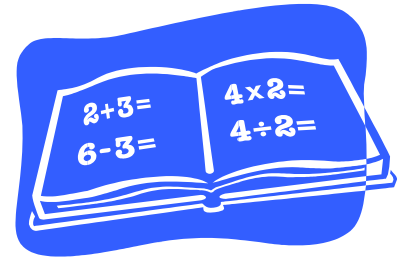


# MATHS



**Pathway: A**

**Qualification: GCSE Mathematics**

## **Course outline:**

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

Mathematics provides a broad, coherent, satisfying and worthwhile course of study. It encourages learners to develop confidence in, and a positive attitude towards mathematics and to recognise the importance of mathematics in their own lives and to society. It also provides a strong mathematical foundation for learners who go on to study mathematics at a higher level, post-16.

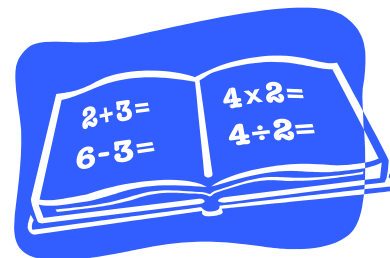
OCR's GCSE (9–1) in Mathematics enables learners to:

- 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.

## **Assessment:**

# MATHS

- Formal Assessment comprises 3 written paper, each worth 33.3%. These examinations will be sat in the Summer Term 2019.



## Pathway: A

## Qualification: Level 1 Functional Mathematics

### Course outline:

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

Maths is the study of number, measure, geometry and statistics. Students develop their knowledge and skills in using numbers, calculating, measuring, recall of number facts and organising information.

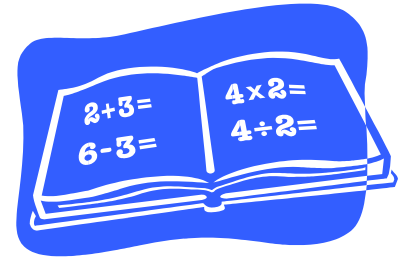
Pupils are able to develop their knowledge of number further to include decimals, fractions and negative numbers. They are taught to apply their skills to solve a range of problems. They develop skills in using standard units of measure to compare capacity, length and weight. The assessment of Level 1 Functional Mathematics is applicable to a wider world context, e.g. costing a summer holiday, weekly bills.

### Assessment:



The assessment is a one hour closed paper that can be accessed in January or June. In addition students also complete a thirty minute calculator paper. Students are able to resit the assessments if required.

# MATHS



## Pathway: A/B

## Qualification: Entry Level 3 in Mathematics

### Course outline:

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

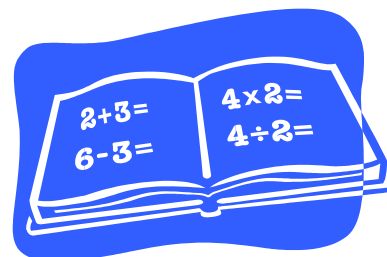
Maths is the study of number, measure, geometry and statistics. Students develop their knowledge and skills in using numbers, calculating, measuring, recall of number facts and organising information.

Pupils are able to develop their knowledge of number further to include decimals, fractions and negative numbers. They are taught to apply their skills to solve a range of problems. They develop skills in using standard units of measure to compare capacity, length and weight.

### Assessment:

This qualification is assessed following units of study, there are three parts to the assessment, two written papers and a practical assessment. Blocks of study will work towards the students completing the assessment and then based upon the percentage of pass, will give between Entry Level 1– Entry Level 3 grading.

# MATHS



## Pathway: C Qualification: Functional Entry Level 1

### Course outline:

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

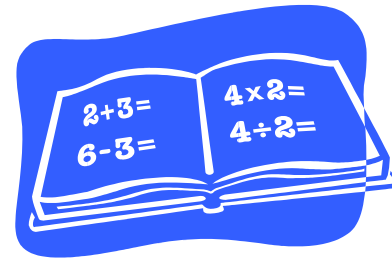
Maths is the study of number, measure, geometry and statistics. Students develop their knowledge and skills in using numbers, calculating, measuring, recall of number facts and organising information.

Pupils are able to develop their knowledge of number further to include decimals, fractions and negative numbers. They are taught to apply their skills to solve a range of problems. They develop skills in using standard units of measure to compare capacity, length and weight.

### Assessment:

This qualification is assessed following units of study, there is a set assessment task whereby students are offered practical activities to assess their understanding of Mathematical concepts. Previous assessment tasks have included practical tasks including spending money and shopping and baking. The assessment are set in a relaxed manner and supported by the class staff to minimise student stress.

# MATHS



## Pathway: C

## Qualification: Functional Entry Level 2/3

### Course outline:

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

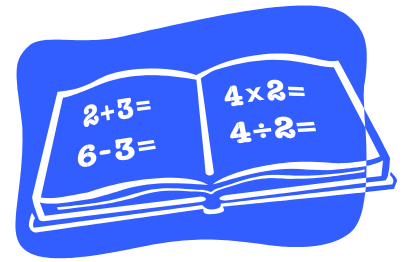
Maths is the study of number, measure, geometry and statistics. Students develop their knowledge and skills in using numbers, calculating, measuring, recall of number facts and organising information.

Pupils are able to develop their knowledge of number further to include decimals, fractions and negative numbers. They are taught to apply their skills to solve a range of problems. They develop skills in using standard units of measure to compare capacity, length and weight.

### Assessment:

This qualification is assessed following units of study, there is a set assessment task whereby students are offered practical activities to assess their understanding of Mathematical concepts. Previous assessment tasks have included practical tasks including spending money and shopping and baking. The assessment are set in a relaxed manner and supported by the class staff to minimise student stress.

# MATHS



## Pathway: B

### Qualification: Entry Level 1 & 2 in Mathematics

#### Course outline:

All pupils in Year 10 and Year 11 study mathematics. Each year group is grouped according to their ability. Each ability group completes a course that is matched to their ability. Each group studies Maths and Functional Maths.

Maths is the study of number, measure, geometry and statistics. Students develop their knowledge and skills in using numbers, calculating, measuring, recall of number facts and organising information.

Pupils are taught numeracy skills up to 100. They solve a range of calculations, recall number facts and use these to solve problems, including using money. They explore measure and begin to use standard units of measure. They develop knowledge of time in both analogue and digital formats. They learn to organise, represent and read information using graphs and charts.

#### Assessment:

This qualification is assessed following units of study, there are three parts to the assessment, two written papers and a practical assessment. Blocks of study will work towards the students completing the assessment and then



based upon the percentage of pass, will give between Entry Level 1 – Entry Level 3 grading. ElmsBank