



Mathematics

Who is this course for?

Mathematics at A-level is a course worth studying in its own right. It is challenging but interesting. It builds on work you will have met at GCSE, but also involves new ideas that some of the greatest minds of the millennium have produced. If you enjoyed the challenge of problem solving at GCSE using such techniques then you should find the prospect of this course very appealing.

What will I study?

Pure Mathematics: Core Maths

Topics such as algebra and trigonometry as well as learning some brand new ideas such as calculus. Although many of the ideas you will meet in pure mathematics are interesting in their own right, they also serve as an important foundation for other branches of mathematics, especially mechanics and statistics.

Mechanics:

When you study mechanics you will learn to recognise how a situation may be represented mathematically and understand the relationship between 'real-world' problems and mathematical models and how these can be refined and improved. The mechanics module includes topics such as vectors, straight line motion, forces and moments. This makes it ideal if you are also intending to study A' Level Physics.

Statistics:

When you study statistics you will learn how to analyse and summarise numerical data in order to arrive at conclusions about it. You will extend the range of probability problems that you started for GCSE by using the new mathematical techniques studied on the pure mathematics course.

Many of the ideas you will meet in this course have applications in a wide area of other fields – from assessing what your car insurance is going to cost to how likely the earth is going to be hit by a comet in the next few years.

How will I be assessed?

Written exams

Course entry requirements

Five GCSEs at grade 5 or above in different subjects including at least a recommended 7 in Maths

What can I do with this qualification?

It serves as a very useful support for many other qualifications as well as being a sought after qualification for the workplace. It is a useful qualification to go to study



Glossopdale Sixth Form Course Information

courses in Higher Education such as computing, Accountancy, Teaching, Engineering, Medicine, Architecture and Economics as well as Maths

Also consider Physics, Biology, Chemistry, Psychology, Graphics, Product Design, Geography



With our impressive Sixth Form facilities, outstanding teaching and excellent results we are confident that we can offer you a successful route to university or employment.

