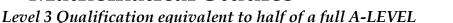
Mathematical Studies



Examination Board: AQA



Course Content

Paper 1	Paper 2 Optional content
• 3.1 Analysis of data	• 3.5 The normal distribution
 3.2 Maths for personal finance 	 3.6 Probabilities and estimation
• 3.3 Estimation	• 3.7 Correlation and regression
• 3.4 Critical analysis of given data and models	or
, ,	• 3.8 Critical path and risk analysis
	3.9 Expectation
	• 3.10 Cost benefit analysis
	or
	• 3.11 Graphical methods
	• 3.12 Rates of change
	3.13 Exponential functions
How it's assessed	How it's assessed
written exam: 1 hour 30 minutes (50% of total exam	written exam: 1 hour 30 minutes (50% of total exam
grade)	grade)
60 marks	60 marks
scientific calculator or graphics calculator allowed	scientific calculator or graphics calculator allowed

Assessment:

AO1: Use and apply standard mathematical techniques (25 to 30%).

AO2: Select appropriate mathematical techniques to solve problems in a mathematical and non-mathematical context, analyse data and represent data mathematically (30 to 40%).

AO3: Devise strategies to solve problems where the method is not obvious and communicate processes and results (30 to 40%).

Possible careers include: Continuing your mathematical education beyond GCSE will improve your employability in any field. The course is designed to support the study of many other subjects at A level and beyond (see links below). It will help you manage your personal finances and develop your understanding of the real life maths that surrounds us on a daily basis.

Prior Experience:

We prefer a Level 5 in GCSE Mathematics but will consider a Level 4. It is ideal if you want to continue your mathematical education but do not want to commit to maths A Level. The course is designed to help with everyday maths and contains topics on taxation, the cost of finance, critical analysis of mathematical information and statistics used in other A level subjects. As it is equivalent to half an A level it will boost your UCAS points. It is a new course but it is fast becoming a subject that is sought after by Universities and employers.

Links with other subjects:

Mathematical studies links well with all Sciences and Social Sciences, ICT, Accountancy, Business Studies, and Geography.