



Bloxham School

Mathematics & Further Mathematics

A level





Why choose this subject?

A level Mathematics is an excellent qualification for continuing the study of mathematics at university and can lead to a rewarding career in finance, engineering, economics or a wide range of other industries.

Studying mathematics also supports the study of A level Physics, Psychology, Geography, Business & Economics and many other subjects.

The content is interesting and varied, ranging from pure modules to statistics and mechanics, as well as decision maths in the Further Mathematics course.



The nature of the course

- Examination board: Edexcel (Pearson)
- Course contents: An A level in Mathematics will help develop your understanding of mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment to develop abilities to reason logically. This course will allow you to see how different areas of mathematics are connected, recognise how a situation may be represented mathematically, and understand how it related to 'real world' problems. You will enhance your problem-solving skills, learn mathematical techniques and use them in solving these 'real world' problems.



Examination structure (Mathematics)

The A level course is assessed by three exams at the end of the two years, of equal weighting and length of time (2 hours).

The results of each exam are then amalgamated to give an overall result in A level Mathematics.

Paper 1: Pure Mathematics

Paper 2: Pure Mathematics

Paper 3: Statistics & Mechanics

Examination structure (Further Mathematics)



The A level course is assessed by four exams at the end of the two years, of equal weighting and length of time (90 minutes).

The results of each exam are then amalgamated to give an overall result in A level Further Mathematics.

Paper 1: Core Pure Mathematics 1 (compulsory)

Paper 2: Core Pure Mathematics 2 (compulsory)

Papers 3 & 4: schools are able to choose from a range of modules.



What do we expect from candidates?

Bridging units are in place prior to the start of the course to support the smooth transition from GCSE to A level Mathematics.

Entry requirements (Maths): grade 7 at GCSE and at least 60% in the suitability assessment.

Entry requirements (Further Maths): grade 8 at GCSE.

Mathematics is a demanding subject at A level, but it is incredibly rewarding. Students need to be dedicated, well-organised and be proactive in seeking additional help and support when required.



With which subjects can it be combined?

An A level in Mathematics can be combined with the sciences or arts. Being able to analyse data and demonstrating logical reasoning are key skills.

Traditionally, A level maths students often have a science-based subject, business, geography, economics or psychology on their timetables.

Note: to study Further Mathematics you must also study A level Mathematics.



How is the course taught?

Mathematics

10 lessons per fortnight.

- 6 pure lessons – teacher A.
- 4 applied lessons – teacher B.

Further Mathematics

16 lessons per fortnight.

The A level maths course is taught in the first year and then the further maths content is taught in the second year.

Students usually have 3 teachers who each have responsibility for chosen modules.

Teaching Staff



Mr SN Moulder, Mr DR Best, Mr MJM Moir, Mrs HE Woodward, Mrs C Bridge, Mrs A Bowden

For further questions about the course, please contact:

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