



STEM HUB NEWSLETTER

A STUDENT NEWSLETTER AT DRAYTON MANOR HIGH SCHOOL

Spring Term Edition

draytonmanor.wixsite.com/stem

WELCOME TO THE STEM HUB NEWSLETTER

Hello, and welcome to the second Drayton Manor High School STEM Newsletter. This newsletter will focus on STEM (Science, Technology, Engineering and Maths) activities and news which have occurred during this school term. It will also contain information about the winners of our STEM competition, as well as the key stage, year group, and tutor group that have accumulated the most points on the STEM Leaderboard.

The STEM Hub Team organises competitions and quizzes for students at school, as well as opportunities to increase STEM participation. The STEM Hub's goal is to get as many students as possible involved in Science, Technology, Engineering, and Mathematics. For more information visit the STEM Hub website:

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

Make sure to visit our STEM website for more STEM-related news, articles, competitions, opportunities and ways to gain points for your year group and house. You can also write STEM articles and send them to us for publishing on the website. Doing so will earn 20 points for your year group and house on our leaderboard. Keep a look out for new STEM news, articles and much more in the summer term.

STEM Hub KS3 competition

The STEM Hub KS3 competition challenged KS3 students to use their creative and analytical skills to build a bridge that can hold the greatest possible weight without breaking and without the weight falling over.

STEM Hub KS3 Competition Winners

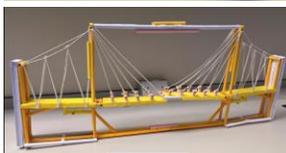
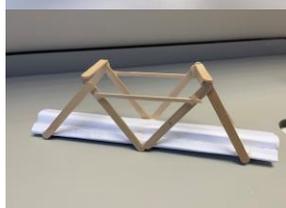
1st Place: Theron (7E), Futura (7E) and Amazia (7E)

2nd Place: Aneurin (7F)

3rd Place: Jiad (9L)

Most detailed and creative piece: Zakariya (8J)

Below are images of the winners:



We were really impressed with every entry received; in particular, we found Zakariya's drawbridge particularly creative. Well done all!

Women in STEM club

The Women in STEM club is a KS3 club dedicated to encouraging young girls to pursue careers in science, technology, engineering, and mathematics (STEM). You will be able to participate in a variety of experiments and activities and you'll receive a Woman in STEM badge at the end! Sign up as soon as possible because space is limited and registration is on a first-come, first-served basis. The club will be running on Thursday after school. To sign up you can fill the form below: <https://forms.office.com/r/6p5fM5p9eh>

STEM Hub Points

TOP YEAR GROUP:

Year 13: (459 Points)

TOP TUTOR GROUP:

8E: (87 Points)

TOP KEY STAGE:

KS5: (883 points)

STEM Hub Houses Leaderboard

1st: Caladrius (415)



2nd: Griffin (260)



3rd: Pegasus (237)



4th: Phoenix (232)



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





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Wall of Fame

The new Wall of Fame page on the STEM Hub website shows the fantastic work that students at Drayton Manor High School have submitted and shared with us. Students can submit any work they have done related to STEM for it to be displayed on our website. You can visit the Wall of Fame here:

<https://draytonmanor.wixsite.com/stem/wall-of-fame>

Two standouts currently on the Wall of Fame are:

1) STEM Summer Competition 2021 - Tamara 8E

2) STEM At Home - Kuba 13.8

Tamara made a presentation on the effect that the number of those vaccinated has on the spread of a disease. Kuba created an experiment tutorial video guiding the viewer through a simple experiment which can be done at home to determine the speed of sound. You can access these two intriguing pieces of work as well as much more on the STEM Hub Wall of Fame.

Wall of Fame

Here you can see the fantastic work that students at Drayton Manor High School have submitted and shared with us!

Click your item with us!



STEM Summer Competition 2021 - Women - Hironora 8E | STEM Summer Competition 2021 - Quantities 8E | STEM Summer Competition 2021 - Tamara 8E



STEM At Home - Kuba 13.8 | Scientific Enquiry Plan - Hironora and Kuba | Unboxing Bose - Muhammed and Rathurshan

STEM News

Meta (formerly known as Facebook) have allowed parents to limit their teenager's virtual-reality exploration. New tools will allow parents to prevent teenagers accessing inappropriate games and experiences via Meta's virtual reality (VR) headset.

After questions were raised about whether it was doing enough to protect children from inappropriate content, Meta rolled out further parental controls, the plans for which they revealed last year. These changes come as the UK government legislates to protect children online.

"Providing age-appropriate and safe experiences for teens while also allowing them to explore in VR is a balancing act" - Oculus, the Meta-owned company that makes the Quest (a virtual reality headset).

Now, Oculus is introducing tools to:

- Allow parents to lock certain apps directly from VR to stop teenagers accessing them
- Block teenagers from downloading or purchasing inappropriate apps in the Quest Store
- Release a parent dashboard, accessible from the Oculus app, which allows parents to observe their child's account



Drayton Manor Screen Time Research

This term, we're proud to unveil research undertaken in 2021 by the Digital Ambassadors into screen time usage across Drayton Manor High School. The responses to their survey have revealed significant trends which we hope will aid all members of our school community in managing their digital lifestyle. Our reliance on such general-purpose devices because of their utility is highlighted, with mobile phones being the most common kind of technology and desktop computers being the second most popular choice. You can view the Digital Ambassadors' leaflet on the STEM Hub Wall of Fame [here](#).

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

Kuba 13.8 - STEM Hub Creator

Neil 12.1 - STEM Hub Manager

Amar 13.7 - Newsletter Author

Muhammad 13.8 - Leaderboard and Systems Coordinator

Beth 12.3 - Quiz Author

Thaleise 12.8 - Marketing

Tiyonne 12.8 - Competitions Coordinator

Zahra 12.6 - Blog Author and Coordinator

Rathurshan 13.3 - Blog Author and Coordinator

Dilvir 12.8 - Opportunities Coordinator

