

The Maths Component Curriculum – Year 3

What do we want our children to know and remember? (Key objectives taken from the National Curriculum)

| YEAR 3 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 |
|----------|--|--|--|---|---|--------|--------|
| Autumn 1 | Year 2 Recap | Number and place value <ul style="list-style-type: none"> [KEY] Count from 0 in multiples of 4, 8, 50 and 100 [KEY] Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones) [KEY] Find 10 or 100 more or less than a given number. Read and write numbers up to 1000 in numerals and in words | Addition and subtraction <ul style="list-style-type: none"> [KEY] Add and subtract numbers mentally, including three-digit numbers and ones. [KEY] Add and subtract numbers mentally, including three-digit numbers and tens. [KEY] Add and subtract numbers mentally, including three-digit numbers and hundreds. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. | Test week | Statistics <ul style="list-style-type: none"> [KEY] Interpret and present data using bar charts, pictograms and tables. | | |
| Autumn 2 | Multiplication and division <ul style="list-style-type: none"> [KEY] Recall and use multiplication and division facts for the 3, 4, and 8 multiplication tables. [KEY] Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. | Fractions <ul style="list-style-type: none"> [KEY] Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. [KEY] Count up and down in tenths [KEY] Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. | Measure <ul style="list-style-type: none"> Measure the perimeter of simple 2D shapes. [KEY] Measure, compare, add and subtract: lengths (m,cm,mm); mass (kg/g); volume, capacity (l,ml). [KEY] Add and subtract amounts of money to give change, using both £ and p in practical contexts. Estimate and read time with increasing accuracy to the nearest minute. | Shape and position <ul style="list-style-type: none"> Draw 2D shapes and make 3D shapes using modelling materials. Recognise 3D shapes in different orientations and describe them. | | | |
| Spring 1 | Number and place value <ul style="list-style-type: none"> Compare and order numbers up to 1000. [KEY] Solve number problems and practical problems involving working with and estimating numbers up to 1000 in a variety of units. Identify, represent and estimate numbers using different representations. | Addition and subtraction <ul style="list-style-type: none"> Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction. | Multiplication and division <ul style="list-style-type: none"> Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. | Statistics <ul style="list-style-type: none"> Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables. | | | |
| Spring 2 | Shape and position <ul style="list-style-type: none"> Recognise angles as a property of | Test week | Fractions <ul style="list-style-type: none"> Compare and order unit fractions, and fractions with the same denominators. | Measure <ul style="list-style-type: none"> Record and compare time in terms of seconds, minutes and hours. | | | |

Note – statements are from the expected standard for greater depth standard please see the LAT framework.

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| | <p>shape or a description of a turn.</p> <ul style="list-style-type: none"> [KEY] Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn. [KEY] Identify whether angles are greater than or less than a right angle. | | <ul style="list-style-type: none"> Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. [KEY] Recognise and show, using diagrams, equivalent fractions with small denominators. Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$] | <ul style="list-style-type: none"> Use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight. [KEY] Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. | | | |
| Summer 1 | <p>Number and place value</p> <ul style="list-style-type: none"> Revisit and apply based on gaps in learning | <p>Addition and subtraction</p> <ul style="list-style-type: none"> Estimate the answer to a calculation and use inverse operations to check answers. Revisit - solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction. | <p>Multiplication and division</p> <ul style="list-style-type: none"> Continue to solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. | <p>Fractions</p> <ul style="list-style-type: none"> Solve problems that involve understanding of fractions. | <p>Statistics</p> <ul style="list-style-type: none"> Revisit, solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables. | | |
| Summer 2 | <p>Measure</p> <ul style="list-style-type: none"> Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events [for example to | <p>Shape and position</p> <ul style="list-style-type: none"> Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. | Test week | Revision and recap | Revision and recap | Revision and recap | Revision and recap |

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| | calculate the time taken by particular events or tasks] | | | | | | |
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| Autumn 1 | Year 2 Recap | | | | | Test week | |
| Autumn 2 | | | | | | | |
| Spring 1 | | | | | | | |
| Spring 2 | | Test week | | | | | |
| Summer 1 | | | | | | | |
| Summer 2 | | | Test week | | | | |

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