



# MATHEMATICS

## GCSE

### CORE SUBJECT

EXAMINATION BOARD: EDEXCEL

AWARD CODE: 1MA1 HIGHER AND FOUNDATION

#### WHY TAKE THIS COURSE?

There are two GCSE tiers available to ensure that as many candidates as possible have the opportunity to gain high level grades at GCSE.

The higher tier examination assesses grades 9 – 4 (3 allowed) and the foundation tier grades 5 – 1.

Students will be entered onto the tier which best suits their ability.

A good grade in mathematics is an essential qualification for many different careers paths. To study A level mathematics students will need a high grade at GCSE.

#### AIMS OF THE COURSE

The course is designed to enable candidates to:

- Consolidate basic skills and meet appropriately challenging work;
- Reason mathematically, make deductions and inferences and draw conclusions;
- Think and communicate mathematically precisely, logically and creatively;
- Develop fluent knowledge, skills and understanding of mathematical methods and concepts;
- Acquire, select and apply mathematical techniques to solve problems.

#### COURSE STRUCTURE AND CONTENT

The assessments will cover the following content headings:

1. Number.
2. Algebra.
3. Ratio, proportion and rates of change.
4. Geometry and measures.
5. Probability.
6. Statistics.

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# MATHEMATICS (CONT...)

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## **ASSESSMENT**

The qualification consists of three equally weighted written examination papers at either Foundation or Higher tier. These papers are sat in the summer of Year 11. Paper 1 is a non-calculator paper and a calculator is allowed for Papers 2 and 3. Each paper is 1 hour 30 minutes long and has 80 marks. This accounts for 100% of the GCSE.

## **ENTRY REQUIREMENTS**

None.