



Cotswold Edge Sixth Form



Subject	FURTHER MATHEMATICS AS-LEVEL	Exam board	AQA
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Course outline

Further Mathematics offers the enthusiastic mathematics student an opportunity to cover some areas of mathematics not covered in the A Level mathematics examination. It gives greater knowledge of some areas that are covered in the A-Level Maths course. It may also offer alternate approaches to material covered as part of the main course. A calculator is allowed for all modules. There are no coursework requirements with this course. You will be expected to discuss any problems or misunderstandings with your class teacher and there are likely to be extra sessions provided to support the course, either after school or during holidays. This course can only be taken alongside A-level Maths.



Course assessment

AS-Level	
Paper 1 50%, 1 hour 30 mins	Paper 2 50%, 1 hour 30 mins
<ul style="list-style-type: none"> • Proof • Complex numbers • Matrices • Further Algebra and Functions • Further Calculus • Further Vectors • Polar coordinates • Hyperbolic functions 	<p>Mechanics</p> <ul style="list-style-type: none"> • Dimensional analysis • Momentum and collisions • Work, energy and power • Circular motion <p>Statistics</p> <ul style="list-style-type: none"> • Discrete random variables • Poisson distribution • Type I and II errors and power of a test • Continuous random variables

Course progression

Further Mathematics can provide the tools for a career in engineering, landscape architecture, computer programming, the civil service, teaching and many more. It can also help you to get on to the university course you require if there is to be a mathematics element to your course.