown excellent interpretations on a poem she has studied about refugees. [Click here to view the work.](#)

Year 11

Josh B has shown a brilliant style of writing on the poem As Imperceptibly as Grief. [Click here to view the work.](#)

Readers of the Week

Year 7

Aeesha B for wonderful reading in library lessons.

Year 8

Kulud S for her efforts reading and understanding Macbeth.

Year 9

Charlie C for his efforts reading and understanding the context of a poem.

Year 11

Autumn S for her critical reading of a short story.



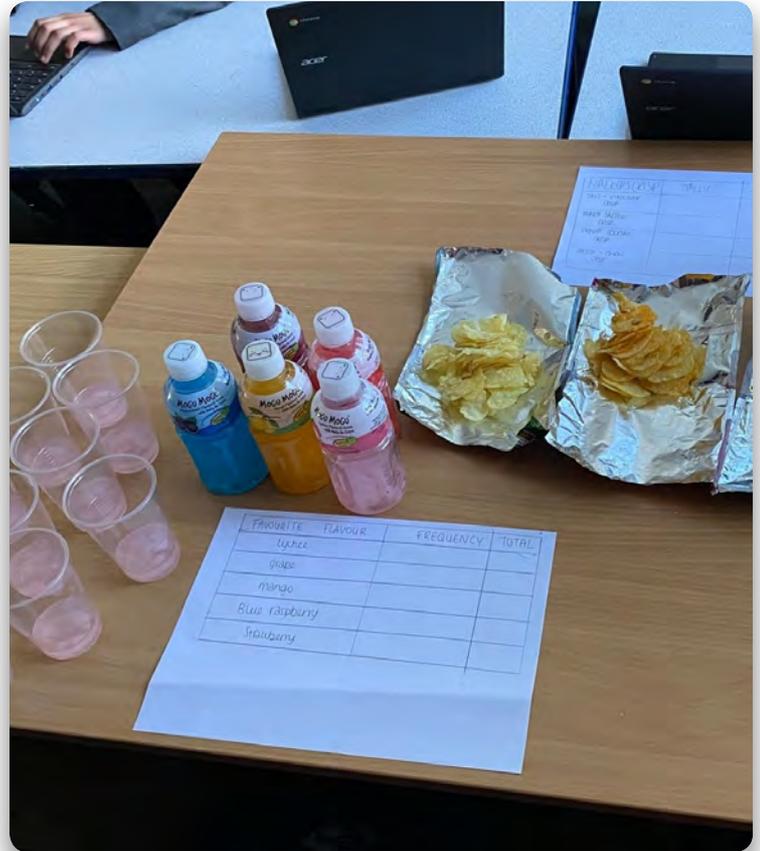
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Maths Department Update

Year 10 Statistics



The Year 10 Statistics students have been busy applying some of the skills they have learnt in lessons. This week they were taste testing some drinks and snacks to collect primary data for their new research projects.

Year 10 Maths Feast

Last week, eight Year 10 students took part in a North West Maths Feast competition testing problem-solving and teamwork skills. The students competed against students from other schools and one of the teams came 4th out of 28. Well done to all of the students who took part!

Year 7 Maths Club

Year 7 Maths Club (pictured on next page) was launched during STEM week, Miss Pearson and Mrs Hart will continue to run this on Thursday lunchtimes in U27.

In the first session, students applied their mathematical skills to make 'balloon powered cars', trying different approaches to see who could design the fastest car. Students and staff really enjoyed the session and it was great to see so many of our



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Year 7 students taking part, hopefully our engineers of the future! In next week's session students will try to make the best paper helicopter.

Year 7 students wanting to join Maths Club should see their maths teacher if they need an early lunch pass.

Times Tables Rockstars

Year 7 and 8 students have received their prizes (see next page) for this year's Times Tables Rockstars Battle of the Bands. The winning class in Year 7 was Mr Ryder's. In Year 8, Mrs Moosa's class topped the table. The students with the highest number of questions answered were Aaeesha B in Year 7 and Amelia G in Year 8. Well done to everyone who took part.



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Year 8 UKMT Club



Year 8 UKMT Club



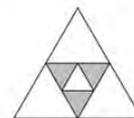
Do you enjoy solving problems that involve mathematical reasoning, precision of thought, and fluency in using mathematical techniques?

For example:

The diagram shows an equilateral triangle divided into four smaller equilateral triangles. One of these triangles has itself been divided into four smaller equilateral triangles.

What fraction of the area of the large triangle has been shaded?

- A $\frac{1}{8}$ B $\frac{3}{16}$ C $\frac{1}{4}$ D $\frac{5}{16}$ E $\frac{3}{8}$



If so, then the UKMT Club is for you!

When: Thursday lunchtimes.

Where: Room U30

For further information email Mr Ryder – s.ryder@sharplesschool.co.uk

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Attendance Information

Reporting an absence:

If your child is too ill to attend school, please contact the school before 9.30am with full details of your child's illness/symptoms. The attendance email is the easiest way to contact school as the phone line can get very busy.

The school attendance email is: attendance@sharplesschool.co.uk

If we are unable to make contact and you do not provide a reason for your child's absence, this absence will be recorded as unauthorised.

Attendance Data

Year Groups attendance this week:

Year 7 = 94.74%

Year 8 = 92.95%

Year 9 = 96.64%

Year 10 = 96.82%

Year 11 = 91.91%

Best forms this week:

7Shar1 = 98.86%

8R = 97.78%

9S1 = 99.32%

10P1 = 100%

11R = 96.99%

140 pupils have achieved 100% this academic year

Dates for your Diary

Saturday 18th March: DofE Bronze Training walk (1/2 day)

Monday 20th to Friday 24th March: Year 11 GCSE Art exam

Monday 20th to Friday 31st March: Year 7 & Year 8 whole school exams

Tuesday 21st March: Year 11 Parents' evening (16:00 – 19:00)



PE After School Clubs - This Half Term

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
KS3 Swimming	Yr 10 Football v MSJ (h)	Yr 8 Football v MSJ (a)	Yr 9 Football v MSJ (h)	Rugby Club run by Wigan Warriors
KS4 Netball practice	Y7 Netball Tournament @ Bolton School	KS3 Swimming	Yr 11 Football v Canon Slade (a) Bolton Cup	
KS4 Girls fitness suite	KS3 Netball practice	Running club- all years	KS3 & KS4 football @ Bolton School B/C	
Yr Football v Canon Slade (a)	Primary Tournament	Basketball- all years PGR	Primary tournament 4-5pm	

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Sharple's School Iftaar Celebration 2023

Year 9 Only

*A celebration for muslims
and non-muslims alike.*

مرحبا بالسلام عليكم

Monday 27th March

*AT 6:30, staff and student talk
followed by prayers.*

AT 7:45, traditional food is served.

*Come down to Sharple's to
celebrate Ramadan
as one community.*

