

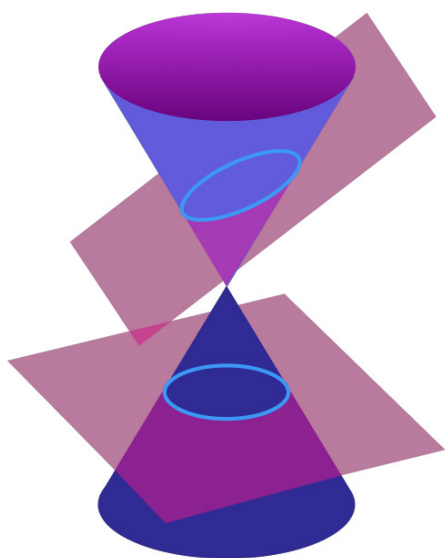
FURTHER MATHS

at SCGSG



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. 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.



Why take Further Maths?

The new A-Level in Further Mathematics will consist of the study of pure mathematics including further study of Algebra, Geometry and Calculus alongside more advanced applied mathematics possibly consisting of mechanics, statistics and decision.

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 imaginary numbers and study geometry in three dimensions. Your second maths teacher will cover the applied content, this is equally split between Statistics and Decision Maths.

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.

