

FURTHER MATHS

EXAM BOARD: EDEXCEL



WHAT WILL I STUDY?

A Level Further Maths is designed to broaden and deepen the mathematical knowledge and skills developed when studying A Level Maths. It may be studied alongside or after taking A Level Maths and provides a stimulating experience for those who enjoy the subject. The content in A Level Further Maths can be very challenging and new to students but makes for an exciting and engaging course that fully supports students when beginning their degrees.

Further Pure 1: Proof, complex numbers, matrices, further algebra and functions, further calculus and further vectors.

Further Pure 2: Complex numbers, further algebra and functions, further calculus, polar coordinates, hyperbolic functions and differential equations.

Further Statistics 1: Linear regression, statistical distributions (discrete), statistical distributions (continuous),

Further Mechanics 1: Momentum and impulse, collisions, centres of mass, work and energy and elastic strings and springs correlation, hypothesis testing and chi-squares tests.

HOW WILL I BE ASSESSED?

Four exams lasting 1 hour 30 minutes each out of 75 each.

There will be one exam corresponding to each of the four modules above, each are equally weighted.

MINIMUM GCSE REQUIREMENTS

- Maths grade 7

POSSIBLE PROGRESSION PATHWAYS

Studying Further Maths will enable students to progress on to a variety of higher education programmes, apprenticeships or into full-time employment.

The university or employment areas include, but are not limited to:

- Maths
- Statistics
- Engineering
- Physics
- Economics
- Insurance
- Accountancy
- Computer Science
- Computer Games Design