

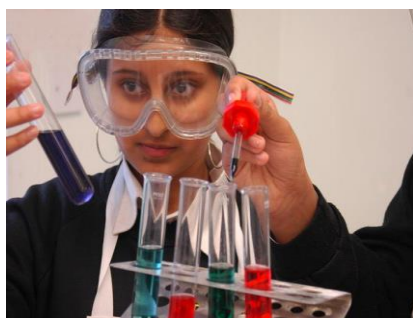


SCIENCE FACULTY

About us...

The Science Faculty is a dynamic, lively team consisting of 11 full-time teaching staff. We have a variety of specialisms within the team.

In addition to the Head of Faculty there is an Assistant (TLR2b), focusing on developing and leading Key Stage 4, as well as a Lead Teacher for Key Stage 3 (TLR2a). Other members of the team take on various responsibilities such as the mentoring of SCITT students, running science clubs, STEM groups, Crest Awards.



The College as a whole strives to sustain continued improvement and, as a Science Faculty, we are always looking to ensure we offer the best for our students, embracing new resources and technologies. We are committed to providing a stimulating, engaging teaching environment and curriculum for students that enter our college.

Last year we achieved outstanding results again at GCSE achieving higher than the national average in all courses, with 73% and 63% of students making expected progress in Additional and Core Science respectively, and 74% gaining A*-C grades. In addition 100% of those studying separate sciences obtained A*-C in Biology, Chemistry and Physics.

The Science Curriculum

Key Stage 3

Students at key stage 3 have 6 hours of science a fortnight. In Year 7 the students are taught in mixed ability groups and from Year 8 there is some grouping by ability. Throughout Years 7 - 9 students gain an understanding of key scientific principles that prepare them for their GCSEs and develop the investigative skills necessary for Science. The Year 9 students are set, allowing early identification and preparation for the most appropriate courses to be followed at KS4. GCSE transitional work begins in the spring term in order to prepare for

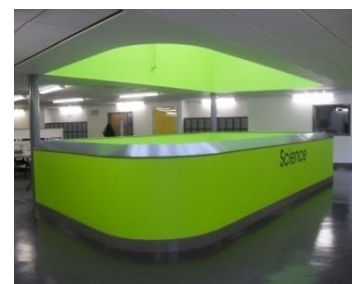


GCSE studies, consolidating the work covered in Years 7 and 8 as well as introducing aspects of GCSE Biology, Chemistry and Physics. This enables students to further develop aspects of 'Working Scientifically'.

Key Stage 4

9 lessons a fortnight for Year 11

The current Year 11 follow the AQA Science A course and the majority of the students follow the AQA Additional Science course. A smaller section of the cohort study the AQA Additional Applied course. The most able students take separate sciences, again following the AQA course and undertaking the further B3, C3 and P3 modules necessary.



9 lessons a fortnight for Year 10

Year 10 follow the new AQA Science Trilogy course. In Year 10 there are 2 groups that study AQA Separate Science as an option. A smaller section of the cohort are provided extra literacy support by an experienced science teaching assistant.

The units are taught through a variety of approaches reflecting the strengths of individuals in the faculty and are supported by detailed schemes of work.

Accommodation & Equipment



The Science Faculty has superb and generous accommodation provision with 10 purpose built large labs, 2 prep rooms, and a flexible teaching area for group work and independent study. The labs have 'wet' and 'dry' areas to maximise flexibility and enhance teaching & learning within the Faculty.

The faculty area has extensive ICT facilities including portable lap safes for student use, Einstein tablets, data loggers, etc.

Extra-curricular and Enrichment Activities

We offer a number of extra-curricular classes for students, after school, during holidays and even on the occasional Saturday morning! We run science clubs for Key Stage 3 students as well as STEM clubs and CREST Awards. At Key Stage 4 we offer revision support, half term booster days, as well as peer study sessions. Following student feedback we have also introduced a wider range of trips and visits.



As you can see, Soar Valley has a lot to offer! We hope you will find these details of interest and look forward to receiving your application.

February 2017