

A-level Mathematics

Below you will find some information regarding the A-level Mathematics course. Note that there are some entry requirements for this course. Please speak to us if you have any queries or questions.

What is covered?

A-level Mathematics builds primarily on algebra and coordinate geometry skills studied in GCSE Mathematics. The course contains two main strands – pure mathematics and applied mathematics, the latter of which splits evenly between statistics and mechanics. In pure mathematics, you will be introduced to new concepts such as the binomial series expansion, trigonometric equations, logarithms, and calculus. In statistics, you will learn about statistical measures, probability distributions and hypothesis testing while mechanics explores equations of motion and forces. There is a strong focus on mathematical modelling with real-life applications throughout.

What does the course involve?

There are three 2-hour examinations at the end of Year 13; the first two examinations cover the pure mathematics content while the third paper is reserved for statistics and mechanics only. Each paper contributes one third to your final grade. Lessons will introduce the skills necessary to answer the examination questions through printed notes and regular teacher support. Independent study work and textbooks are also provided. There is no coursework component.

Quick course facts

You should have a minimum of five GCSEs (including English) graded at 5 or above and a grade 6 or above in GCSE Mathematics.

This course will reinforce and extend the mathematics used in many other A-Level subjects such as Psychology, Biology and Physics.

The course duration is two years.

This course opens up many opportunities in higher education.

A-level Mathematics is highly regarded by employers.

UCAS points range from 16 for a grade E to 56 for an A*.

A Casio Classwiz calculator is provided.

