



FURTHER MATHS

Qualification: A-Level

Overview of subject:

Further Mathematics is taken in addition to A Level Mathematics and is designed to stretch and challenge the most able Mathematicians in preparation for university courses in Mathematics and related quantitative and scientific subjects.

Topics studied in the syllabus include:

- Complex Numbers
- Polar Coordinates
- Matrices and Vectors
- Hyperbolic Functions
- Further Calculus
- Differential Equations
- Statistics
- Mechanics

The course might be of interest to:

Students who really enjoy Mathematics lessons and relish being challenged. Students will need excellent skills of reasoning and logic and will be fluent in algebraic methods. Students will need to gain at least a grade 8 in GCSE Mathematics and need to be prepared for fast-paced lessons and the requirement to work hard independently outside the classroom.

Potential future pathways:

There is a shortage of British Mathematics graduates (www.moremathsgrads.org.uk) and A Level Further Mathematics is excellent preparation for studying Mathematics at university.