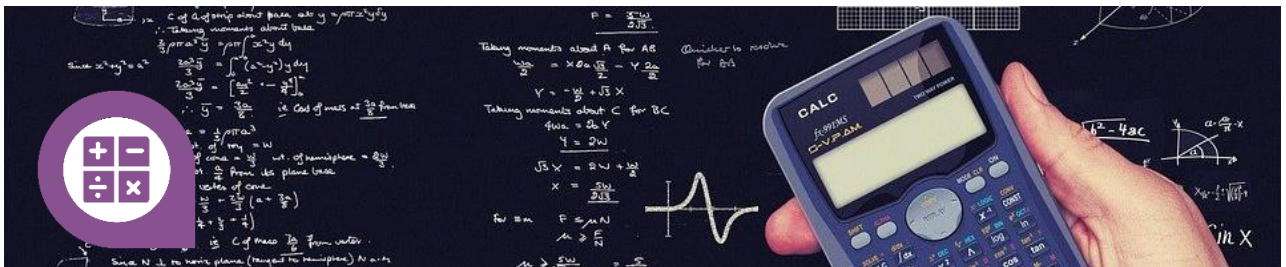


# MATHEMATICS

GCSE



**Examination Board:** AQA  
**Subject Leader(s):** Miss S Eustis



## Course Structure

Topics/Unit Title	Assessment	Weighting(%)
Foundation (Grades 1 - 5) Higher (Grades 4 - 9)	Paper 1 Non Calculator - 1 hour 30 mins - 80 marks	33 1/3%
	Paper 2 Calculator - 1 hour 30 mins - 80 marks	33 1/3%
	Paper 3 Calculator - 1 hour 30 mins - 80 marks	33 1/3%

## Further Study/Employment Prospects

GCSE Grade	Further Study	
7 - 9	A Level Mathematics A-Level Further Mathematics Level 3 Core Maths	As technology continues to advance, so too does mathematics, increasing its essential role in both everyday and corporate life. A strong qualification in Maths will open more opportunities to forge a career that's at the forefront of technological advancement. Some of the most interesting and well-paid careers revolve around Maths. Careers in finance, medicine, engineering, and business are all open to people with a background in Mathematics, as are careers in technology — Maths being at the very core of all new technological developments.
6	A Level Mathematics Level 3 Core Maths	
5	Level 3 Core Maths	

## What does the course involve?

Foundation Tier is

25% Number  
 25% Ratio, Proportion and Rates of Change  
 20% Algebra  
 15% Statistics and Probability  
 15% Geometry and Measures

Higher Tier is

30% Algebra  
 20% Ratio, Proportion and Rates of Change  
 20% Geometry and Measures  
 15% Number  
 15% Statistics and Probability

## Skills you will develop

- Fluency in the fundamentals of mathematics, development of conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Reasoning mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- Solving problems by applying mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.