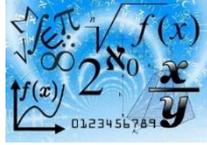




**QUEENS' SCHOOL**  
*Dare to be Mathematical*



## MATHEMATICS DEPARTMENT NEWS



### Year 10 Maths Trip to the University of Hertfordshire

On Monday 16<sup>th</sup> December some Year 10 students were invited to attend the Maths Enrichment day at the university of Hertfordshire. The aim of the day was to explore maths beyond GCSE.

It was a fun filled packed day.

Students listened to a short talk about exploring maths, post-16 pathways and opportunities.

They were involved in a variety of activities working on unusual maths problems and learning about new areas of maths such as:

1. An investigation on calculators- working out degree, minutes and seconds tool on the calculator (sexagesimal) used commonly in geographic coordinate system. This was a wow!! moment for the students as they would have normally calculated this manually and were surprised how this tool allowed them to calculate DMS so quickly and efficiently.

2. A workshop on mathematical braiding- a university style mathematics looking at structures and patterns and linking this to algebra and 2D shapes and patterns.

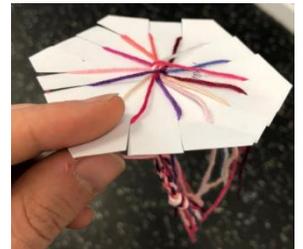
Students thoroughly enjoyed this and couldn't put the braiding down.

Each student took home a colourful braid with skills on how to make braids with different number of wool strands.



3. Playing video games in 3 and 4 dimensions - A talk by a highly inspiring Mathematician Matt Scroggs on maths applied to video games, including calculating the shortest route to complete a level of Pac-Man in 3D and 4D surfaces.

Matt Scroggs is a Postdoctoral Research Fellow at University College London. You can listen to his talk here <https://www.youtube.com/watch?v=vaW6kFFsRBs>



Students had the opportunity to play games he has designed and speak to him about mathematical problems.

Here you can try out Mr Scroggs Maths Puzzle advent calendar.

<https://www.mscroggs.co.uk/>

4. Students also got the opportunity to meet students from other schools and worked with solve challenging Maths problems and compete against other teams.



**QUEENS' SCHOOL**  
*Dare to be Great*

**Daring to be Great by pursuing our values of Scholarship, Tenacity, Altruism and Respect**



# Sparx Maths

## Sparx Maths

### Student Login

You're logging in to Sparx at Queens' School.  
[Not your school?](#)

Log in to Sparx using Google 

or

Use your Sparx login

Username:

Password:

[Show](#)

Problems logging on to SPARX...?

You can now Log on using your school email and password!

If you continue to have issues speak to your teacher or email:

[rahemaza@queens.herts.sch.uk](mailto:rahemaza@queens.herts.sch.uk)

## KS3 Maths Homework Club

Need Help with Homework or Classwork?

**WHEN?**

Every Tuesday

3:00pm – 4:00pm



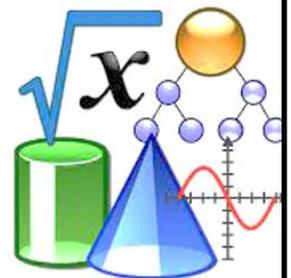
**WHERE?**

Room 53

(Miss Patel)



Come along even if you need help  
to log on to **SPARX**



QUEENS' SCHOOL  
Dare to be Great

Daring to be *Great* by pursuing our values of Scholarship, Tenacity, Altruism and Respect



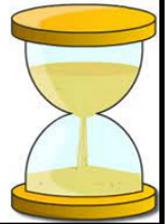
# GCSE Maths Revision Club



Maths support for all Year 11 students

**Where:** Room 50 (Mrs Hussein's room)

**When:** Every Thursday from 3:00pm – 4:00pm



Help with content covered in lesson, Sparx maths or general revision



QUEENS' SCHOOL  
Dare to be Great

Daring to be *Great* by pursuing our values of Scholarship, Tenacity, Altruism and Respect

