



MAT 2017-2018/MaTh 2017-2018

At King Henry VIII we identify MAT learners as:

"Children and young people with one or more abilities developed to a level significantly ahead of their peers, or with the potential to develop those abilities and to achieve at the highest levels through challenging learning opportunities and an enriched curriculum"

Below is a sample of the range of activities, trips and competitions in which our MAT students took part over the last year.

Year 8 took part in a **Lego mind storm robotics competition**, where they came second against many other schools. Year 8 students also took part in a **Faraday STEM challenge** in Caldicot, where the girls team also came in second. Twelve students in Year 9 took part in the **Brilliant Club**, where they were educated by a PhD student and graduated from Cardiff University in a mock ceremony.

In January, **Aberystwyth University** brought six lecturers from a range of departments such as; International Law, Robotics, History and Psychology to inform Year 10 students about future career paths.



Year 11 and Sixth form students visited **Jesus and Oriel Colleges at Oxford University** to see what Oxford has to offer and how students make excellent progress at one of the worlds leading universities.

They have also taken part in a range of workshops with the Seren network.



Eight Year 12 students took part in the prestigious **Engineering Education Scheme Wales (EESW)**, which is a **STEM** based initiative backed by the Welsh Assembly Government and other Professional Organisations. The students worked alongside an experienced engineer from the Associated British Ports Group. They were given a 'real life' engineering problem to solve and in the photograph you can see them presenting their final design proposal to a group of judges at Parc Y Scarlets in Llanelli. Da lawn!



Science, Technology, Engineering and Maths

Last term thirty Year 8 students had the opportunity to take part in the **Eden Centre Coding Challenge**, developing their skills in coding, engineering and team work. After a tough but enjoyable morning a team of six were selected to attend the county finals. The team consisted of six girls; Lucy, Alice, Evangeline, Bethan, Emily and Daisy. The girls performed extremely well and finished runners up, with the judges commenting on their ability to work as a team adapting to all the challenges given. Well done girls!!

