

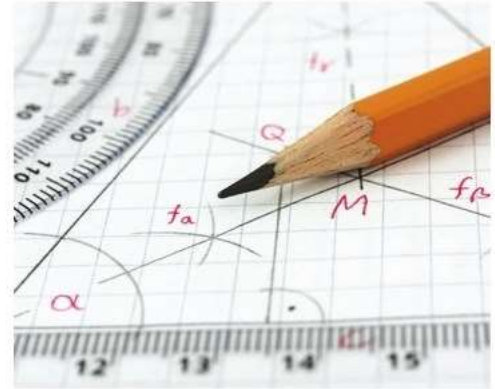
## SUBJECT

# Mathematics GCSE

**DEPARTMENT**  
Mathematics

**QUALIFICATION**  
GCSE Grades 9-1

**EXAM BOARD**  
Edexcel



GCSE Mathematics is a core subject and is therefore compulsory for all students. The set you are placed in is dependent on your prior attainment in the subject, as well as your potential.

### How is the course assessed?

For both tiers, Foundation and Higher, students will follow the linear syllabus with Edexcel. There are three exams at the end of the course, one non-calculator and two calculator. All exams are 1 hour 30 minutes long. A final grade is then awarded based on the combined marks of all papers.

### What subject specific topics are covered during the course?

Core topics include: number, algebra, ratio, proportion and rates of change, geometry and measures, probability and statistics.

### What are the expected outcomes from the course?

This qualification in Mathematics encourages students to develop the confidence to make informed decisions about the use of technology and the management of money. It will also provide an extensive range of future career choices.

### What can students use the course for?

Mathematics teaches patience, discipline and step-by-step problem solving skills. For those with a substantial background in Mathematics, an unlimited number of career opportunities are available. Careers that require a very strong background in Mathematics are:

- Software Engineer
- Actuary
- Computer Systems Analyst
- Computer Programmer
- Mathematician
- Engineer
- Scientist
- Accountant
- Statistician

Almost all of the top fifty jobs in the 'best' jobs list involve mathematical reasoning and knowledge.