POST 16 SUBJECT OVERVIEW

Name of Subject - Core Mathematics

This course is designed to support the mathematical content of other A-Level subjects such as Sciences or Social Sciences or provide the Mathematical foundations required for university degrees or careers that require higher level mathematical skills. This qualification will be ideal for our Post-16 students who want or need to continue the study of Mathematics but are not going on to study the A Level Mathematics course.

Which Examination Specification is Studied for this Course?
CORE MATHS B (MEI)
QN: 601/4782/9

Why should I study this course?

This course gives students the knowledge and skills needed to tackle problems in realistic contexts that are relevant to their other subjects.

The Level 3 Certificate in Core Maths A consolidates and extends the mathematics learnt at GCSE and introduces new topics that find application in real life applications. It is ideal for students who need transferable mathematical skills to support their other subjects.

Students solve problems through modelling and using spreadsheets to handle quantitative information with topics including:
Exponentials and Logarithms
Modelling and estimation
Normal distribution
Number and Finance
Probability and Risk

Statistical analysis
Number and Finance
Probability and Risk

Who is suitable to study this course? -

This course is suitable for students wishing to continue with a study of Mathematics beyond GCSE in a more applied context and/or to support their other courses such as A levels in Geography, Psychology, Biology, Chemistry, Physics, Economics or DT.

It is likely to attract students studying these subjects but for whom the prospect of an A level in Mathematics feels daunting, or who feel that the content of the A level Mathematics course explores too many pure mathematical concepts for which they are unlikely to find application.

What GCSE Qualifications Support the Study of this Course?

GCSE Mathematics

What are the Qualification Requirements for this Course?

GCSE Mathematics at Higher tier

How is the Course Delivered? -

Lessons at Post 16 will continue to involve discussion and group work and provide opportunities for you to think deeply, applying your knowledge to investigate and solve problems. Review of previous learning, both from GCSE and earlier parts of the course will be regular so you can keep on top of your learning and take responsibility for it in a supportive environment.

The course will be delivered during 3 hours of direct contact time. You will be expected to complete independent study for a similar amount of time and to attend additional study sessions such as after school enrichment and supervised study periods.

You will have copies of course text books to refer to and to give you access to exercise questions, your teachers will supplement this with their additional problems and notes.

How is the Course Assessed?

100% Exams:
Paper 1 (50%)
Introduction to Quantitative Reasoning 72 Marks, 2 hours.
Paper 2 (50%)
Critical Maths 60 Marks, 2 hours.

What is our Recommended Subject Reading list to Support your Study? -

Course texts will be provided.
A critical awareness of Mathematics and statistics used in the press.