

## ENTRY REQUIREMENTS

A typical student studying A-level Further Maths will have attained a Grade 8 or 9 in their GCSE Maths. Students must also have chosen A-level Maths and this typically means that they are taking four A-levels at the start of Year 12.

## CONTENT

### First Year

In Year 1 we aim to cover all the necessary work by the beginning of May. This makes up 40% of the work required for the full course.

We advise that all students opting for Further Maths do so with the clear intention of completing the full two years of the course. It is possible, however, to attain an AS in Further Maths at the end of Year 12, should this prove to be necessary.

We look at some of the topics from A-level Maths but at a greater depth. We also study some topics that do not appear in A-level Maths. This includes Complex Numbers.

### Second Year

Year 2 begins before the summer break, at the end of Year 12, and the remaining 60% of the work must be covered before the five exam papers at the end of the course.

We develop further the ideas started in Year 1 and work on them in greater depth and detail.

In both years students also complete further work on their Applied Maths by studying areas of Statistics and Mechanics.

## PROGRESSION

A-level Further Mathematics is recognised as the hardest A-level to study. It attracts the strongest Mathematicians and is highly recommended by Russell Group universities for students applying for STEM degrees.

## GENERAL COMMENTS

Students who study Further Maths stand out to universities and employers.

“When students begin a STEM course with a Further Maths qualification, whether at A-level or AS, we find they are significantly better prepared to manage their studies.”



The thing I find about Further Maths in comparison to GCSE is that the students are all just as eager as one another to discuss Maths, whether it be in the news or just simply what we're doing in the specification at the moment. Being such a small class with a unanimous shared interest, you quickly begin to trust each other and work together, and you also have a much more one-on-one relationship with your teachers, who will be some of the best and most inspiring teachers that you will have throughout your A-levels. As long as you ask for help when you need it, you will never be left in the dark; the teachers and your classmates will always make the time to help if you're stuck on a tricky problem, but most importantly, to make every Maths lesson one to look forward to!

I took Further Maths, quite simply, because I love Maths. It may feel intimidating if you're considering Further Maths, as its reputation of being 'the hardest subject' precedes it.

However, a Further Maths A-level just requires you to be genuinely interested in Maths, and to have a desire to learn more about how Maths shapes our world. If you really love Maths, then the rest will follow.  
**CORA AKED**

