

# Mathematics



## What our students say:

“I can honestly say the level of teaching is incredible, and while there is a substantial workload in the subject, having lots of practice helped me to achieve a top grade.”

## Why this course is right for you:

Mathematics at AS and A2 builds on work you will have met at GCSE, but also involves new ideas produced by some of the greatest minds of the last millennium. If you have a mathematical flair and enjoy the challenge of problem solving, this is the course for you.

Maths is not only a hugely valuable subject in its own right, but is a vital facilitating subject which will help you to thrive in other subjects.

Studying maths at A Level prepares you for a broad range of career-based applications, such as all forms of engineering, accountancy, aerospace and defence, manufacturing, the environmental sector, pharmaceutical and medicine, bioscience and anything which involves analytical thinking and numerical skills

## What you need to know:

**Exam Board: Edexcel**

**Who to speak to: Mr Oliver**

### Topics Covered:

Pure 1  
Pure 2  
Applied (Mechanics and Statistics)

### Assessment:

**Year 1** - Should it be appropriate to only take the course to AS Level  
100% examination  
1 Pure - 120 minutes  
1 Applied (Mechanics and Statistics) - 60 minutes

### Year 2:

Pure 1 - 120 minutes  
Pure 2 - 120 minutes  
Applied (Mechanics and Statistics) - 120 minutes

### Entry Requirements:

Grade 7 in GCSE Maths required  
Grade 8 in GCE Maths desired

### Co-curricular/trips:

You will have the opportunity to take part in the UKMT National Challenge competitions as an individual or as part of a team representing the school. Visits to maths events at UWE and Bristol University as well as Maths Inspiration at the Bristol Hippodrome.