

Key Stage 4 Mathematics Overview.

In Key Stage 4 pupils are set into 5 groups. Each of these groups learning is tailored towards a specific Entry Level or Higher Level qualification route. Please see the following information highlighting the stages of learning relevant to each group.

| Group | Stage of Learning |
|--------------------|--|
| KS4 Group 1 | Higher Level 1 and GCSE |
| KS4 Group 2 | Entry Level 2 and Entry Level 2 |
| KS4 Group 3 | Entry Level 2 |
| KS4 Group 4 | Entry Level 1 and Entry Level 2 |
| KS4 Group 5 | Entry Level 1 |

Key Stage 4 Mathematics Overview.

Entry Level One

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---------------|--|---------------------------------------|---|---|---|---|---|---|---|--|---------------------------------------|--|
| Summer | Add and subtract using one/two digit numbers. (One significant figure.) | Recognise and select coins and notes; | Sort and classify objects practically using a single criterion. | Exam Week | Describe the properties of size and measure, including length, width, height and weight, and make simple comparisons; | Understand and use numbers with one significant figure in practical contexts. | Recognise and name common 2D and 3D shapes | Add and subtract using one/two digit numbers. (One significant figure.) | Describe position; | Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays. | Recognise and select coins and notes; | Sort and classify objects practically using a single criterion. |
| Spring | Sort and classify objects practically using a single criterion. | Describe position; | Exam Week | Understand and use numbers with one significant figure in practical contexts. | Add and subtract using one/two digit numbers. (One significant figure.) | Describe position; | Describe the properties of size and measure, including length, width, height and weight, and make simple comparisons; | Sort and classify objects practically using a single criterion. | Recognise and select coins and notes; | Recognise and name common 2D and 3D shapes; | Exam Week | Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays. |
| Autumn | Directed Teaching – (Briefly cover all topics in preparation for Mock Week). | | Mock Week | Understand and use numbers with one significant figure in practical contexts. | Add and subtract using one/two digit numbers. (One significant figure.) | Describe the properties of size and measure, including length, width, height and weight, and make simple comparisons; | | Recognise and name common 2D and 3D shapes; | Understand and use numbers with one significant figure in practical contexts. | Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays | Recognise and select coins and notes; | Add and subtract using one/two digit numbers. (One significant figure.) |

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Entry Level Two

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---------------|--|---|---|------------------------------------|--|---|--|---|--|---|--|--|
| Summer | Round to the nearest whole number & Round to the nearest 10. | Extract information from simple lists. | Recognise sequences of numbers, including odd and even numbers. | Exam Week | Understand, add and subtract whole numbers with up to two significant figures. | Use doubling and halving in practical situations & Solve practical problems involving multiplication and division by 2, 5 and 10; | Tell and write the time to five minutes. | Know properties of simple 2D and 3D shapes. | Understand and use addition/subtraction in practical situations. | Directed Teaching | Use simple measuring tools and measure to the nearest labelled division; | Extract information from simple lists. |
| Spring | Extract information from simple lists. | Recognise sequences of numbers, including odd and even numbers. | Exam Week | Directed Teaching | Understand, add and subtract whole numbers with up to two significant figures. | Use doubling and halving in practical situations & Solve practical problems involving multiplication and division by 2, 5 and 10; | Use simple measuring tools and measure to the nearest labelled division; | Tell and write the time to five minutes. | Know properties of simple 2D and 3D shapes. | Understand and use addition/subtraction in practical situations. | Exam Week | Directed Teaching |
| Autumn | Directed Teaching – (Briefly cover all topics in preparation for Mock Week). | | Mock Week | Round to the nearest whole number. | Understand, add and subtract whole numbers with up to two significant figures. | Use simple measuring tools and measure to the nearest labelled division; | | Know properties of simple 2D and 3D shapes. | Round to the nearest 10 | Use doubling and halving in practical situations & Solve practical problems involving multiplication and division by 2, 5 and 10; | Understand and use addition/subtraction in practical situations. | Tell and write the time to five minutes. |

When teaching alongside E3 change **Directed Teaching** to **Understand and use simple Fraction (1/2 and 1/4)**

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Entry Level Three

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---------------|---|--|---|--|---|--|--|--|--|---|--|---|
| Summer | Round to the nearest 10 or 100 and Understand decimals to two decimal places in practical contexts; | Extract, use and compare information from lists, tables, simple charts and simple graphs | Recognise and describe number patterns; | Exam Week | Understand and use simple fractions; | Add and subtract using up to three-digit numbers. | Solve practical problems involving multiplication and division by 2, 3, 4, 5 and 10. | Estimate, read and record the time with increasing accuracy to the nearest minute. | Recognise and name simple 2D and 3D shapes and their properties. | Complete simple calculations involving money and measure. | Understand and use simple fractions; | Understand, estimate, measure and compare length, capacity, weight and temperature. |
| Spring | Extract, use and compare information from lists, tables, simple charts and simple graphs | Recognise and describe number patterns; | Exam Week | Understand and use simple fractions; | Add and subtract using up to three-digit numbers. | Solve practical problems involving multiplication and division by 2, 3, 4, 5 and 10. | Understand, estimate, measure and compare length, capacity, weight and temperature. | Estimate, read and record the time with increasing accuracy to the nearest minute. | Recognise and name simple 2D and 3D shapes and their properties; | Complete simple calculations involving measure. | Exam Week | Understand and use simple fractions; |
| Autumn | Directed Teaching – (Briefly cover all topics in preparation for Mock Week). | | Mock Week | Understand decimals to two decimal places in practical contexts. | Add and subtract using up to three-digit numbers. | Understand, estimate, measure and compare length, capacity, weight and temperature. | Recognise and name simple 2D and 3D shapes and their properties. | Round to the nearest 10 or 100. | Solve practical problems involving multiplication and division by 2, 3, 4, 5 and 10. | Complete simple calculations involving money. | Estimate, read and record the time with increasing accuracy to the nearest minute. | |

