

# Wath Academy Careers Corner



Issue 6

Science Spectacular

Welcome to Careers Corner!



@Wath\_Careers

Welcome to **this special** edition of Careers Corner -

## Science in Action!

At Wath Academy the Science Faculty deliver engaging, informative, and fun-packed lessons, using every opportunity to highlight the importance of this subject to the world of work. Despite a global pandemic, our students have continued to benefit from a jam-packed itinerary. Here are just a few of the exciting activities that our students have taken part in this year...



## THE GATSBY BENCHMARKS GOOD CAREER GUIDANCE

“The UK needs more scientists, engineers and technicians if our knowledge economy is to flourish, and practical science shows students at first hand how scientists and technicians work. It engages students to follow science further, on academic or technical routes. It gives them practical skills and attitudes that will be valuable in their future careers”.

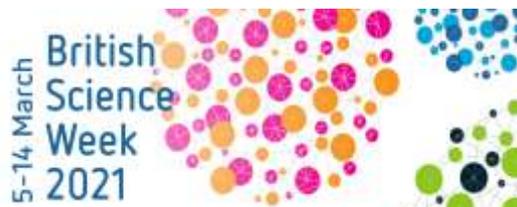
<https://www.gatsby.org.uk/education/programmes/support-for-practical-science-in-schools>

In September 2017, the Good Practical Science initiative, developed by Sir John Holman, was launched. This report gives an additional framework for teaching and promoting science in schools. Ten science benchmarks can be used to ensure the practical science offer for students is of the highest quality possible.

At Wath Academy, STEM learning and careers are also promoted, through events such as Get up to Speed with STEM and extra-curricular clubs such as our STEM Club, which was even offered virtually through the lockdown.



KS3 STEM Club: During this half-term, STEM club students have witnessed the spectacle of elephant toothpaste and have learnt the science behind this student favourite practical. They also took part in a movie music extravaganza where students discovered the neurological science behind our favourite movie music tunes. By undertaking their own research, they learnt why music can make us feel us so many different emotions from pure happiness to terror. They will never listen to movie music the same again!



In the week beginning Monday 8<sup>th</sup> March, Wath Academy celebrated British Science week and the theme of ‘Innovating for the future’. Students had opportunities to enter competitions, listen to daily podcasts and challenges, with a focus on STEM careers that were ‘smashing stereotypes’. A range of activities in lessons were delivered across school, all linking to Science and STEM. One example was a live link to CERN, Switzerland:

In Science Week we were lucky enough to link live with CERN, Switzerland for an introductory talk on CERN and the big physics questions they are addressing.

Ben White, Y12 physics:

“It was excellent – an hour of useful information presented by an expert from CERN. During the talk, I learned plenty about CERN, the work they do, the layout of the accelerators, and even how they do it, especially how they use electromagnets to accelerate and direct particles. We were able to ask questions at the end which was appreciated, such as the unbelievable energy costs involved in running the magnets (in the order of hundreds of millions of pounds!). Overall, a brilliant experience that left me with lots of new knowledge about cutting edge scientific work, together with the delicate engineering that goes into making a particle accelerator. “

**Live presentations from Sheffield Hallam University:** over 320 students experienced live presentations from SHU during British Science Week. This was a fabulous opportunity to engage with senior lecturers in various Science and STEM fields. The presentations were ‘Design the Ultimate Frisbee’, ‘Construction Career Talk’, ‘Heal or no Heal?’ and ‘Super Scientist’.



For British Science Week KS3 were challenged to design a lab coat illustrating what science means to them. Their fantastic ideas involved celebrating our wonderful NHS with their trade-mark rainbow print and new solar systems oozing with exciting, innovative planets. Jessica Kurti, Alexis Dale, and Molly Harper designed particularly impressive lab coats. Well done girls!



Activities that have taken place with Wath Academy’s Science Faculty...



### Quote of the Month...

“Everything is theoretically impossible, until it is done.”

Robert A Heinlein

*‘Meliora Spectare’ – ‘Look to Better Things’*