

A LEVEL FURTHER MATHEMATICS



Course description

Awarding Body: OCR MEI

<https://www.ocr.org.uk/qualifications/as-a-level-gce/further-mathematics-b-mei-h635-h645-from-2017/>

Examinations

The exams are sat at the end of Y13: Pure Maths (2h 40m), Statistics, Mechanics, Decision (all 1h 15m).

Non Examined Assessment

None

Course content

This course is for those who really enjoy the subject or are thinking of doing a Maths or Maths-related degree. You must take A Level Maths as well. This gives a very broad coverage of the subject. You end up with two full A Levels. In addition to the Maths content, you take more Pure and Applied topics in Further Maths. In Year 12 the Applied topics are from Statistics and Decision Maths (which is used in industry and management and solves problems like “How can I make the maximum profit in a scenario given a series of constraints”). You then do some more Mechanics in Y13. Students may decide to opt for the AS Level exam at the end of Year 12. The AS Level exam is made up of three papers; each one is one hour fifteen minutes. Students intending to complete the full A Level will sit 3 AS Level papers as an internal exam at the end of Y12. You will need to pass this exam to go on to the second year of A Level.

Entry requirements

Grade 8 or 9 at Maths GCSE. Please note that you do need to fully understand the algebra of GCSE to succeed at A-level.

Future opportunities

Like Maths A Level, Further Maths is also highly regarded by universities and employers and is particularly useful for those hoping to study any scientific or technological degree. It is an essential part of a plethora of careers. It provides an excellent training in logical thought and the ability to reason analytically.

There are about 12 student subject leaders appointed in Maths who run clubs and mentoring sessions for younger students, give individual support at lunchtime, help administrate our one to one mentoring service and represent the department.

There are classes for STEP and other university entrance papers.

Students take the Senior Maths Challenge. Some progress to the national second round.

Students attend local school lectures and central London events as they arise.

Further Maths gives you the choice to do more maths and broaden the branches you study as a great preparation for a Maths degree or those in Computer Science, Engineering or Physics.

Further information

Our results in both Maths and Further Maths are consistently high and we are proud that so many students choose a Maths degree as well as many more doing a related subject with high maths content. In Further Maths 47% achieved an A* or A and 88% an A*, A, B or C.