

A Level Further Maths at The Warriner School



Further Mathematics A Level

Entry requirements: GCSE Mathematics at Grade 8 or above. Students achieving a Grade 7 will be admitted at the discretion of the Maths Department. Students choosing Further Mathematics must also choose A level Mathematics.

Exam board: OCR – MEI Specification.

All assessment will take place at the end of the course. Exam questions may draw on the content of the whole A Level.

There will be a significant emphasis on problem solving, reasoning, and modelling and a requirement for the use of technology to permeate teaching and learning.

There is some optional content within A Level Further Mathematics. It includes pure mathematics, mechanics and statistics (including analysis of large data sets). An indication of optional content is given below but please be aware that this may change slightly, depending upon the requirements of the students in each cohort.

A decision will be made about the optional modules once it is known who has signed up to the course and how students make progress, so that the aspirations of students in the group are best supported.

Assessment structure	Compulsory Further Pure topics	Optional components
2h40min Pure paper, and either 2h15min +1h15min or 3x 1h15min	<ul style="list-style-type: none">- Complex numbers- Matrices- Proof by induction- Sums of standard series- Vectors	3 options, each with a separate examination, from: <ul style="list-style-type: none">- Mechanics A- Statistics A- Modelling with algorithms- Numerical methods- Mechanics B- Statistics B- Further Pure Mathematics

Skills required: The skills required for Further Mathematics are the same as those for Mathematics. In addition, Further Mathematicians have a passion for, and want to gain a deeper understanding of, mathematical concepts and perhaps go on to study Mathematics at a top university.