

## AS/A Level Mathematics (and Further Mathematics)

### What does the course involve?

To succeed at AS or A level Mathematics you need to be a good Mathematician and, most importantly, you need to work hard.

You will find that the course builds on your success at GCSE but also introduces you to entirely new areas of Mathematics.

### What course units will I take?

The AS course consists of three units in Year 12 and for those who wish to achieve the full A Level, three further units in Year 13. In Year 12 you will be prepared for the C1 exam in January and the D1/C2 exams in June.

Those students who took their GCSE early and studied AS units in Year 11 will have the opportunity to study additional units to gain a Further Mathematics qualification if they wish.

A summary of the units involved is shown below:

AS Mathematics: Core Mathematics 1 (C1), Core Mathematics 2 (C2),  
Decision Mathematics 1 (D1)

A Level Mathematics: Core Mathematics 3 (C3), Core Mathematics 4 (C4), and  
1 other from Decision Mathematics 2 (D2), Statistics 1 (S1) or Mechanics 1 (M1)

AS Further Mathematics: Further Pure 1 (FP1) and 2 others from D2, S1, M1 and  
S2

### What qualifications do I need?

It is recommended that you have achieved at least a grade B on the Higher tier GCSE examination, although we will consider individual cases on their merits.

### Will I take part in any study visits/fieldwork/trips?

There may be study visits to universities in the build up to examinations. There is no coursework involved in any Mathematics unit.

### What can I do after the course?

If you are thinking of looking for a job straight after A levels, or going on to university, Mathematics is a great "core" subject - in fact, it is one of the most important subjects you can take. This is because the ability to understand and manipulate numbers and mathematical concepts is extremely useful for almost any job.

There is always a demand for employees who can think logically and process information accurately - skills which an A level in Mathematics will teach you.

It lends itself to a massive variety of careers and options for further study. These careers include accountancy, finance, banking, insurance, medicine, engineering and even teaching!