

# Level 3 Core Mathematics

## Why study this course?

Core mathematics has been designed to maintain and develop real-life mathematics skills. What you study is not purely theoretical or abstract; it can be applied on a day-to-day basis in work, study or life and most courses will include a financial mathematics element. It will also help with other A level subjects, in particular with Science, Geography, Business Studies, Psychology and Economics.

The skills developed in the study of Mathematics are increasingly important in the workplace and in higher education; studying Core Mathematics will help you keep up these essential skills. Most students who study Mathematics after GCSE improve their career choices and increase their potential earnings.

## What specific skills will I learn?

The course comprises of 80% GCSE and 20% A level content, so you will be revisiting the methods you have already developed during the GCSE and applying them to new concepts and models, for instance:

- Mathematics for personal finance estimation
- Critical analysis of data
- The normal distribution
- Probability
- Correlation

The course will have a lot of project-based work with and without technology

## What career paths could this course lead to?

Employers from all different sectors are firmly behind the Core Mathematics qualification. Many roles in today's workplace require high levels of budget management and problem-solving skills; Core Mathematics will equip you with these skills. Students currently studying Core Mathematics have also found it gives them confidence to better understand the mathematical requirements in other courses, such as Psychology, Geography, Accountancy, Economics, Biology, Forensics, Business Studies and Music.

**“Without Mathematics there's nothing you can do. Everything around you is Mathematics. Everything around you is numbers”**

## How is the course structured?

Core Mathematics is equivalent to an AS grade and carries the same number of UCAS points. You will receive ten lessons per fortnight and the course will be completed after a year. There are two modules: one which has financial mathematics, estimation, representing data and tax, and a second which contains statistical topics. You will be provided with pre-release material before the second exam to give you an idea of what the paper will cover.



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