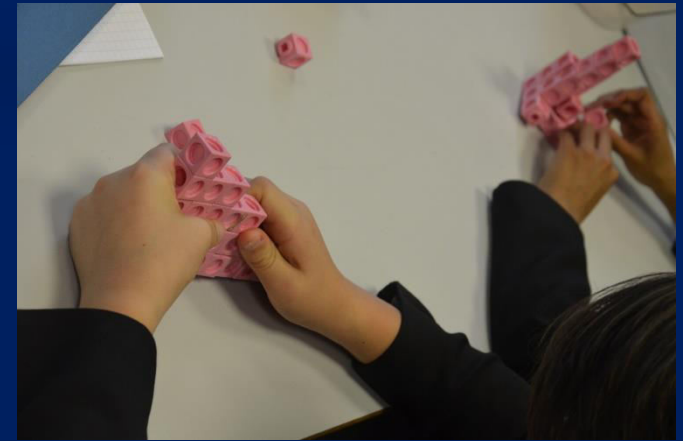
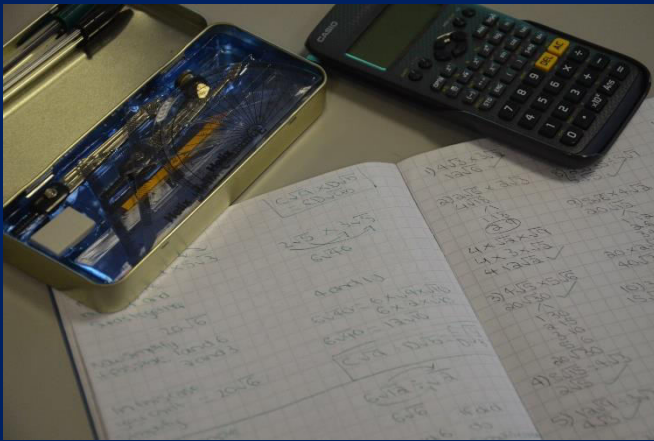


# Welcome to GCSE Mathematics



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*Aiming High Since 1927*

# Specification Info

- We use the AQA GCSE MATHEMATICS (8300) [Specification](#)
- The Higher tier covers grades 9 down to 5
- The Foundation tier covers grades 5 down to 1



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# What you will learn

- It covers all aspects of mathematics in 6 strands
  - Number
  - Algebra
  - Ratio and rates of change
  - Geometry and measures
  - Probability
  - Statistics
- These are separated into and taught in units as they are in year 9
- You will need to learn the mathematical formulae required
- You will develop your reasoning and problem solving skills where you will apply the mathematical facts



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# How you will be assessed/question types etc

- There are three exam papers taken at the end of the course in year 11
- Each paper lasts 1 hour and 30 minutes
- Paper 1 is non-calculator
- Papers 2 and 3 are both with a calculator
- Each paper is worth 80 marks with a total of 240 marks available
- The total number of marks from all 3 papers will determine your grade
- There is a mixture of question styles, from short, single-mark questions to multi-step problems
- The mathematical demand increases as you progress through the paper

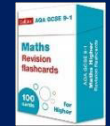
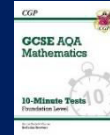
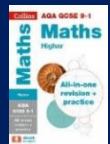


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# Resources/example questions/tasks

- Calculator and maths equipment are essential resources
- The department also offers a variety of additional resources
  - Collins AQA GCSE Revision and Practice book
  - Collins GCSE Maths Grade specific Booster Workbook
  - Collins Maths GCSE Revision cards
  - CGP GCSE Maths AQA 10 minute test books
  - Piximaths.co.uk printed revision booklet
- Sparx maths website used for Home Learning



9 Circle the expression for the range of  $n$  consecutive integers.

[1 mark]

$$\frac{n+1}{2}$$

$$n-1$$

$$n$$

$$n+1$$



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# Skills developed

- Reasoning and explaining how and why something is correct or not
- Problem solving in all areas of maths
- Exam technique
- Independence
- Resilience
- Team work



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# Careers/Next steps

- Every job role requires a level of maths
- Your GCSE maths grade will be required on every application form for the rest of your lives
- If you do not secure a grade 4 or better you will be required to retake at college



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# Where can you find more information?

- On twitter @WH\_Maths
- On the school website
- From your maths teacher



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