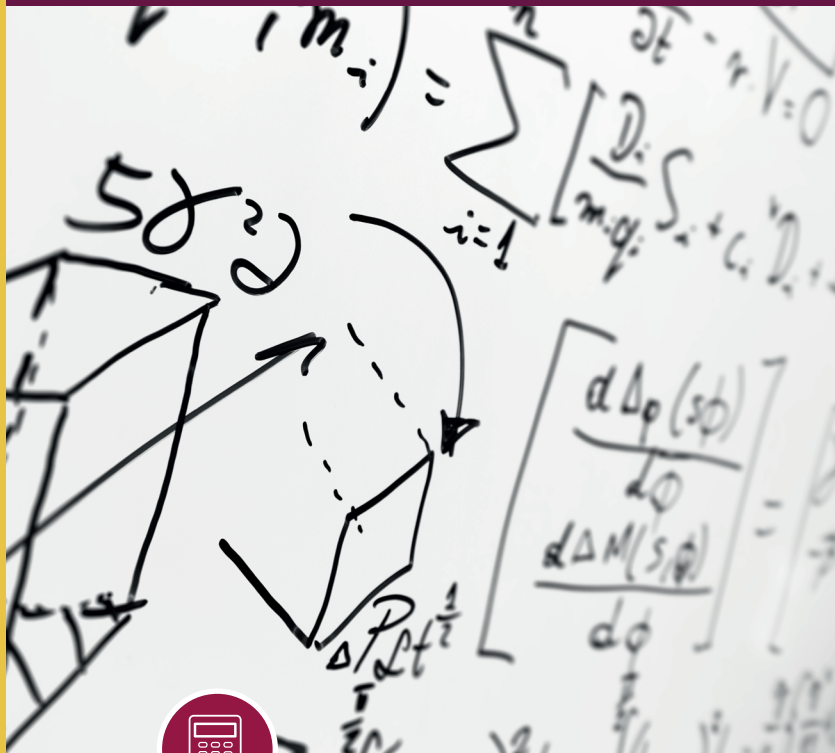


Pearson Edexcel Specification: 9F/M0

Further Mathematics

Further Mathematics is a full A Level qualification which both broadens and deepens the mathematics covered in A Level Mathematics.

Further Mathematics is designed to be learnt alongside A Level Mathematics.



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Austin Friars exists to provide excellent education inspired by our Augustinian values.

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AUSTIN FRIARS

Why choose A Level Further Mathematics?

A Level Further Maths is useful and sometimes essential for many higher education courses and careers, including undergraduate courses in engineering, computer science and actuarial science.

Many mathematics departments encourage students to take Further Mathematics at A Level as it introduces a wider range of pure and applied content, such as matrices and complex numbers. Students who have studied Further Mathematics often find the transition to university far more straightforward. Some leading universities now specify Further Mathematics as an entry requirement for their mathematics degrees.

Course Details:

Further Mathematics is suitable for those who have a natural flair for mathematics. Students attend lessons with the mathematics group and, in addition, have 8 lessons per week when they cover the Pearson Edexcel Further Mathematics syllabus. It is a demanding and challenging course, but one of the most highly regarded of the A Levels. It is counted as a full, separate A Level by universities.

Topics studied on the course include complex numbers, differential equations, projectiles, hyperbolic functions, matrices, areas and volumes of revolution, critical path analysis and circular motion. Pupils will sit the Pearson Edexcel A Level Further Mathematics exam.

Any student planning to take a mathematics-rich degree (this covers a very wide range of academic areas - engineering, the sciences, computing, finance/economics etc., as well as mathematics itself) will benefit enormously from taking Further Mathematics. Many universities are now encouraging students to take Further Mathematics qualifications to improve their preparation for degree courses in mathematics-dependent subjects. Some leading universities are now specifying Further Mathematics as an entry requirement for such courses.

Students who are not planning to study for mathematics-rich degrees but who are keen on mathematics will find Further Mathematics a very enjoyable course and having a Further Mathematics qualification identifies students as having excellent analytical skills, whatever area they plan to study or work within.