Core Maths (Mathematical Studies)

Core Maths is a 1-year course taken during year 12 in addition to your 3 subject choices. Through this course you will gain a sound understanding of personal finance including how your tax is calculated as well as understanding loans, budgeting and mortgages. The course also delves into statistical analysis, taking key concepts from GCSE and A Level Mathematics and seeing their real-world application.

This course is ideal for students who are looking to continue their mathematical studies but do not require A Level Mathematics.

Subject specific entry requirements

The following subject entry criteria should be met:

- Grade 4 in GCSE Mathematics
- Grade 4 in GCSE English

Exam Board

AQA

Assessment

The content of the Core Maths course is divided into the following components:

Component	Weighting	Assessment
Paper 1 - Analysis of data - Maths for personal finance - Estimation	50% of the course	Written examination: Paper 1 (1.5 hours, 60 marks)
Paper 2A (Statistical Techniques) - Critical Analysis - The Normal Distribution - Probabilities and estimation - Correlation and regression	50% of the course	Written examination: Paper 2A (1.5 hours, 60 marks)

This course will lead to:

Core Maths is a well-recognised qualification that may lead to a university offering lower grade requirements for their course in consideration of having achieved the Core Maths qualification.
It is also a good qualification for students where the further study of maths would be beneficial to their future career plans but does not require the study of A Level Mathematics.

The course gives students a better understanding of a range of personal finance concepts, ensuring students are well informed on the key concepts of taxation, loans (including student finance), mortgages and budgeting – all of which is immediately beneficial as students take their next steps on from Sixth Form.
The course also enables students to gain an in depth understanding of critical and statistical analysis which overlaps with the mathematics required in many other A level subjects as well as university courses.