



# Further Mathematics



## Course Outline

A-level Further Mathematics is studied alongside A Level Mathematics. **All Further Mathematics students must also Study A level Mathematics.**

The Course covers four units: Core Pure Mathematics 1 and 2, Further Mathematics option 1 and 2. All of which are assessed at the end of year 13, each accounting for 25% of the final grade. This is a Linear course.

**Unit 1&2 – Core Pure Mathematics 1&2:** including Matrices, complex numbers, further calculus, further trigonometry, number theory, vectors.

**Unit 3&4 – Further Mathematics Option 1&2:** Students take two optional papers. With the options available being Pure Mathematics, Statistics, Mechanics and Decision Mathematics.

The course is assessed through four 1 hour 30 mins exams.

## Exam Board

Pearson Edexcel.

## Skills Required

The level of Mathematics covered on the course means that you must have a passion for maths. This course is well suited to people that like to think logically and seek a challenge. The ability to work independently is essential as it is expected that students will complete one hour of study for every lesson. A-Level Further Mathematics students must show exemplary initiative, as they are required to come along and ask questions when necessary. Students who do this course are highly motivated and possess good problem solving skills. They readily incorporate new information and take on board the advice of their teachers.

## Entry Requirement

- Students are expected to have a grade 7 or above in GCSE maths.
- Students must also be studying A level Mathematics.

## Future opportunities

A Level Further Mathematics is one of the most highly respected A Levels. It is highly desired by top universities and employers. Especially in fields with significant mathematics content such as Engineering and Physics.