

# Mathematics

GCSE

## General Information

From autumn 2017, we follow the 9-1 Mathematics GCSE, where entry can be at Foundation Tier (possible grades 1 to 5) or Higher Tier (possible grades 4 to 9). The course tests your knowledge of mathematical topics in five areas:

- Algebra
- Number
- Ratio, proportion and rates of change
- Geometry and measures
- Statistics and probability

It also tests your ability to apply this knowledge to real life situations and the new course has a particular emphasis on problem solving, where you must break down a longer question into smaller, more manageable, steps and set out your methods clearly

### Entry requirements

If you have not achieved a grade 4 (or a C on the previous specification) in GCSE Mathematics, you will normally join a GCSE class as one of your courses when you start at the college.



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### Examination details

There are three papers, which count equally towards your grade. Each one lasts for 1 hour 30 minutes.

In two of the papers you are allowed to use a calculator.

The main exam sitting is in May and June, but it is possible for some students to take the exam in November with the agreement of their teacher.

### Careers / HE information

In most cases, employers and universities will expect students to have at least a grade 4 (or a C on the previous specification) in GCSE Mathematics.

The ability to solve problems and to work with numerical information is an important skill and the course offers you a useful second chance to demonstrate this.

### How it is taught

You will have four lessons a week. Teaching will be through whole class, group or paired work on topics from the syllabus or individual work. Your teacher will help you to identify topics that you need to practise individually and we have videos and websites, particularly Mathswatch, to help you do this.

There will be regular assessments of your progress using exam papers and exam standard questions

### Useful / common subject combinations

Students take GCSE Mathematics as one of their subjects along with a wide range of other GCSE or advanced courses.

QE