

Science at St. Mary's



General

The Science faculty is a hardworking team who work closely together to develop and improve all aspects of our teaching. We seek to enthuse and inspire our students in all aspects of Science and promote a real appreciation of the world around us.

The Science faculty currently consists of 12 teachers and 2 technicians. There are nine laboratories, a teaching classroom, a large preparation room and a team office. The advertised Assistant Faculty Leader role is a new and exciting position created within the science leadership structure to commence in September 2021. The successful applicant will work collaboratively with the Faculty Leader and the Key Stage Coordinator.



Key Stage 3

A new scheme has been developed and written in house for Key Stage 3 using a variety of resources to provide the best possible learning experience for our students. The faculty have developed an ambitious five year (7-11) spiral curriculum, which exposes our students to a wide variety of concepts and topics, with each encounter increasing in complexity and reinforcing previous learning.

Key Stage 4

At Key Stage 4, we follow the AQA course for combined science trilogy and separate sciences. Students achieve excellent outcomes at GCSE with many students reaching, and even exceeding, their aspirational target grades.



Key Stage 5

At A-level, we offer AQA Biology, Chemistry, Physics and Applied General Science. Over recent years the results at A Level in all the Sciences have been consistently above national averages of which we are duly proud. Each year we have a good number of students who are successful in securing places at Oxford and Cambridge as well as those who go on to study medicine, veterinary science, dentistry, engineering, chemistry and medical Sciences.

We are also keen to develop science beyond the curriculum; there is a popular science club, an annual trip to the Royal Society summer exhibition, year 9 RSC lectures, A level chemistry practical days at Leeds University, Salter's chemistry competitions, physics A level university lectures and taking part in subject Olympiads to name but a few. We also run many lunchtime intervention sessions for students at all key stages to support their progress.

Health and Social Care

The Science Faculty also oversees the running of Health and Social Care which is a single option both at KS4 and 5. This is a popular subject and has been very successful both at KS4 and Post-16 over the past few years with students gaining excellent value-added results.