

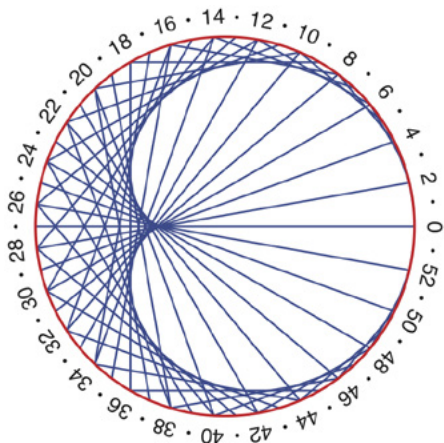
FURTHER MATHS

Edexcel 9FM0

Personal Qualities

Success in Mathematics at this level requires a commitment to consistent work throughout the course. Written assignments will be set each week and, due to the hierarchical nature of the subject, it is essential that these are completed and understood. If difficulties occur, the staff of the department are always willing to offer extra help and advice.

It is also necessary to be well organised and motivated to learn new techniques and methods. Most problems require the use of new knowledge, which can only be acquired by putting in appropriate time and effort. When one has acquired the knowledge and skills, many problems are relatively and sometimes surprisingly easy.



Why take Further Maths?

Students should consider doing this course if Mathematics is a subject they particularly enjoy and if they are considering studying Mathematics, or another subject with a high mathematical content such as Physics or Engineering, at degree level. Many university maths 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.

Former students who have selected this option testify to the value of Further Mathematics and the advantage they felt it gave them in the early stages of their degree courses, and making the transition to university more straightforward.

What will I study?

You will have 10 hours of Maths lessons each fortnight with two teachers. One teacher will cover all the Pure content, this extends your knowledge from A-Level maths. You will delve into Algebra, Geometry and Calculus. Your second maths teacher will cover the Applied content, this is equally split between Mechanics, Statistics and Decision Maths.



Links to other courses

Further Maths is ideal for students passionate about pursuing mathematics, strong in algebraic manipulation and problem-solving, and considering university degrees in highly numerate disciplines like Maths, Engineering, or Physics.

Further Maths - the AS Qualification

As a student of Further Maths, your learning and journey will be supported by sitting the AS award at the end of Year 12. Your teachers will help you prepare suitably for this.

Further Maths is often (but not always) taken as a fourth subject so this opportunity will allow you to reflect on your learning at the end of Year 12 and is a supportive springboard to further study in Year 13.