

## Mathematics A Level

### Overview

This course has been designed to build on the problem solving skills that were developed at GCSE. At GCSE, the beauty of Mathematics only just starts to become evident. At A level, more of the picture is revealed. Links with the Sciences, Economics and Engineering become more obvious.

The course contains two thirds Pure Maths (predominantly algebra and calculus) and one third Applied. This focuses on building the student's toolkit of skills, which can then be applied to real world problems within Statistics or Mechanics (the Maths behind Physics).

### Will this course suit me?

You will need to have a grade A or A\* at GCSE Mathematics. To succeed at Maths A level you need to enjoy solving problems, but not necessarily first time around. Maths students are resilient. There is plenty of support for those who need it within the course and this help is very much student led, unlike GCSE. A strong independent work ethic will need to be developed to achieve highly.

If Mathematics was always something you had to do but got no satisfaction from, this is not the course for you. Equally those who found Mathematics straightforward, will need to prepare for a new challenge.

### Opportunities

If students are considering taking Engineering, one of the Sciences, Computing, Economics, Business or any other related degree or career further, then A level Mathematics is the perfect accompaniment.

Additionally straight Mathematics or joint honours degrees unlock the door to a wide variety of career options. Visit [www.mathscareers.org.uk](http://www.mathscareers.org.uk) for more information.

\*There is also the option to study Further Maths for students who wish to specialise and delve even deeper into this fascinating subject.