

Maths

Exam Board: AQA

Syllabus: 8300

What will I learn?

The study of maths aims to help you develop confidence in, and a positive attitude towards mathematics and to recognise the importance of mathematics in your own lives and to society. Success in Maths requires a disciplined approach to study. Being able to understand and use numbers and mathematical concepts will be a valuable asset for many careers.

This specification aims to enable you to

- develop fluent knowledge, skills and understanding of mathematical methods
- acquire, select and apply mathematical techniques to solve problems
- reason mathematically, make deductions and inferences and draw conclusions
- comprehend, interpret and communicate mathematical information

During the two years, opportunities will be provided for you to

- use and apply standard techniques
- reason, interpret and communicate mathematically
- solve problems within mathematics and in other contexts

How will I be assessed?

You will be entered for the Higher tier (grades 4 – 9) which consists of three written papers. Content from any part of the specification may be assessed on any of the papers. On each paper there will be a mix of question styles, from short, single-mark questions to multi-step problems. The mathematical demand increases as you progress through the paper.

Each written paper is 1 hour 30 minutes and is worth 80 marks, which is 33⅓% of the GCSE Mathematics assessment.

Paper 1 is non-calculator and Papers 2 and 3 allow a calculator to be used.

The Subject content is split into 6 areas:

- 1 Number
- 2 Algebra
- 3 Ratio, proportion and rates of change
- 4 Geometry and measures
- 5 Probability
- 6 Statistics