## A LEVEL FURTHER MATHEMATICS

## Areas of Study...

- Proof
- Complex numbers
- Matrices
- Further algebra and functions
- Further calculus
- Further vectors
- Polar coordinates
- Hyperbolic functions
- Differential equations
- Trigonometry
- Coordinate geometry

Plus applied content to be decided: two out of the three Further Statistics, Further Mechanics or Discrete Mathematics.

## Why Study Further Maths?

Studying Further Maths gives you the opportunity to develop your mathematics and introduces you to areas of mathematics you have not previously explored. Students will study pure mathematical content that builds on their A Level Mathematics and applied mathematical content that will either complement their A Level Mathematics in the form of Further Statistics or Further Mechanics, or will be a new area of mathematics in the form of Discrete Mathematics.

## **Assessment**

Each paper is 2 hours, 100 marks, one third of the A Level grade.

The papers will be a mixture of short questions, single-mark questions and multi stage questions.

Paper 1 - Core Mathematics

Paper 2 - Core Mathematics

Paper 3 - Applied paper split equally between the two applied areas of study.

