



At Altrincham College we offer two different Post-16 courses:

- A-Level Maths
- Core Maths



What is covered in AS/A Level Mathematics

All of the content in the AS/A level Mathematics qualification is compulsory and is the same for all examination boards.

Pure Mathematics

(66%)

Methods and techniques which underpin the study of all other areas of mathematics, such as, proof, algebra, trigonometry, calculus, and vectors.

Statistics

(17%)

Statistical sampling, data presentation and probability leading to the study of statistical distributions

Mechanics

(17%)

The study of the physical world, modelling the motion of objects and the forces acting on them.

At least a **grade 7** in GCSE Maths is required to study A-Level Maths



Why study Maths A-Level?

Studying Mathematics will:

- provide a stimulating and challenging course;
- develop key employability skills such as problem-solving, logical reasoning, communication and resilience;
- increase knowledge and understanding of mathematical techniques and their applications;
- support the study of other A level subjects;
- provide excellent preparation for a wide range of university courses;
- lead to a versatile qualification that is well-respected by employers and higher education.

What is Core Maths?

- A Level 3 course equivalent to AS Level.
- It is studied over one year (in Year 12) in addition to your other subjects.
- It is suitable for students with a GCSE Mathematics **grade 5** or above.
- Focuses on using and applying mathematics to address real-life problems drawn from study, work and life. This includes financial mathematics and statistics.
- A course for those who want to keep up their valuable mathematics skills but are not planning to take AS or A-level mathematics.



Why study Core Maths?

- It helps to develop valuable life and mathematics skills, including calculating taxes, which will help students to understand information and make better informed decisions.
- It supports other A level subjects such as Geography, Psychology, Business Studies etc.
- It helps to develop an ability in mathematics in preparation for university study.
- It is a well regarded course by universities and employers.