

Core Mathematics

Head of Department :	Mr M Payne	Exam Board :	AQA	Level:	AS (over 2 years)
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Students are required to achieve at least a grade 5 at GCSE level. This is a AS level qualification that will be studied over 2 years and taken at the end of Year 13.

AQA Level 3 Mathematics Studies (Core Maths)

Examination 100%

Students will sit two exams at the end of Year 13 which assess their knowledge and understanding of the following areas of the course:

Paper	Length of exam	Weighting	Content
Paper 1 Compulsory material	1 hour 30 minutes	50%	<ul style="list-style-type: none"> ▪ Analysis of data ▪ Personal finance ▪ Modelling and estimation
Paper 2 Statistical techniques	1 hour 30 minutes	50%	<ul style="list-style-type: none"> ▪ Critical analysis ▪ Normal distribution ▪ Confidence intervals ▪ Correlation ▪ Regression

Other important information about the course

- A scientific calculator is required throughout and is permitted in each exam
- A copy of preliminary material is made available in advance so that students can prepare for their assessment. A clean copy of preliminary material to be provided in both exams
- A formulae sheet will be available for reference in papers 1 and 2
- Statistical tables will be available for use in paper 2

Key benefits of taking 'Core Maths'

- Core Maths has been designed to maintain and develop real-life mathematical skills. What students study is not purely theoretical or abstract; it can be applied on a day-to-day basis, whether in work, study or life.
- Most Core Maths courses will include a financial mathematics element and can help with other A level subjects, in particular with science, geography, business studies, economics and psychology.
- Mathematical skills are becoming increasingly important in the workplace and in higher education - studying Core Maths will help students to keep up these essential skills.