

Mathematics (Core) Equivalent to AS

Level 3 Mathematical Studies (Core Maths)

Examination Board: AQA

Staff Lead

K Spreadborough, LLBC(Hons), PGCE, PGDip

Why Core Mathematics?

Core Mathematics is a two year course with two assessments as external examinations taken at the end of Year 13. Both examinations are 1 hour and 30 minutes. Both papers are worth 50% each.

This course leads to a Level 3 qualification, accredited by Ofqual, and equivalent in size to an AS qualification. However, it is distinct from AS Mathematics as learners consolidate mathematical techniques that can be directly applied to real-life contexts.

The study of Core Mathematics enables students to learn mathematics in addition to three Level 3 subjects. Students develop competence in the selection and use of mathematical methods and techniques and develop confidence in representing and analysis authentic situations mathematically and in applying mathematics to address related question and issues.

The purposes of this qualification are to:

- consolidate and build on students' mathematical understanding, and develop further mathematical understanding and skills in the application of mathematics to authentic problems
- build a broader base of mathematical understanding and skills in order to support the mathematical content in other Level 3 qualifications, for example GCE A Level Biology, Business Studies, Economics, Computing, Geography, Psychology, BTEC Applied Science, Business,

Health and Social Care, IT

- provide evidence of students' achievements against demanding and fulfilling content, to give them the confidence that the mathematical skills, knowledge and understanding they will acquire during the course of their study are as good as that of the highest-performing jurisdictions in the world
- prepare students for the range of varied contexts that they are likely to encounter in vocational and academic study, future employment and life

The content areas covered in this qualification (across both papers) are:

- Analysis of data
- Personal finance
- Modelling
- Statistical analysis

The content of this qualification is drawn from a range of GCSE content areas predominantly: statistics, probability, algebra and ratio, proportion and rates of change, together with content drawn from beyond and above GCSE content.

Career Paths & Degree Courses

Requirements

At least five 9-4 grades at GCSE, with a minimum average grade score of 4.5. At least a grade 4 in Mathematics GCSE.

Grade	UCAS Points
A	20
B	16
C	12
D	10
E	6