



# A Level Mathematical Studies

This Level 3 Certificate Mathematical Studies qualification will consolidate students' mathematical understanding, build their confidence and competence in applying mathematical techniques to solve a range of problems and introduce them to new techniques and concepts that will prepare them for further study and future employment within a broad range of academic, professional and technical fields.

Mathematical Studies aims to prepare students for the mathematical demands of higher education and work where there is a distinct mathematical or statistical element, but where the mathematical demands do not stretch to a requirement for A-level mathematics.

The course will help to develop students' mathematical skills and thinking and supports other courses such as A level Psychology, Sciences, Business, Economics and Geography as well as technical and vocational qualifications. It is a linear course and will be wholly examined at the end of Year 12. As such, it is a great fourth option during the first year of Sixth Form.

## Subject specific entry requirements

In addition to the standard entry requirements, the following subject entry criteria should be met:

- 5 in GCSE Maths; 4 in GCSE English

## Exam Board

AQA – level 3 mathematical studies (1350)

<https://www.aqa.org.uk/subjects/mathematics/aqa-certificate/mathematical-studies-1350>

## Assessment

AS Level – 1 year course	
<b>Paper 1</b> (compulsory content) <ul style="list-style-type: none"><li>▪ Analysis of data</li><li>▪ Maths for personal finance</li><li>▪ Estimation</li><li>▪ Critical analysis of given data and models</li></ul>	Written examination 1hr 30mins 60 marks 50% of the qualification
<b>Paper 2A</b> (statistical content) <ul style="list-style-type: none"><li>▪ The normal distribution</li><li>▪ Probabilities and estimation</li><li>▪ Correlation and regression</li></ul>	Written examination 1hr 30mins 60 marks 50% of the qualification

## This course will lead to:

Students developing mathematical modelling, evaluating and reasoning skills; solving problems some of which will not be well defined and may not have a unique solution. Students will also develop skills in the communication, selection, use and interpretation of their mathematics.

*“An exciting and engaging new mathematics qualification that sits comfortably between GCSE and A-level, filling a long over looked gap.”*