



Core Mathematics

QUALIFICATION: OTHER

Awarding Body:

AQA

Length of Course:

2 Years

Level 3 Mathematical Studies (Core Maths) is a qualification designed for students who have achieved a grade 5 or above at GCSE.

It helps to develop students' mathematical skills and thinking and supports courses such as A-level Psychology, Sciences and Geography as well as technical and vocational qualifications.

The Level 3 Certificate in Mathematical Studies qualification is equivalent to an AS Level in UCAS points.

Assessment is through two equally weighted examinations taken at the end of the course.

The content of this course is **80% GCSE Higher Mathematics** and **20% of A-Level Mathematics**. In addition to the assumed knowledge of GCSE Mathematics the topics covered include; analysis of data, Mathematics for personal finance, Fermi estimation,

critical analysis of given data and models (including spreadsheets and tables), the normal distribution, probabilities and estimation and correlation and regression.

Assessment is through two written examinations taken at the end of the course. Both examinations are 1 hour and 30 mins in length and allow the use of a calculator.

Paper 1 - this is an examination based upon the mathematical content of the course.

Paper 2 - Students are expected to develop and demonstrate confidence and competence in the understanding and application of mathematical modelling in the solution of problems related to the use of statistical techniques.

Both papers include the use of preliminary materials which the students study in detail prior to the examinations. Familiarity with these materials is essential in answering questions in the examinations.

This course supports subjects with an element of Mathematical content.

This course is studied by students who take a course with a high mathematical content and are not studying AS or A-Level Maths.

It is open for any student to take as a fourth subject who wishes to keep studying Mathematics in Sixth Form.

It may also be taken by students who are not following these courses but want to maintain some Mathematics in their studies. This subject is taken alongside the 3 courses chosen by a student as not as a replacement of one of the choices.

ENTRY REQUIREMENTS

Mathematics GCSE Maths Grade 5

FURTHER INFORMATION

This course is compulsory to all students who are studying the following subjects but not studying Mathematics A level:

Biology, Chemistry, Computer Science, Economics, Engineering, Geography, Geology, Information Technology, PE, Physics, Product Design - 3D Design, Product Design - Textiles and Psychology.

It may also be taken by students who are not following these courses but want to maintain some Mathematics in their studies. This subject is taken alongside the 3 courses chosen by a student as not as a replacement of one of the choices.

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