

## The Courses

Our examination board is Edexcel.

Mathematics leads to a single subject award, whereas Further Mathematics encompasses both Mathematics and Further Mathematics A Level. We also offer Further Mathematics at AS Level in the Upper Sixth. *Please note that full Further Mathematics can only be taken as a fourth A Level.* There is no course work for Mathematics or Further Mathematics.

## Mathematics

Students in Mathematics will sit three, two hour examinations at the end of the Upper Sixth – Paper One (Pure), Paper Two (Pure) and Paper Three (Applied Mechanics and Statistics).

## Further Mathematics

Students in Further Mathematics will sit three, two hour examinations at the end of the Upper Sixth – Paper One (Pure), Paper Two (Pure) and Paper Three (Applied Mechanics and Statistics). They will also sit four 90 minute examinations at the end of the Upper Sixth – Paper One (Core Pure 1), Paper Two (Core Pure 2), Paper Three (Further Statistics 1) and Paper Four (Further Mechanics 1).

## Further Mathematics AS Level

Students can select Further Mathematics AS Level as an option in the Upper Sixth. The course is assessed by two 100 minute examinations at the end of the Upper Sixth – Paper One (Pure) and Paper Two (Statistics and Mechanics).

N.B: We strongly recommend that students purchase a Casio FX-991EX ClassWiz calculator for their chosen course. This calculator has the required functionality that is needed for examinations.

## What do I need to study Mathematics?

- Mathematics: A minimum Grade 7 in Mathematics at GCSE is required, and a Grade 8 is strongly recommended.
- Further Mathematics: A minimum Grade 8 in Mathematics at GCSE is required.



## How do I choose which course is right for me?

### Mathematics

- A high grade at GCSE, along with a studious nature and a strong desire to learn, are what you need to do well. The course involves the study of the techniques of Mathematics, including algebra, geometry, trigonometry, calculus, statistics and mechanics, which are in turn applied to different practical situations.

### Further Mathematics

- This is for students who have a real flair for the subject. We recommend Further Mathematics to those who are strong in the fields of Mathematics, Engineering or Physics.
- To succeed at this course, you need to be well-organised and hard-working, as well as talented! It is a demanding programme even for the most able student, but it is a rewarding challenge for those who can cope with it.
- There is a strong preference in some of the top universities for Science and Engineering candidates to have Further Mathematics at either A Level or AS Level.

A Level subject choice video can be found here:  
<https://www.youtube.com/watch?v=AspZg4h5dpc>