

The Science Faculty

The Science Faculty consists of 11 teachers and 2 laboratory Technicians, working in a cohesive, dedicated effective team.

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| Hazel Kitching | Current Faculty Leader; Chemistry specialist |
| Steve Jones | Assistant Faculty Leader: Teaching and Learning; Chemistry specialist |
| Ruth Rothwell | Acting Assistant Faculty Leader: Data and Intervention; Physics specialist |
| Saorise Altham | Chemistry specialist |
| Nafis Dayala | Physics specialist |
| Elizabeth Hilton-Peet | Biology specialist |
| Alex Jordinson | Deputy Head; Chemistry specialist |
| Matthew Lack | Biology specialist |
| Nick Long | Physics specialist |
| Claire Smith | Chemistry specialist |
| Kate Webster | Biology specialist |

Technicians Annette Walker & vacancy

The Aims of the Faculty are:

- To ensure that every student, regardless of ability, reaches his/her full potential
- To promote a love of Science and a genuine interest in the world around us and how it works.
- To develop skills, an enquiring mind and an analytical approach leading to students becoming responsible, resilient, active citizens, and consequently to meaningful opportunities in the world of work.

Year 7 are taught in mixed ability classes while Years 8-11 are set according to ability which is regularly reviewed. KS3 students are taught Science and KS4 students are taught Biology, Chemistry and Physics by specialist teachers. The top two sets at KS4 are taught Triple Science while all other sets are taught Trilogy Science.

Year 7 and 8 students undertake 6 lessons of Science a fortnight, Year 9 students undertake 9 lessons split into Biology, Chemistry and Physics and Year 10 and 11 students undertake 12 lessons split into Biology, Chemistry and Physics.

The Science Faculty aims to promote a love of Science and investigation. We value both the knowledge of the Scientific World around us and the skills to be able to investigate it. We hold events throughout the year to include Science in careers, Science week, STEM clubs, the Faraday challenge and Year 9 undertake half a term of enrichment based on the COSMOS videos initially made by Carl Sagan and remade for the present Scientist.

Our Schemes of work are based on the 10 Big ideas of Science and these can be traced through all Key Stages. The order of work is regularly reviewed and new resources constantly added. All students have a Kerboodle account, access to a virtual textbook, use of SENCA learning, GCSE Pods and teachers are subscribed to Teachit. All year groups actively use knowledge organisers at school and at home.

Ideas are shared extensively throughout the department and shared good practice sessions are held regularly in the department. These include moderation, looking at EEF teaching strategies, Disciplinary Reading and SEND.

The Faculty leadership undertakes half termly monitoring to include drop-ins, learning walks, work scrutiny and student voice. A 'deep dive' QA is undertaken by SLT once a year.

The Science staff are a friendly, hard working, close-knit team, supportive of one another and showing a deep seated love for their subjects, imparting that love to their students.