Further Maths

Course Summary

We follow Pearson Edexcel Level 3 Advanced GCE in Further Mathematics (9FM0). Students study pure mathematics and applied units in further statistics and further mechanics over two years. The topics covered build on each other lesson by lesson; students must therefore show real commitment to the course with regard to

Why study this subject?
Further Mathematics is an additional A Level qualification taken in addition to the Mathematics A Level. This is a highly challenging and highly regarded course. This qualification both broadens and deepens the mathematics covered in A Level Mathematics and, for someone who enjoys mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts.

What happens in lessons?
The A Level Further Maths teachers are very experienced and passionate about their subject areas and deliver well-paced and challenging lessons, which demonstrate a broad range of activities to effectively cater for all learning styles. These include individual and group tasks, class discussions and exam practice. There is no coursework element in the course.

What students say:
"A somewhat challenging but very rewarding experience."

Entry Requirements:
To study Further Mathematics you will need at least a Grade 7 at

Course Assessment

AS
Two papers, each 1 hour 40 minutes, 80 marks and represent 50% of the qualification.
Paper 1: Core Pure Mathematics covers proof, complex numbers, matrices, further algebra and functions, further calculus, further vectors.
Paper 2: Statistics covers discrete probability distributions, Poisson & binomial distributions, chi squared tests, momentum & impulse, work, energy & power, elastic collisions in one dimension.

A Level
Four papers: each 1 hour 30 minutes, 75 marks and represents 25% of the qualification.
Papers 1 and 2: Core Pure Maths
Paper 3: Further Statistics
Paper 4: Further Mechanics

What to do afterwards
Studying Further Mathematics is excellent preparation for University, especially for studying Mathematics related subjects e.g. Engineering, Computing. It can lead on to Engineering, Astronomy, Electronics, Technology and Programming, Surveying, Banking, Accountancy, Architecture, Medicine, Teaching, Operational Research, Statistical and Actuarial work.

“If you really enjoy Maths you’ll love Further Maths.”

“A somewhat challenging but very rewarding experience.”