



"Studying Further Maths at A Level enabled me to cover a broad range of interesting mathematical concepts. The small class sizes and engaging environment made lessons really enjoyable. The tutorial-style classes were excellent preparation for university; this has been invaluable whilst starting my degree at Oxford."

Tom, former King's pupil

Mathematics at King's

The Mathematics Department is an energetic, supportive and innovative department which consists of the Head of Department, the Second in Department, and four Maths teachers. There is also a Maths specialist who works as Assistant SENCo supporting those with learning needs, and a Maths Partnership Coordinator. They share the teaching of Maths from Year 7 through to Year 13, and some members of the team deliver Further Maths at A-Level.



Pupils are set from very early on in Year 7 and go on to study for the Pearson Edexcel IGCSE in Mathematics (Specification A) with the aim that the majority will take the Higher Tier; however, we have a flexible approach and enter some for the Foundation Tier, if this option would suit them better. A-Level students also follow the Edexcel exam board. The department seeks to give each full-time teacher a range of classes, including one top set class where pupils are targeted at grade 9 and a lower ability class, working towards achieving at least a grade 4. Able pupils in Year 11 are offered the opportunity to study the AQA Further Maths GCSE course through a combination of in class teaching and independent learning. The Schemes of Work allow for flexibility so teachers can tailor their teaching to their class, ensuring that all students make the best possible progress.



DISCOVERING Maths

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2022 ISI Inspection Report: 'excellent in all areas'



The teaching of Mathematics mainly occurs in five rooms, each of which has an interactive whiteboard and visualiser. The Pearson textbooks are used at A-Level. For Years 7-11 there is no prescribed textbook, but the teacher is free to choose one, should they wish. Much use is made of subscription websites, such as Dr Frost, Mathspad, Mathsbox, and Integral Maths, for providing engaging and challenging activities as well as interactive worksheets and videos. We currently follow the White Rose Scheme of Work at KS3 and use the Sparx platform for prep, with an aim to develop mastery in all topic areas. The department collaboratively share their Desmos, SMARTNotebook and ActiveInspire resources and mini whiteboards are available in each classroom.



Students are actively encouraged to take part in national competitions and problem-solving activities such as those provided by the Parallel Maths Project. Selected students are entered for the UKMT Mathematics Challenges and the results are good, with some students qualifying for follow on rounds. Teams of students are also chosen to take part in AMSP events. Cross-curricular links and projects are incorporated in the Schemes of Work. The department contributes to the Academic Enrichment programme, running sessions on topics such as Game Theory and Chaos Theory, and organising residential trips to places such as Florence and the International Space Station in Florida.

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