

# Mathematics

## GCSE

Mathematics is a core subject studied by all students

### What will I study?

There are five main areas of study:

- Number
- Algebra
- Geometry & Measures
- Statistics and Probability
- Ratio, Proportion and Rates of Change

### What qualification will the course lead to?

Edexcel GCSE Mathematics

### How would it help me in the future?

Maths is not just an essential skill for life but will also open the doors to many careers and any higher education pathway. Studying maths will develop problem-solving skills, logic, reasoning, communication and resilience.

### How will my work be assessed?

The course will be assessed by 3 exams each lasting 90 minutes.

Paper 1	Non-calculator
Papers 2 & 3	Calculator

The exams will cover all of the above mentioned areas. Problem-solving and mathematical reasoning will be tested to a far greater extent.

### Will all of my study be in school?

We expect students to study in school and to complete all homework. You should also study independently at home. We recommend using revision guides, Tassomai, Maths Genie <https://www.mathsgenie.co.uk/gcse.html> and Corbett Maths <https://corbettmaths.com/>.

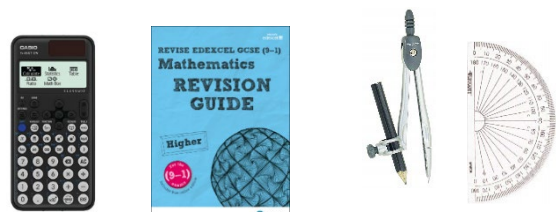
### How will it be similar to what I have done in Year 9?

It will build on your prior learning and develop your understanding of the rich connections between the five key areas of maths.

### How will it be different?

You will need to memorise key formulae and develop your problem-solving and reasoning skills.

### What will be especially important for me to succeed on the course?



A Scientific Calculator – Casio Classwiz FX-85GTCW, a pair of compasses, protractor, ruler, pen and pencil.

But most importantly a good work ethic and a positive mentality are absolute essentials!

### Who are the best people to see for more information?

Mrs Charlton (Assistant Head - Mathematics), Ms Stapley (Assistant Faculty Leader) or any member of the maths team.

