Core Mathematics

Why choose Level 3 Mathematical Studies?

Level 3 Mathematical Studies (Core Maths) is a fantastic pathway for anybody who would like to continue their Mathematical education beyond GCSE but feels that A Level Maths is not quite for them. It is especially helpful to those who are taking A Levels where there is a lot of Maths involved (Sciences, Business, Geography etc). It is a qualification that will expose you to a lot of "real life" Maths such as mortgages, income tax, student loans and savings accounts. Previous students have really benefited from the extra UCAS points that this course gives, lifting the weight slightly from university applications.

What can I expect to learn?

The Level 3 Certificate in Mathematical Studies course builds upon the mathematical knowledge and skills developed at GCSE and introduces a range of exciting new concepts and applications.

Financial Mathematics

- Inflation
- Budgeting
- Savings accounts and AER
- Loans and APR
- Spreadsheets
- Income Tax and National Insurance

Estimation

- Fermi Estimation

Statistics

- Data presentation and interpretation
- Statistic sampling
- Critical analysis of data

Graphical Methods

- Drawing and interpreting linear and quadratic graphs
- Gradient as a rate of change
- Exponential functions and logarithms

Where does the course lead?

Level 3 Mathematical Studies helps students develop their quantitative and problem-solving skills. This is valuable preparation for the skills you may need for many degree courses, particularly subjects such as psychology, geography, business related courses, sports and social sciences, and natural science courses that do not require AS/A Level Mathematics.

Core Maths will provide you with the skills that employers want, including: being able to interpret graphical information, presenting logical and reasoned arguments in context, and having an understanding of Maths and personal finance.

Entry Requirements

- **Grade 5 or above in GCSE Mathematics (either Foundation or Higher paper)**
- **A minimum of five GCSEs at Grade 5 or above.**

****Please note: Level 3 Mathematical studies is to be taken as an additional AS along-side your 3 A Levels.**

