A LEVEL MATHEMATICS

Exam Board: Edexcel

Sixth Form

Where do I start from?

For this subject you will need a minimum Grade 7 in Mathematics at GCSE Level. English Language or Literature at a minimum Grade 4 is acceptable.

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.

The course will consist of three equally weighted linear papers: Pure Mathematics 1, Pure Mathematics 2 and a mixed paper of Statistics and Mechanics. They will be studied over the two years and examined at the end of Year 13.

There is no coursework involved in this course.

How will I study?

Lessons will vary in style depending on the topic being studied and will involve class discussion, making notes, following through worked examples, practising the techniques taught in the lessons, and regular testing. We would expect you to make full use of our ICT facilities

We will also use lunchtime and post school 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?

The A Level Mathematics course will develop a wide range of techniques through its different modules. Because of this an A Level in Mathematics will combine well with all subjects across the curriculum, especially Science and the Social Sciences.