



Mathematical Studies (Core Maths)

Why study Core Maths?

Core Maths aims to help you retain, deepen and extend your mathematical skills and understanding through the use of meaningful and relevant problems, better preparing you for university, employment and life. This is a course for those who want to keep up their valuable maths skills but are not planning to take A Level Mathematics.

What skills will I gain from studying Core Maths?

You will develop mathematical and thinking skills. You will apply these to real - world problems. You will analyse data critically and present logical and reasoned arguments in context. You will communicate mathematical approaches and solutions in a variety of ways, including using ICT.

Having studied Core Maths what opportunities will be open to me?

This course will give you advanced maths skills that can be applied to other A Level subjects and a range of mathematical careers. Therefore, the Core Maths qualification will support students in all areas of future study and career paths.

Entry requirements:

There are different entry requirements for Core Maths.

If studied along with two other subjects - 5 GCSEs at grade 4, grade 5 in Maths GCSE.

Please note this is a 1 year course and students will need to choose another applied course in Year 13.

If studied as a 4th subject - A minimum of grade 6 in Maths GCSE and 5 x grade 6 or above.

Type of Qualification - Level 3 Qualification

Exam Board – AQA

Specification code/no. - 1350

Topics covered in Year 12:

Spreadsheets; Data types, collection and sampling; Numerical calculations; Percentages; Fermi Estimation; Representing data numerically; Representing data diagrammatically; Interest rates; Equation of a straight line; Solving financial problems; Perimeter, circumference and area; Similarity and Pythagoras' Theorem; Critical Analysis; Normal Distribution, Graphical representations; Repayments and Credit; Taxation – VAT, Income tax, National Insurance; Limits of accuracy

Please note that you cannot opt for both Maths and Core Maths