



Mathematical Studies

Level 3 Qualification equivalent to half of a full A-LEVEL

Examination Board: AQA

Course Content

Paper 1	Paper 2 Optional content
<ul style="list-style-type: none">• 3.1 Analysis of data• 3.2 Maths for personal finance• 3.3 Estimation• 3.4 Critical analysis of given data and models	<ul style="list-style-type: none">• 3.5 The normal distribution• 3.6 Probabilities and estimation• 3.7 Correlation and regressionor• 3.8 Critical path and risk analysis• 3.9 Expectation• 3.10 Cost benefit analysisor• 3.11 Graphical methods• 3.12 Rates of change• 3.13 Exponential functions
<p>How it's assessed written exam: 1 hour 30 minutes (50% of total exam grade) 60 marks scientific calculator or graphics calculator allowed</p>	<p>How it's assessed written exam: 1 hour 30 minutes (50% of total exam grade) 60 marks scientific calculator or graphics calculator allowed</p>

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.