

Further Mathematics

Awarding body: Edexcel

Course entry requirement: GCSE grade 8/9

Course description: Mathematics in the sixth form at St Thomas More Catholic School is offered at a variety of levels. This enables students to choose the course or level of qualification which best accompanies their other subject choices. Students can choose from; Further Mathematics, A Level Mathematics, and A/S Mathematics

Students who study Further Mathematics must also study Mathematics, which means they will have a particular interest and enjoyment in mathematics.

The Casio FX-991EX ClassWiz Advanced Scientific Calculator is required for this course and will be available from the school for £20

Qualification: AS

Method of assessment: Examination

Duration: 1 year course

Specification and units of study:

Specification no.: 8FM0-2F

Paper 1: Core Pure Mathematics

Written examination: 1 hour and 30 minutes

50% of the qualification

80 marks

Paper 2: Further Statistics 1 and Decision Mathematics 1

Written examination: 1 hour and 30 minutes

50% of the qualification

80 marks

Qualification: A-Level

Method of assessment: Examination

Duration: 2 year course

Specification and units of study:

Specification no.: 9FM0

Paper 1: Core Pure Mathematics 1

Written examination: 1 hour and 30 minutes

25% of the qualification

75 marks

Paper 2: Core Pure Mathematics 2

Written examination: 1 hour and 30 minutes

25% of the qualification

75 marks

Paper 3: Decision Mathematics 1

Written examination: 1 hour and 30 minutes

25% of the qualification

75 marks

Paper 4: Further Statistics 1

Written examination: 1 hour and 30 minutes

25% of the qualification

75 marks

Opportunities for progression and career prospects:

Further Mathematics qualifications are highly regarded and are warmly welcomed by universities. Students who take Further Mathematics are really demonstrating a strong commitment to their studies, as well as learning mathematics that is very useful for any mathematically rich degree. Some prestigious university courses require you to have a Further Mathematics qualification and others may adjust their grade requirements more favourably to students with Further Mathematics

If you are planning to take a degree such as Engineering, Sciences, Computing, Finance/Economics, etc., or perhaps Mathematics itself, you will benefit enormously from taking Further Mathematics, at least to AS level. AS Further Mathematics introduces new topics such as matrices and complex numbers that are vital in many STEM degrees. Students who have studied Further Mathematics find the transition to such degrees far more straightforward