Mathematics

COURSE OVERVIEW

A level Mathematics gives you the opportunity to study topics such as geometry, calculus and trigonometry (pure mathematics) and to use these ideas within the 'applied' topics such as mechanics and statistics. Mechanics is strongly linked to physics and builds on ideas of motion and forces to work out how and why objects move. Statistics allows us to make sense of the complex and variable world around us via analytical methods in order to draw reliable conclusions from 'sets' of information.

KNOWLEDGE & SKILLS DEVELOPED

Successful candidates in A level Maths gain many lifelong skills. These include a deeper understanding of mathematical principles, further development of mathematical skills including the use of applications of mathematics in the context of everyday situations and in other subjects that they may be studying, the ability to analyse problems logically, recognising when and how a situation may be represented mathematically, the use of mathematics as a means of communication and it provides a solid foundation for further study.

Qualification: **A-Level**

Awarding Body: **Pearson Edexcel**

ASSESSMENT METHOD

Maths A level is a linear specification, so all assessment will be examinations at the end of the course.

There are three equally weighted exams at the end of the course, as follows:

- Paper 1: 2 hours long, questions on pure maths topics
- Paper 2: 2 hours long, questions on pure maths topics
- Paper 3: 2 hours long, questions on mechanics and statistics

OPPORTUNITIES AND CAREERS

Mathematics is a highly respected A level and supports progression to a wide range of degree courses and careers. All science-based degrees require good maths skills, and so too do Engineering and many Computing and Economics-based and Social Science degrees.

A level Mathematics is useful for those interested in apprenticeships in Accounting, Engineering, Teaching and Technology.

The reason why employers value mathematics qualifications is mathematics students become better at thinking logically and analytically. Through solving problem, you develop resilience and are able to think strategically and creatively.

"Maths is my favourite subject as I enjoy working towards a correct answer. The Maths teachers are really supportive and are always willing to give extra help."