



Students studying this course say:

“If you wish to study Mathematics, a Physical Science (i.e. Physics and Chemistry) or Computer Science, Further Maths is a very enriching subject which expands Mathematical ideas met in the Core Mathematics subject and applies them to new concepts such as Complex Numbers and Mathematical Proof. Further Maths is especially important in undergraduate level Physics and Maths, as it will allow you to gain a better understanding of the underlying workings of many formulae and Physical Laws, whilst becoming familiar with methods such as Iteration ahead of the core maths modules.”

Year 13 Maths/Further Maths student

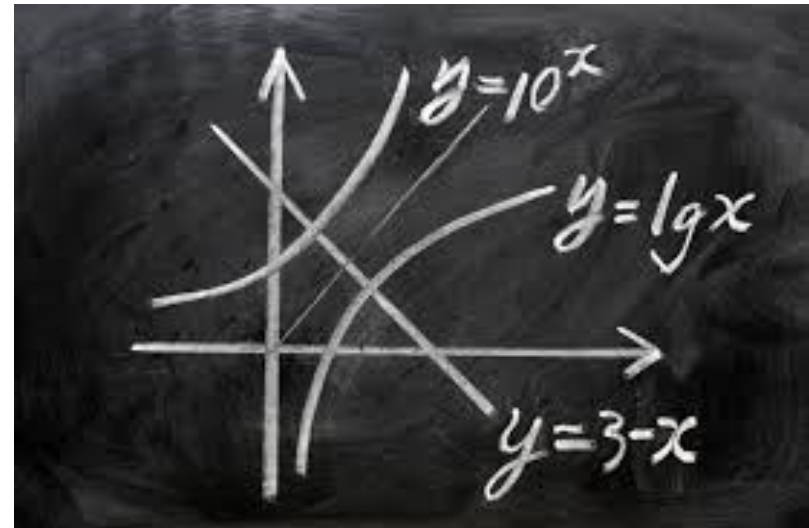


S⁺ Thomas More
Catholic Academy
FAITH | EXCELLENCE | RESPECT



Succeeding Together

Trinity Sixth Form
AS/A LEVEL
FURTHER MATHS



What is the level of course I will take?

AS Level - Level 3

How will I be assessed?

AS level Maths requires 2 modules

Core Mathematics : This is assessed with one 1 Hour 40 min paper and is based around the pure content of the course

Further Mathematics Options: This is assessed with one 1 hour 40 min paper and is based on statistics or mechanics or decision maths depending on which option is chosen.

THE AS IS A STAND ALONE QUALIFICATION AND DOES NOT COUNT TO THE A LEVEL

A2level Maths requires 3 modules.

Core Mathematics ; This is assessed with two 1 hour 30 min papers and is based around the pure content of the course..

Further Mathematics Options; This is assessed with two 1 hour 30 min papers and is based on statistics or mechanics or decision maths depending on which option is chosen

How will the course help me after Sixth Form?

An A Level in Further 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?

Core Mathematics

This looks at Complex Numbers , Numerical solutions of equations , Series , Matrices , Coordinate systems and Proof by induction. It is a further look at the Pure element at Mathematics A level.

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.

Decision

This looks at mathematical algorithms in terms of where maths can be used to evaluate problems and make mathematical choices.

How will I learn?

The course that we follow is EDEXCEL and we use the text books that follow the course.

Lessons go through examples as well as opportunities for lots of discussion with the teacher and with other pupils in the room.