

SCIENCE DEPARTMENT

In GCSE Science 2019, 89% of students achieved a grade 9-4 in Combined Science, with 21% of the cohort attaining a grade 9-7. Triple Award Science is also offered as a GCSE option for higher attaining students and it has maintained a very high success record over previous years. In 2019, 100% of students achieved a grade 9-4 across all three Sciences as well as a high number of grade 9-7's; 78% in Biology, 72% in Chemistry and 71% in Physics.

Wellington School's Science Department is staffed by 13 Science teachers who are supported by 3 Science Technicians. The Department is based in 10 suited laboratories and 2 classrooms. All laboratories have Promethean Interactive Whiteboards.

The aim of Key Stage 3 is to develop students into scientists. An emphasis is placed on practical work and the skills needed to plan, carry out and evaluate investigations. Alongside this, scientific knowledge and concepts are covered to develop inquisitive, resourceful and committed learners.

Around 25% of students opt to do the separate Sciences in Year 10 & 11. The remaining students follow the Edexcel GCSE Combined Science.

The Department offers A-Level courses in Biology, Chemistry and Physics. All A-level subject disciplines follow the AQA specifications. All Science subjects are very popular and this is reflected in the numbers of students taking up places in Year 12. Results are improving year on year, with the 2019 A-Level students achieving 100% A*-E across all three Sciences and 69% A*-B in Chemistry, and 26% A*-B in Biology.

A very well attended Science Club takes place on a weekly basis. The club operates on a weekly topic basis and students complete a range of practical activities. In addition, the department also runs a popular Astronomy club and a cross-curricular STEM club.

There are a large number of opportunities for students to attend extra-curricular visits to enhance their learning. These include an annual Y7 visit to Chester zoo, Y9 trip to the Big Bang fair, KS4 Science live visits, Y13 Physics trip to CERN, Y10 Physics trip to Alton Towers and various other events through the year. There are a number of enrichment activities that take place during British Science week, as well as other 'special weeks' throughout the school calendar.

The Governors seek to appoint an excellent and reflective classroom practitioner with the energy, drive and enthusiasm to continue to build upon and develop standards within the Science Department.