Further Mathematics AS & A2 Level:

Entry Requirements:	Candidates for AS and/or A Level Further Mathematics are expected to have already obtained (or to be obtaining concurrently) an AS and/or A Level award in Mathematics.
Course Content:	As maths is such a vast subject it is impossible to cover it all in one A Level. Hence Further Maths develops some of the concepts met in A Level Maths and brings it to a higher plain. It attracts students who thoroughly enjoy the subject and are keen to extend their understanding and knowledge. The following content is a sample of the topics you will study in Further Mathematics.

AS Level – Year 1	**A2 Level – Year 2**
MFP1 Further Pure Mathematics 1 MD02 Decision 2 MM1B Mechanics 1B (without coursework) Algebra and Graphs Complex Numbers Series Calculus Numerical Methods Trigonometry Matrices and Transformations Roots and Coefficients of a quadratic equation	MFP2 Further Pure Mathematics 2 MFP4 Further Pure Mathematics 4 MM2B Mechanics 2B Roots of Polynomials Complex Numbers De Moivre's heorem Proof by Induction Finite Series Hyperbolic Functions Series and Limits Polar Coordinates Differential Equations Matrix Algebra Determinants Linear Independence Solution of Linear Equations Vectors and Three-Dimensional Coordinate Geometry The Calculus of Inverse Trigonometrical Functions Arc Length and Area of surface of revolution about the *x*-axis

Progression into careers via:	At either A2 or Degree Level Maths can open a wealth of unexpected careers. You will be seen as someone with logic and problem solving skills, which are, of course, transferable into almost any career. Your clear strengths will be anything involving numerical or abstract concepts such as Accountancy or Computer Software Design but many students who have followed Maths courses are also recruited into less obviously related careers such as Fashion, Marketing, Architecture and Law.
Further Information:	Must be tackled with enthusiasm. Expect a significant jump in the level of work from GCSE, as course becomes much more abstract and algebraic. Hard work, but rewarding. For further information, speak to the Head of Maths at your school.
Length of Course:	**AS** One-year, which can be extended to the full A Level by completing the second year. **A2** Two years.
Examination Board:	AQA
Periods Per Week:	Up to 5 Hours per week

For further information,
please contact:

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