



## Mathematics

Mathematics is a popular subject at Eltham College, taught by a department of ten teachers. All teachers work across the full age and ability range. We share a common goal of providing a nurturing learning environment where all pupils are able to achieve their potential, and are supported according to their needs. We aim to develop a broad understanding of Mathematics beyond the curriculum, and encourage an interest in the subject, which also supports the achievement of outstanding performance.

Mathematics is taught in ability sets from Years 7 to 11, with Year 7 initially taught in mixed ability form groups. Ultimately, all pupils are entered for Edexcel IGCSE Mathematics (Higher tier). In Year 11, pupils in the highest ability group will also have the opportunity to study OCR Additional Mathematics as a foundation for A level study, with Edexcel IGCSE Further Pure Mathematics as an option for the most able pupils. In 2017, 94% of pupils achieved A/A\* grades in Mathematics IGCSE, with 75% of pupils achieving grade A\*.

Mathematics is the most popular A level subject choice, and many of the girls who join the school in the Sixth Form choose this option. Following the new Edexcel specification, pupils cover Pure Mathematics and both Mechanics and Statistics. In addition, we offer programmes to accommodate our most able mathematicians, with the option to study the Edexcel A level in Further Mathematics. In 2017, 58% of pupils achieved A\*/A grades in GCE Mathematics, with 32% achieving A\* grades.

We are keen to promote opportunities for pupils to engage in mathematics outside of the classroom. We participate in the UKMT Maths Challenges at all levels, with pupils regularly qualifying for the Kangaroo and Olympiad papers. We also have teams taking part in the Hans Woyda Competition and the UKMT Team Challenges at Junior and Senior level. On a weekly basis, the Senior Mathematics Society provides challenge for our Sixth Form mathematicians, and we support pupils preparing for University entrance through sessions focusing on MAT and STEP papers, and Oxbridge interviews. The Maths Masters club enables pupils in Years 7 and 8 to engage in challenging mathematical activity, and the Middle School Maths Society (MS<sup>2</sup>) provides a weekly forum for mathematical discussion for pupils in Years 9 to 11. Our daily Maths Clinic offers drop-in support from staff for all pupils, with Sixth Form pupils acting as Mathematics Mentors for pupils in Years 7 to 11. We also run Maths Clubs in our Junior School and within a number of local primary schools, as well as hosting an annual Maths Blast Competition for pupils in Year 5.

A range of ICT resources are available to support teaching and learning. Each room is equipped with an interactive whiteboard, and software packages such as Autograph and Geometer's Sketchpad are also available. We hope to further extend departmental use of ICT, and in particular the use of our newly acquired set of Microsoft tablets, alongside portable technology such as graphical calculators to allow a greater number of pupils to develop their mathematical understanding.

## Person Specification

This is an exciting opportunity for a well-qualified, enthusiastic and able graduate to teach Mathematics 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.***