

Subject: Mathematics

Qualification: GCSE

**Exam Board: Edexcel
Specification Code: 1MA1**



Who is the course for?



GCSE Mathematics will develop knowledge, skills and understanding of mathematical methods and concepts, including working with numbers, algebra, geometry, measures, statistics and probability for all learners.

What will I learn?

- Problem Solving in a range of familiar and unfamiliar contexts, including those drawn from real life and other areas of the curriculum.
- Activities that provide frequent opportunities to demonstrate understanding through reasoning, explaining strategies and use of technology that targets individual needs .
- Activities which involve carrying out practical work with geometrical objects, visualising them and working with them physically.
- Practical work which requires drawing inferences from data, considering how statistics are used in real life to make informed decisions, and recognising the difference between meaningful and misleading representations of data.
- Activities focused on the major ideas of statistics, including using appropriate populations and representative samples.
- Extending mental and written calculation strategies and using efficient procedures confidently in mathematical and non mathematical contexts.
- Early interventions with exposure to exam style questions/problem solving questions

How will I be assessed?



There are three written papers: each contributes 33 $\frac{1}{3}$ % to the final grade.

Paper 1 — non calculator

Paper 2 — calculator

Paper 3 — calculator

Each paper carries a total of 80 marks and has a duration of 1 hour and 30 minutes. Students will sit either the Higher tier where grades range from 9 to 3 or the Foundation tier where grades range from 5 to 1. Students are required to sit in the same tier for all three papers.

Will there be any additional support to help improve my maths skills outside of lessons?

Yes

- There is Mathswatch which offers a wide range of videos on the skills necessary for your GCSEs. Each student has an individual login and it is accessible on any device with the internet.
- There is TT Rock Stars which provides times table practice in a fun and exciting way.
- Maths clinic runs every Wednesday in Room 311 after school for extra support for students.