



Archbishop Tenison's

CHURCH OF ENGLAND HIGH SCHOOL

SIXTH FORM: Mathematics



Mathematics A Level Course Overview

At Archbishop Tenison's Sixth Form, we follow the Edexcel A Level Mathematics specification, developing students' mathematical knowledge, problem-solving skills and logical thinking.

The course covers three key areas: Pure Mathematics, Statistics and Mechanics. Pure Mathematics includes algebra, functions, trigonometry, calculus, sequences and numerical methods. Statistics develops understanding of probability, data analysis, distributions and hypothesis testing, while Mechanics applies mathematics to real-world situations involving forces and motion.

Students are challenged to make connections between different areas of mathematics and apply their knowledge to unfamiliar problems. A Level Mathematics provides an excellent foundation for university study and careers including engineering, economics, finance, computer science, medicine and the sciences.



What's great about Mathematics at Tenison's Sixth Form?

Mathematics at Tenison's is about developing confident, independent and resilient mathematicians. Our lessons focus on genuine understanding rather than simply learning procedures, encouraging students to explain their thinking, explore different approaches and tackle challenging problems.

Students benefit from expert teaching, personalised support and a positive learning environment, with strong relationships between teachers and students. We recognise that A Level Mathematics is a significant step up from GCSE and provide guidance to help students develop the independence and study habits needed to succeed.

Above all, we aim to foster a genuine enjoyment of mathematics, encouraging students to be curious, ambitious and willing to embrace challenge.



Opportunities and Successes

Students at Tenison's have opportunities to develop their mathematical skills beyond the A Level specification, including enrichment activities and mathematical competitions. These provide opportunities to explore challenging problems and develop creative approaches to mathematics.

Students who want to take their studies further can also study Further Mathematics, exploring more advanced concepts and extending their mathematical understanding.

Our students achieve strong outcomes and progress to a wide range of university courses and careers. Mathematics A Level is particularly valuable for pathways including Mathematics, Engineering, Economics, Computer Science, Physics, Finance and the Sciences.

We are proud to support students in developing the knowledge, confidence and problem-solving skills needed for success beyond Sixth Form.