

AQA A-Level Maths

Course introduction

AS and A Level Mathematics build on the skills and knowledge developed at GCSE level. A Level Mathematics emphasises how mathematical ideas are interconnected and how mathematics can be used to model situations using algebra, to help make sense of data, to understand the physical world and to solve problems in a variety of real life contexts.

Course Content

AS Level Mathematics

In Year 12 & 13, you will cover topics in Pure Maths, Statistics and Mechanics. In Pure Maths you will study a wide range of topics including differentiation, trigonometry and vectors. In Statistics you will learn about sampling and probability and in Mechanics you will learn about kinematics (displacement, velocity and acceleration).

A Level Mathematics

In the second year of this course, you will develop your mathematical problem solving skills and algebraic skills further and you will study more Pure Maths including logarithms and integration. In Statistics you will learn about the normal distribution and in Mechanics you will learn about projectiles and friction.

Where does it lead?

- A Level Mathematics is required to do most University courses in Mathematics, Physics, Chemistry (straight Chemistry degrees) and Engineering.
- A Level Mathematics provides a helpful background for the mathematical parts of University courses in Biological and Environmental Sciences, Architecture and Psychology (because of the Statistics content). Students who have not taken Maths beyond GCSE often struggle with the mathematical parts of these courses.
- This is one of the most marketable A-Level in terms of acceptability. Employers in all walks of life readily accept A-Level Mathematics as a desirable qualification.
- On average students with an A-Level in Mathematics earn 10% more than those without.
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Further information

Why study Mathematics at CFS?

- Experienced teachers who have taught A-Levels successfully for many years.
- Very good A-Level results stretching back over a number of years.
- Excellent relations between teachers and students with informal sessions regularly taking place.
- Small teaching groups.
- Teachers who enjoy their subject and seek to deliver fun and interesting lessons.
- We keep parents informed of their child's progress.

For further information, please contact Mr Rowbottom, Head of Maths.

