

Edexcel AS and A level Mathematics



Succeeding Together

Trinity Sixth Form

Core Maths

Students studying this course say:

Nikita

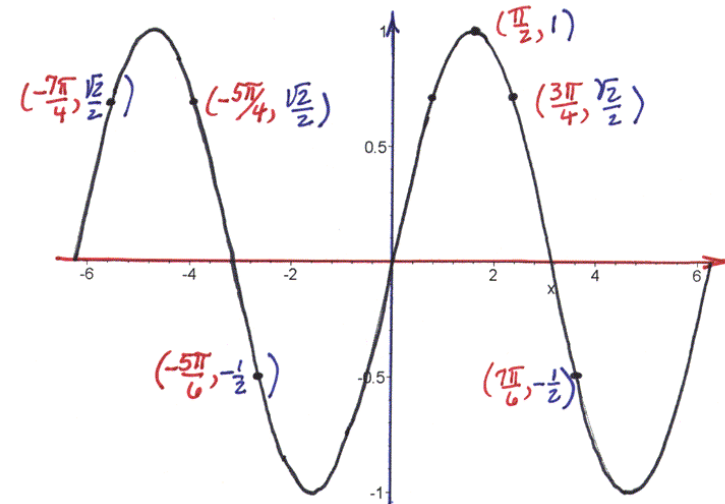
"I chose Core Maths as I knew you the topics that we would cover would further support the work that I do in Psychology. I am interested in a career in sports psychology and being able to use mathematics to analyse various aspects of sport has been both enjoyable and extremely useful".

Adam

"I have chosen to study two science subjects at A-level and knew the level of maths would be demanding. I chose core maths to help keep my knowledge and understanding up to date".

Ashwin

"I always knew that I wanted to pursue a career in Computer Science. Core maths has been brilliant in teaching my about programming and using my studies to solve real-life problems."



St Thomas More
Catholic Academy
FAITH | EXCELLENCE | RESPECT



What is the level of course I will take?

As Level - Level 3 – Edexcel

How will I be assessed?

2 written exam papers to be taken at the end of the course

Paper 1: Comprehension

Worth 40% of qualification

1 hour 40 minutes

This paper will be heavily linked to the pre-released material provided by the exam board.

Paper 2: Application

Worth 60% of qualification

1 hour 40 minutes

Both papers will assess knowledge and understanding on the four main concepts of the course: applications of statistics, linear programming, probability and sequences and growth.

Calculators are permitted in both examinations.

How will the course help me after Sixth Form?

A level 3 qualification 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 Core 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.

This course has now been recognised across universities.

What will I learn?

Applications of statistics

Correlation Coefficients

Variance and standard deviation

Linear regression

Constructing and interpreting charts and graphs

Linear programming

Simultaneous equations

Equations of lines

Drawing and solving of inequalities

Formulating and solving optimisation problems

Probability

Tree diagrams

Venn diagrams

Understanding and interpreting risk

Sequences and growth

Population modelling

Fibonacci sequence

Linear and quadratic sequences

Simple and compound interest

How will I learn?

Core Maths requires dedication and commitment. The course builds on prior knowledge from GCSE and involves applying it to real-life contexts. 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.