



Archbishop Tenison's

CHURCH OF ENGLAND HIGH SCHOOL

SIXTH FORM: Further Mathematics



Further Mathematics A Level Course Overview

At Archbishop Tenison's Sixth Form, we follow the Edexcel A Level Further Mathematics specification, providing an opportunity for students to explore mathematics in greater depth and develop more advanced problem-solving skills.

The course builds on the foundations of A Level Mathematics, covering areas including complex numbers, matrices, further calculus, differential equations, vectors and numerical methods. Students also study additional applied mathematics, with options including Further Statistics and Further Mechanics.

Further Mathematics is a challenging and rewarding qualification that encourages students to think creatively, make connections between mathematical ideas and tackle complex, unfamiliar problems. It is particularly valuable preparation for students considering mathematically demanding university courses.



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

Further Mathematics at Tenison's is an opportunity for students who really enjoy Mathematics and want to explore the subject beyond A Level. Students are encouraged to think deeply, challenge themselves and develop sophisticated mathematical reasoning and problem-solving skills.

Lessons provide opportunities to explore challenging concepts, discuss different approaches and make connections between topics. Students develop the independence and resilience needed to tackle unfamiliar problems with confidence.

With expert teaching and a supportive learning environment, students are encouraged to ask questions, explore ideas and develop a genuine appreciation of the power and beauty of mathematics. Further Mathematics is an excellent choice for students who are curious, ambitious and keen to push their mathematical understanding further.



Opportunities and Successes

Further Mathematics provides students with opportunities to explore mathematics well beyond the standard A Level curriculum. Students develop advanced problem-solving skills and encounter mathematical ideas that provide an excellent foundation for further study.

Students can participate in mathematical competitions, enrichment activities and extension work, giving them opportunities to tackle challenging problems and explore areas of mathematics beyond the specification.

The qualification is particularly valuable for students considering university courses in Mathematics, Engineering, Physics, Computer Science, Economics and other highly mathematical subjects. It can also help students make a confident transition to the demands of university-level mathematics.

At Tenison's, we are proud to support students in developing the independence, resilience and mathematical curiosity needed to thrive in their future studies.