



STEM HUB NEWSLETTER

A STUDENT NEWSLETTER AT DRAYTON MANOR HIGH SCHOOL



draytonmanor.wixsite.com/stem

Spring Term Edition 2024

WELCOME TO THE STEM HUB NEWSLETTER

Hello, and welcome to the Drayton Manor High School STEM Newsletter. This newsletter will focus on STEM (Science, Technology, Engineering and Maths) news and activities that have taken place this term. Opportunities, upcoming competitions, as well as a STEM Hub leaderboard summary will also feature in this issue.

Our primary aim at the STEM Hub is to encourage countless students to develop an interest in Science, Technology, Engineering and Mathematics. To boost STEM involvement, our team is running quizzes and competitions for you to engage with.

To find out more, please visit the STEM Hub website:

<https://draytonmanor.wixsite.com/stem>

STEM Hub Competitions

Throughout the term, the STEM Hub have organized a multitude of engaging competitions and quizzes for students. These competitions are an opportunity for students to test their knowledge and understanding. The Stem Hub were thrilled to see the amount of involvement and enthusiasm from students.

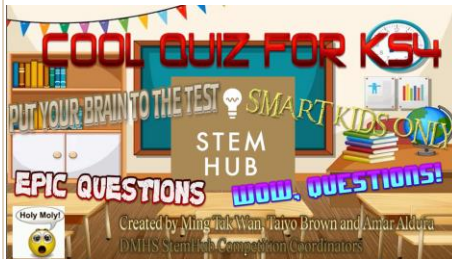
Here is a recap of some of the competitions that have taken place so far!

STEM Hub KS4 competition

Our KS4 competition required students to participate in a STEM quiz, earning points as they played. At the end of each quiz, students were given a task to complete and extra time was awarded based on the number of points the students had earned.

Congratulations to:

1st place Vishvendran Balakrishnan (10L)



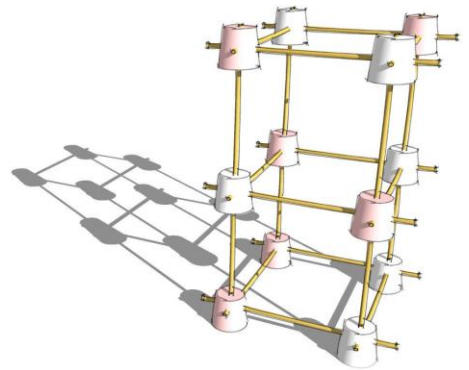
STEM Hub KS5 Competition

Our KS5 competition consisted of a maths challenge where students used the digits 2,0,2 and 4 to achieve digits 0-100 on a spreadsheet file using a range of allowed operators/formulas. Congratulations to **Alexander Braun (12.8)**, our 1st place winner, attaining a total of 247 points out of 315 points.

The STEM Hub would like to thank everyone who has taken part!

STEM Hub KS3 Competition

In contrast to our KS4 and KS5 competitions, our KS3 competition will require more endurance. Participants will build structures made from spaghetti and marshmallow and the strength of these structures will be put to the test! Details on this event will be posted on the website closer to the event date.



STEM Hub Points

TOP YEAR GROUP:

Year 13: **(313 Points)**

TOP TUTOR GROUP:

8F: **(136 Points)**

TOP KEY STAGE:

KS5: **(483 points)**

STEM Hub House Leaderboard

1st: Caladrius (393)



2nd: Pegasus (340)



3rd: Griffin (227)



4th: Phoenix (214)



<https://draytonmanor.wixsite.com/stem/lead>

Spring Term Edition 2024

Female Lead Lecture

Last week, Year 12 students made a trip to South Kensington where they attended a Lecture hosted by the Female Lead in collaboration with GCHQ-the UK's intelligence, security and cyber agency. The event featured speakers from various companies including Google, Electronic Active and others. These speakers shared their personal experiences across different industries and discussed the career trajectories they pursued. The event centred around women in STEM. It also provided the students with networking opportunities to network and valuable insights into certain fields.

Green Stem Challenge

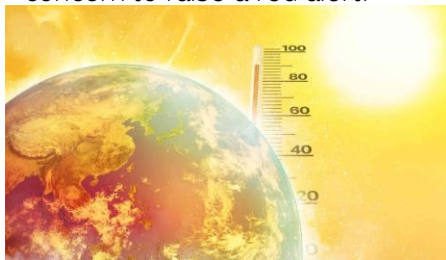
In December, a few Year 12 students attended the Launch event for the Green Stem Challenge where they met with pupils from various schools including Dormers Well High school, Greenford High School, Ellen Wilkinson High School and others. As part of the challenge, students will work in cooperative groups to find solutions to the energy and climate crises with the aid of Doctoral research scientists From Imperial College. Students will display their work at the Natural History Museum at the final session in March.

STEM NEWS

What are Heatwaves?

I am sure we've all noticed the increasingly hot weather since the beginning of June. This is to be expected in the summer months, however, which temperatures would we exactly call 'normal' for any given here in the UK?

The Met Office - which is the UK's national weather service - has issued many warnings, due to higher expected temperatures. These days have been variable in temperature, however none have been a serious enough cause for concern to raise a red alert.



The rest of this article can be read on the blog section of the STEM

hub website: <https://draytonmanor.wixsite.com/stem/blog>

Get Involved

If there's a topic you're particularly interested in, why not research it and send through an article of your own for publication on the STEM Hub website? Doing so will not only enhance your research and scientific writing skills but will also net your year group and house 20 points on our leaderboard!

Further details on how to go about doing this can be found on our website.

Opportunities

The STEM Hub website has an opportunities section for students in KS3, KS4 and KS5. These opportunities are sourced from a variety of world-class universities and STEM-centred organisations. We strongly encourage everyone interested in STEM or who would like to expand their network of professionals to avail themselves of these opportunities.

We hope you have enjoyed the STEM Hub Newsletter. Thank you very much to our STEM Hub team:

Ahmed 13.5 – STEM Hub Manager

Lara 12.5 – Newsletter Author

Nourdin 12.7 – Quiz Author

Ruby 12.3 – Quiz Author

Miski 13.7 – Quiz Author

Taiyo 12.3 – Competitions Coordinator

Ming Tak 12.7 – Competitions Coordinator

Amar 12.3 – Competitions Coordinator

Tasneen 12.2 – Marketing

Hanan 12.5 – Marketing

Laily 12.6 – Blog Author

Benjamin 13.6 – Website Manager

Salma 12.8 – Opportunities Coordinator

