Key Stage 5 - Level 3 Further Mathematics

Year 1:

Exam Information
Exam Board and Specification Number:
Edexcel: 8FM0
Click here for the link to the exam board specification website.

How is the Subject Assessed?	
These are the Unit Codes and their percentage weighting in Year 1	
Paper 1: 8FM0/01 [50%]	*Assessed by a 1hr 40min examination in the Summer Term.*
Paper 2: 8FM0/02 [50%]	*Assessed by a 1hr 40min examination in the Summer Term.*
If students are on an A Level programme the above exams will be internally assessed.	

Year 1
These are the Units of Work / Modules we study in Year 1
Unit 1 – Core Pure Mathematics
Topics that you will study include: Proof, Complex numbers, Matrices, Further algebra and functions, Further calculus, and Further vectors.
Unit 2 – Options 2B (Further Pure Mathematics 1 and Further Statistics 1)
Students will study Coordinate systems, inequalities, Poisson distributions and hypothesis testing.

Entry Requirements
Students must complete the Year 12 Summer Preparation Task before beginning the course.
The minimum entry requirement will be six GCSE qualifications at grade 5 - 9 including English Language. In addition to this, students will have a grade 7 or above in Mathematics and Grade 5 - 9 [M2 - D2] in related subjects e.g. Statistics and Further Maths.

Useful Resources for this subject
Links to useful resources to prepare you for this subject:
Glossary of Technical Terminology   Recommended Texts   Past Exam Papers   Mathematics Related Articles   Maths VIP Zone

Progression
Progression Route, Higher Education & Career opportunities:
Students will progress into Year 2 during which you have the opportunity to gain an A Level qualification in this subject.   Level 3 qualifications in Further Mathematics will enable students to enter degree courses related to engineering, data analysis, architecture and computing.   Click here for information on Careers in Mathematics

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Year 2:

Exam Information
Exam Board and Specification Number
Pearson Edexcel: 9FM0
Click here for the link to the exam board specification website.

How is the Subject Assessed?		
These are the Unit Codes and their percentage weighting in Year 2		
Paper 1: 9FMO/01	**[25%]**	*Assessed by a 1 hour 30 mins examination in the Summer Term.*
Paper 2: 9FMO/02	**[25%]**	*Assessed by a 1 hour 30 mins examination in the Summer Term.*
Paper 3: 9FMO/3A	**[25%]**	*Assessed by a 1 hour 30 mins examination in the Summer Term.*
Paper 3: 9FMO/3B	**[25%]**	*Assessed by a 1 hour 30 mins examination in the Summer Term.*

Year 2
These are the Units of Work / Modules we study in Year 2
Unit 1: Core Pure Mathematics 1: As well as revision of Year 1 topics, other topics you will study include: Further Trigonometry.   **Unit 2: Core Pure Mathematics 2:** As well as revision of Year 1 topics, other topics you will study include: Further Calculus.   **Unit 3: Further Pure Mathematics 1:** As well as revision of Year 1 topics, other topics you will study include: Further differential equations   **Unit 4: Further Statistics 1:** As well as revision of Year 1 topics, other topics you will study include: Central limit theorem.

Entry Requirements
The minimum recommended entry requirement is a D grade pass at AS Level [Year 1]

Useful Resources for this subject
Links to useful resources to prepare you for this subject
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Progression
Progression Route, Higher Education & Career opportunities
Level 3 qualifications in Mathematics will enable students to enter degree courses related to statistics, finance, engineering and medicine.   Click here for information on Careers in Mathematics