

# Mathematics A Level

A Level Mathematics is a mixture of pure (core) mathematics and applied mathematics. The course consists of mathematical thinking, statistics and mechanics and subsequently has clear links with a number of additional A Level courses. Mathematics is a requirement for several university degrees and is a well regarded A Level choice across many Russell Group universities including Oxbridge. With mathematics A Level you will be benefitting from:

- a stimulating and challenging course that develops logical thinking;
- opportunities to develop key employability skills;
- excellent preparation for a wide range of university courses and a versatile qualification that is well-respected by employers and higher education.

## Skills Required

A resilient, inquiring mind that thrives on problem solving and is confident with playing with numbers.

## Breakdown of assessment

Three, two hour examinations at the end of the second year including pure maths, statistics and mechanics. All exams are calculator papers.

## Entry Requirements

- Level 7 or above in Mathematics GCSE
- 5 GCSEs at Level 5 or above

*For extremely capable students (with a Grade 8 or 9) there is the opportunity to take the Further Mathematics A Level course. This would involve a considerable amount of independent study and can only be undertaken after discussion with Ms Lodge and Ms Hykin.*



## Core Maths.

Core Maths is intended for students who have passed GCSE Mathematics at grade 4 or better, but who have not chosen to study AS or A Level Mathematics. It is usually studied alongside A levels or vocational courses. Core Maths is equal in size to an AS level qualification and graded A-E.

Studying Core Maths helps students to develop their quantitative and problem-solving skills. It has been specifically designed with employers, universities and professional bodies to increase the employability of school leavers and apprentices.

Core Maths is studied for one year, with the exams taken at the end of Year 12.