

# Core Subject

**Subject: Mathematics (Edexcel)**

## Introduction

GCSE Mathematics is a linear course studied by all students in years 10 and 11. Students continue to be taught in sets which are reviewed regularly over the two years. The qualification builds on the content, knowledge and skills developed in the Key Stage 3 Programme of Study for Mathematics.

## Aims of the Subject

The aims and objectives of the course are to enable students to:

- develop fluent knowledge, skills and understanding of mathematical methods and concepts
- acquire, select and apply mathematical techniques to solve problems
- reason mathematically, make deductions and inferences, and draw conclusions
- comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context

## Coursework

There is no coursework for GCSE Mathematics.

## Assessment

GCSE Mathematics (9-1) will be assessed through three equally weighted written examination papers at either the Foundation or the Higher tier. Paper 1 is a non-calculator paper and the first assessment under the new specification was in May/June 2017. The Foundation tier enables students to achieve grades 1-5 whereas the Higher tier enables students to achieve grades 4-9. Under the new specification there is a greater emphasis on problem solving and mathematical reasoning.

## Useful Resources and Further Information

<https://www.mymaths.co.uk/> is the online platform used for setting homework. There are a number of other online resources available to support students with their progress in Mathematics. Please contact Mr Fraser, Director of Mathematics, for further information.