A LEVEL FURTHER MATHEMATICS

Exam Board: Edexcel

Sixth Form

Where do I start from?

For this subject you will need a minimum Grade 8 in Mathematics at GCSE Level. English Language or Literature at a minimum Grade 4 is acceptable. A keen interest and a desire to study high level Mathematics is essential.

What will I study?

All students will study a range of Pure Mathematics, Mechanics and Statistics. Pure Mathematics is the study of rigorous mathematical arguments using algebraic techniques which will give you an insight into major mathematical theories. Mechanics is the mathematical modelling of real-world situations. Statistics deals with the analysis of variable amounts of data and will explain many everyday real-life events.

How will I be assessed?

There are termly assessments and internal examinations throughout the course.

As a Further Mathematics student you will take three equally weighted linear papers: Pure Mathematics 1, Pure Mathematics 2 and a mixed paper of Statistics and Mechanics. The content for these papers will be studied over Year 12 and examined at the end of Year 12 to gain an A Level in Mathematics.

To progress to Further Mathematics you must gain an A or A* in A Level Mathematics at the end of Year 12.

During Year 13 you will take 4 additional linear papers to be awarded an A Level in Further Mathematics: Further Core Mathematics 1, Further Core Mathematics 2 and two more papers choosing from Further Mechanics and Further Statistics options.

There is no coursework involved in this course.

How will I study?

You will make notes, follow through worked examples, practicing techniques taught in lessons, independent study and regular testing.

We will also use lunchtime support sessions to help you learn more effectively.

You will also be expected to make use of the library Mathematics reference section, journals, graphical calculators and computers. You will also be expected to do practical modelling at times throughout the course.

Which other subjects does the course combine well with?

It combines particularly well with the Sciences. However, due to the transferable nature of Mathematics, this subject will complement the majority of the other courses on the curriculum.