



Science

The sciences are amongst the most popular and successful subjects at Eltham College. All students study all three sciences up to the end of Year 11 and a significant number continue to A Level. The sciences are also well represented in the courses which students choose to follow at university.

All pupils in Years 7 and 8 are taught separate sciences by subject specialists. In Year 9 the GCSE courses commence with Biology and Physics teaching Edexcel iGCSE and Chemistry teaching AQA GCSE. A small number of students are entered for AQA Trilogy Dual Award GCSE. In both cases, they will be taught by specialists for each subject.

All three sciences are available at A level, either together or in combination with a wide range of other subjects. In addition to the three core sciences, we also offer Geology and Psychology at A level.

The three departments share twelve teachers and four technicians between them and are housed together in the Science block. Each of the ten laboratories is fully equipped, has a computer and an interactive whiteboard, and there is a rolling programme of upgrades ongoing. All departments are extremely well resourced. Teachers are expected to contribute to the teaching of their specialist subject across all the three key stages, as well as to our expanding co-curricular provision.

Physics

The Physics department is amongst the best performing departments in the school and attracts pupils of high calibre at A-Level. It is also amongst the most popular subjects on offer and this year is second only to Maths in terms of number of pupils opting to pursue it at A level.

We teach Edexcel IGCSE Physics in Years 9 to 11 and Edexcel A level in the Sixth Form. Results in recent years have been excellent at both IGCSE (74% A*, 95% A*/A, 100% A*-B) and at A level (27% A*, 57% A*/A, 71% A*-B). The majority of Physics students go on to read related disciplines at university.

There are a number of regular visits in place to support the curriculum: Thorpe Park in Year 7, The Royal Observatory and Planetarium in Year 8, GCSE Science Live in Year 11 and CERN in the Sixth Form. We have also welcomed a number of visiting speakers from institutions such as McLaren F1, NASA, and CERN.

Pupils participate in various competitions at all age groups e.g. The National Space Design Competition, Weismann safe cracking competition, First Lego League, the BPhO A level, AS and GCSE Challenges, which have all seen prizes awarded at gold, silver and bronze level.

The Physics department is well resourced with five teaching staff and well supported by a full-time Physics technician, in three dedicated laboratories. Physics is a forward-thinking department and we are always exploring ways to promote and enhance the excellent teaching which goes on. The successful candidate will have the opportunity to continuously develop ideas and resources.

Person Specification

This is an exciting opportunity for a well-qualified, enthusiastic and able graduate to teach Physics up to and including A level.

Experienced and newly qualified teachers are welcome to apply, as are graduates who are interested in pursuing a career in teaching.

The successful candidate will be a graduate of a good university; able to demonstrate excellent subject



knowledge, ideally with a proven track record of both high academic standards and success combined with an ability to enthuse pupils of all ages. Experience in a similarly high-performing academic environment will be a distinct advantage.

All teaching staff are expected to contribute to our extensive co-curricular programme. A willingness to be involved in Games (boys' or girls') would be a particular recommendation.

The post holder's responsibility for promoting and safeguarding the welfare of children and young persons for whom he / she is responsible, or with whom he / she comes into contact will be to adhere to and ensure compliance with the School's Child Protection Policy Statement at all times. If, in the course of carrying out the duties of the post the post holder becomes aware of any actual or potential risks to the safety or welfare of children in the School he / she must report any concerns to the School's Designated Safeguarding Lead.