

Succeeding Together

Trinity Sixth Form

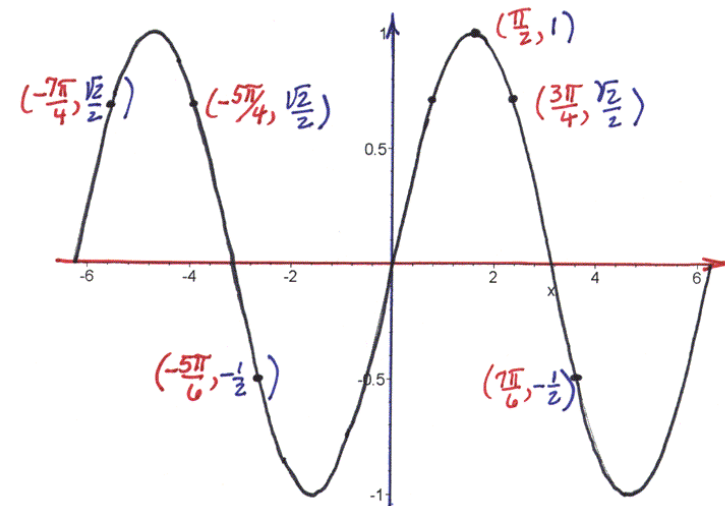
A Level Mathematics

Students studying this course say:

"I chose A level maths as I enjoyed mathematics at GCSE. It's challenging but I am enjoying it and it is interesting. I chose to stay here as there is a more personal approach and help is always at hand." Adam

"I chose A level maths as I enjoyed solving problems and like the challenge of some of the work." Lucy

"I chose A level mathematics as I like mathematics at GCSE and to secure a good university place. It exceeded expectations. I took further maths and find this challenging and rewarding." Antony



St Thomas More
Catholic Academy
FAITH | EXCELLENCE | RESPECT



What is the level of course I will take?

A Level - Level 3 – Edexcel

How will I be assessed?

AS level Maths requires 2 modules

Paper 1: Pure Mathematics is worth 2/3 of the qualification. It is a 100 mark paper and a 2 hour exam.

Paper 2: Statistics and Mechanics is worth 1/3 of the qualification. It is a 50 mark paper and a 1 hour exam.

This is a stand alone qualification and does not contribute towards the A2 grade,

A2 level Maths requires 3 modules.

Paper 1: Pure Mathematics is worth 1/3 of the qualification. It is a 100 mark paper and a 2 hour exam.

Paper 2: Pure Mathematics in more depth is worth 1/3 of the qualification. It is a 100 mark paper and a 2 hour exam.

Paper 3: Statistics and Mechanics is worth 1/3 of the qualification. It is a 100 mark paper and a 2 hour exam.

All questions must be answered on each paper and each exam requires a calculator

How will the course help me after Sixth Form?

An A Level in Mathematics is a much sought after qualification for entry into a wide variety of full time course at Higher Education. The door is open to any career with A level Maths but it's a key subject for careers in Economics, Accountancy, Architecture, Engineering, Medicine, Teaching, Psychology, Environmental Studies, Computing, IT, Banking, Insurance, Financial Advice, Investments and many more.

What will I learn?

Pure Mathematics

This extends the Algebra and Trigonometry elements from GCSE to a higher level of understanding that enables problems to be solved especially in Mechanics and Statistics.

Mechanics

This enables you to describe mathematically the motion of object and how they respond to forces acting upon them. Many of the ideas that you will meet form an essential introduction to engineering and physics.

Statistics

This enables you to analyse and summarise numerical data in order to arrive at meaningful conclusions. You will extend the range of probability concepts from GSCE. Many of the topics have wider applications in Biology and Geography for the recording of experiments.

How will I learn?

AS and A Level Maths requires dedication and commitment. The course is packed full of new concepts which demands practise and revision throughout the course. Lessons are similar to at GCSE level where a topic is introduced, discussions take place and some lesson time is given to practise and rectify mistakes, however, the level of home study is different. To prepare students for university, we encourage independent learning and it is imperative they understand that the amount of time spent studying out of lessons is proportional to the final exam grade.