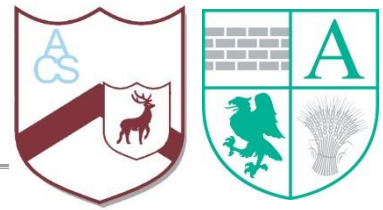


Further Mathematics



Exam Board: Edexcel

Type of qualification: A level

Level of Course: 3

Aim of Course

The aim of the course is to develop a deeper understanding of further mathematics and an ability to use it in a variety of contexts, while extending mathematical thinking and problem solving. Further Mathematics is a facilitating subject, approved by Russell Group universities. It is a preferred course for studying Mathematics, Physics and Engineering, and would also feed into courses in Chemistry and Economics

Course Content

Further Mathematics builds on the skills, knowledge and understanding set out in both the GCSE and Advanced level subject content for mathematics. You need to study A level Mathematics as well in order to access the topics covered. The syllabus is designed to stretch your imagination, allow you to question your thinking and strengthen your ability to provide rigorous proofs. You will need draw together different topic areas and understand how they are inter-related to problem solve and model at the highest level.

Mode of Assessment

There are four externally examined papers of 1½ hours each. Each paper is worth 25% of the final grade:

- Paper 1: Core Pure Mathematics 1
- Paper 2: Core Pure Mathematics 2
- Paper 3: Further Mathematics Option 1
- Paper 4: Further Mathematics Option 2

For papers 3 & 4, the modules studied are chosen from the three application areas of statistics, mechanics or decision mathematics or could be additional pure topics.