A Level Mathematics and A Level Further Maths

Exam board and specification: Edexcel

What you need to study this course: Grade 7 minimum in GCSE Maths (Grade 8 minimum for Further Maths)

Why you should consider this course

A Level Mathematics **and Further Mathematics** challenges you to think logically, solve problems creatively, and understand the patterns that underpin the world around us. From predicting trends to modelling real-life situations, Maths gives you the tools to make sense of complex systems. If you enjoy problem-solving, logical reasoning, or discovering elegant solutions, A Level Maths **and Further Maths are** an excellent choice that opens doors across science, technology, business and beyond.

What you will study

Year 12: Pure Maths, Statistics and Mechanics.

Year 13: Pure Maths, Statistics and Mechanics.

Pure Maths - Proof, Algebra, Functions, Coordinate geometry, Sequences and series, Trigonometry, Exponentials and logarithms, Differentiation, Integration, Numerical methods, Vectors

Statistics - Statistical sampling, Data presentation and interpretation, Probability, Statistical distributions, Statistical hypothesis testing

Mechanics - Quantities and units in mechanics, Kinematics, Forces and Newton's laws, Moments

Where can it take you?

A Level Mathematics challenges you to think logically, solve problems creatively, and understand the patterns that underpin the world around us.

- Engineer
- Banker
- Software Developer
- Accountant
- Actuary
- Financial Analyst
- Statistician
- Operations Researcher
- Data Analyst

How you will be assessed:

Exam Papers:

A-Level Maths

Paper 1: Pure Maths

Paper 2: Pure Maths

Paper 3 –Statistics and Mechanics

A-Level Further Maths

Core Pure 1

Core Pure 2

Decision

Further Pure 1