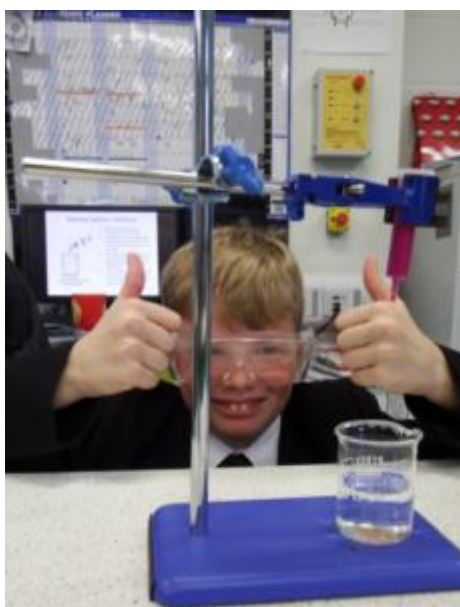


STEM week at DHS

In aid of British Science week, Durrington High School had its very own STEM week (Science, Technology, Engineering, and Maths) during 12th-16th March. Throughout the week students took part in various workshops, competitions and some creative STEM based lessons in all subject areas. This was all in aid of raising the profile of STEM, inspiring key stage 3 students to continue studying STEM subjects, discover career opportunities and identify the steps needed to reach their aspirations.



To kick off the week 50 students went to the STEM Big Bang Fair in Bognor. Students were treated to a presentation with liquid nitrogen, demonstrations using virtual reality headsets and looked at aerodynamics in cars using wind tunnels.

On Monday The Medical Mavericks came in to P.E to run Sports Science workshops with students throughout the day. The students had to 'Challenge the Champions' doing various activities.

The 10 challenges were:

1. Ball Throwing Speed
2. Watt Bike Power Test
3. 10m Sprint time – Upgrade option to the Accelerator
4. BATAK Reaction Wall
5. Jump Height Challenge
6. Standing Jump Challenge
7. Whole Body Strength
8. Hand Grip Strength
9. Hexagon Agility Test
10. 30' second Rowing Challenge

In science throughout the week year 8 students were learning how to make bee houses to raise the awareness of the declining population of bees and their

importance in the environment. They also learnt how water filters could be a life changing innovation in countries where clean water is not readily available.



Year 7 students learnt about life on the ISS (International space station) and had to make space suits as well as an engineering challenge to build a winch using wind power.

Year 9 students learnt how science is used at the cutting edge of gastronomy and how bioplastics could be a solution to world's plastic problem.

In maths students were asked to use their maths skills to develop their problem solving and investigative skills. This helped students understand the importance of maths outside a school environment.

In geography students were looking at the importance of scientific innovation in areas where water needs to be cleaned.

French and Spanish students enjoyed learning the vocabulary of the body and the solar system.

In English student learnt about the forensic science profession and the global plastic problem.

Jonathan Hare from the University of Sussex ran nanoscience workshops in years 8 and 9. Every student taking part was able to build and take home their own C60 *Buckminsterfullerene*.

On Thursday 15th March Durrington High School had its very own STEM Fair. It gave students an opportunity to speak to parents, and discuss what they have been working on during that week. There was also a display from our STEM club who are currently building an electric car in association with the Greenpower project. The students are looking forward to hopefully racing their car at Goodwood racecourse in June.