MATHEMATICAL STUDIES (CORE MATHS)

Level 3 Certificate
Exam Board: AQA

Sixth Form

Who is it for?

Level 3 Mathematical Studies (Core Maths) is a qualification designed for students who have achieved a Grade 5 or above in Mathematics at GCSE. This two-year course helps to develop students' mathematical skills and thinking. It is aimed at students who are not taking A Level Mathematics but who wish to develop their mathematical skills beyond GCSE perhaps with a view to taking a degree course or apprenticeship that would benefit from recent exposure to mathematics.

You will need to meet the School's minimum entry requirements. For this subject you will need a Grade 5 or above in Maths at GCSE Level. You will also require a Grade 4 in English Language or English Literature.

What will I study?

In the first year you will study personal finance – you will learn about income tax and National Insurance, Mortgages, VAT, Inflation and Annual Percentage Rate (APR). You will also build on GCSE statistics (e.g. Box Plots and Histograms) and learn new skills such as Standard Deviation. You will also learn about Mathematical Modelling, Fermi Estimation and Critical Analysis.

In the second year you will learn more advanced statistics: normal distribution, confidence intervals, correlation and regression including Pearson's Product Moment Correlation Coefficient.

How will I be assessed?

There are termly internal assessments throughout the course and there is a trial exam in January in your second year.

Your grade will be determined by two written exam papers at the end of the course. There is no coursework involved in this course.

The Awarding Body we use is AQA and more details about the course can be found on their website.

How will I study?

Lessons will vary in style depending on the topic being studied and will involve class discussion, making notes, following through worked examples, practising the techniques taught in the lessons, and regular testing. We would expect you to make use of our ICT facilities.

Which other subjects does the course combine well with?

This course will combine well with all subjects across the curriculum, especially Psychology, Geography, PE, Chemistry, Biology, Sociology, Government and Politics and Design Technology.