

Sixth Form Subject Information

Further Maths



Qualification	AS or A-Level	
Exam Board	Edexcel	
Course Leader	Mrs C Hunt	
Course summary	<p>Further Maths is an extension to Mathematics and serves those more able students. It is appropriate for those students who have achieved an A or A* at GCSE and a genuine love for mathematics.</p> <p>In this course we will aim to:</p> <ul style="list-style-type: none"> ➤ Broaden your range of mathematical skills and techniques ➤ Show how different areas of mathematics are connected ➤ Help you to become confident and extend your mathematical skills and techniques. ➤ Help you use mathematics to as an effective means of communication ➤ Use mathematical reasoning to draw inferences. ➤ Solve challenging problems ➤ Help you become an independent learner. 	
What will students learn?	AS content	<p>The content will consist of Pure and applied mathematics. Pure Mathematics is compulsory and will assess:</p> <p>Proof Complex Numbers Matrices Further Calculus Further Vectors Polar Coordinates Hyperbolic Functions</p> <p>Students will then choose a combination of 2 modules from: Statistics, Mechanics or Discrete Mathematics</p>
	A Level content	<p>This includes all of the AS content but studied to a greater depth. Plus:</p> <p>Differential Equations Further Trigonometry Further Co-ordinate geometry</p>
How will students be assessed?	AS	<p>At AS there will be 2 papers worth 50% of the exam each. They will be a mixture of short and multi-step problems. Each exam will last 1.5 hours.</p>
	A Level	<p>A Level is assessed by three 1.5 hour papers and each paper is 1/3 of the A level. Two papers will be devoted to the core pure maths and one paper to the optional modules.</p>
Differentiation	Exercises are available to stretch the more able and support in terms of 1 to 1 is given to those needing more help.	
Resources	Text books are linked to the exam board requirements. There are many websites available to support review and revision.; most notable MyMaths	

