

## EYFS Mathematics Yearly Overview

|               | Autumn 1            | Autumn 2       | Spring 1      | Spring 2        | Summer 1         | Summer 2        |
|---------------|---------------------|----------------|---------------|-----------------|------------------|-----------------|
| <b>Week 1</b> | Getting to Know You | It's Me 1,2,3  | Alive in 5!   | Building 9 & 10 | To 20 and Beyond | Find My Pattern |
| <b>Week 2</b> | Getting to Know You | It's Me 1,2,3  | Alive in 5!   | Building 9 & 10 | To 20 and Beyond | Find My Pattern |
| <b>Week 3</b> | Getting to Know You | Light and Dark | Alive in 5!   | Building 9 & 10 | To 20 and Beyond | Find My Pattern |
| <b>Week 4</b> | Just Like Me        | Light and Dark | Growing 6,7,8 | Consolidation   | First Then Now   | On the Move     |
| <b>Week 5</b> | Just Like Me        | Light and Dark | Growing 6,7,8 | Consolidation   | First Then Now   | On the Move     |
| <b>Week 6</b> | Just Like Me        | Consolidation  | Growing 6,7,8 |                 | First Then Now   | On the Move     |

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| Week 7 | It's Me 1,2,3 | Consolidation |  |  |  |  |
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| Autumn 1 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Week 1   | <p>Number and Place Value</p> <ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>Identify, represent and estimate numbers using different representations, including the number line</li> </ul>                                                                                                                                                                                                                                                                             |
| Week 2   | <p>Number and Place Value</p> <ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Compare and order numbers from 0 up to 100; use <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>Read and write numbers to at least 100 in numerals and in words</li> <li>Use place value and number facts to solve problems.</li> </ul>                                                                                                                                                                                                                 |
| Week 3   | <p>Addition</p> <ul style="list-style-type: none"> <li>Solve problems with addition</li> <li>Use concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>Apply their increasing knowledge of mental and written methods</li> <li>Recall and use addition facts to 20 fluently, and derive and use related facts up to 100</li> <li>Add numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> </ul> </li> </ul> |

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|        | - adding three one-digit numbers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Week 4 | <p>Subtraction</p> <ul style="list-style-type: none"> <li>• Solve problems with subtraction</li> <li>• Use concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>• Apply their increasing knowledge of mental and written methods</li> <li>• Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• Add numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>- a two-digit number and ones</li> <li>- a two-digit number and tens</li> <li>- two two-digit numbers</li> </ul> </li> </ul>                  |
| Week 5 | <p>Addition and Subtraction</p> <ul style="list-style-type: none"> <li>▪ Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>- a two-digit number and ones</li> <li>- a two-digit number and tens</li> <li>- two two-digit numbers</li> <li>- adding three one-digit numbers</li> </ul> </li> <li>▪ Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>▪ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> </ul> |
| Week 6 | <p>Measurement (Money)</p> <ul style="list-style-type: none"> <li>▪ Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>▪ Find different combinations of coins that equal the same amounts of money</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|        | <ul style="list-style-type: none"> <li>▪ Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul>                                                                                                                                                  |
| Week 7 | <p>Time</p> <ul style="list-style-type: none"> <li>▪ Compare and sequence intervals of time</li> <li>▪ Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</li> <li>▪ Know the number of minutes in an hour and the number of hours in a day.</li> </ul> |

| Autumn 2 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Week 1   | <p style="text-align: center;">Multiplication</p> <ul style="list-style-type: none"> <li>▪ Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>▪ Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>▪ Show that multiplication of two numbers can be done in any order (commutative)</li> <li>▪ Solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts.</li> </ul>                                         |
| Week 2   | <p style="text-align: center;">Division</p> <ul style="list-style-type: none"> <li>▪ Recall and use division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>▪ Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>▪ Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>▪ Solve problems involving division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> |
| Week 3   | <p style="text-align: center;">Fractions</p> <ul style="list-style-type: none"> <li>▪ Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>▪ Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>                                                                                                                                                                                                                                                                                               |

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| Week 4 | <p>Measurement</p> <ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (<math>^{\circ}\text{C}</math>); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul> |
| Week 5 | <p>Statistics</p> <ul style="list-style-type: none"> <li>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>Ask and answer questions about totalling and comparing categorical data.</li> </ul>                                                                                                                    |
| Week 6 | <p>Geometry (2D Shapes)</p> <ul style="list-style-type: none"> <li>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li> <li>Compare and sort common 2-D and everyday objects.</li> </ul>                                                                                                                                                                                                                                       |

| Spring 1 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Week 1   | <p style="text-align: center;">Number and Place Value</p> <ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>Identify, represent and estimate numbers using different representations, including the number line</li> <li>Compare and order numbers from 0 up to 100; use <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>Read and write numbers to at least 100 in numerals and in words</li> <li>Use place value and number facts to solve problems.</li> </ul>                                                                                                                                                                                                                                                                    |
| Week 2   | <p style="text-align: center;">Addition and Subtraction</p> <ul style="list-style-type: none"> <li>Solve problems with addition and subtraction</li> <li>Use concrete objects and pictorial representations, including those involving numbers, quantities and measures <ul style="list-style-type: none"> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <li>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> </ul> </li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> </ul> |

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| Week 3 | <p>Multiplication and Division</p> <ul style="list-style-type: none"> <li>▪ Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>▪ Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>▪ Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>▪ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> |
| Week 4 | <p>Time</p> <ul style="list-style-type: none"> <li>▪ Compare and sequence intervals of time</li> <li>▪ Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</li> <li>▪ Know the number of minutes in an hour and the number of hours in a day.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Week 5 | <p>Statistics</p> <ul style="list-style-type: none"> <li>▪ Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>▪ Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>▪ Ask and answer questions about totalling and comparing categorical data.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                |
| Week 6 | <p>Shape (3D Shapes)</p> <ul style="list-style-type: none"> <li>▪ Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> <li>▪ Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</li> <li>▪ Compare and sort common 3-D shapes and everyday objects.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Spring 2 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Week 1   | <p>Fractions</p> <ul style="list-style-type: none"> <li>▪ Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>• Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>                                                          |
| Week 2   | <p>Fractions</p> <ul style="list-style-type: none"> <li>▪ Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>• Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>                                                          |
| Week 3   | <p>Position and Direction</p> <ul style="list-style-type: none"> <li>▪ Order and arrange combinations of mathematical objects in patterns and sequences</li> <li>▪ Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti- clockwise).</li> </ul>                                                       |
| Week 4   | <p>Measurement</p> <ul style="list-style-type: none"> <li>▪ Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (<math>^{\circ}\text{C}</math>); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>▪ Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul> |
| Week 5   | <p>Calculations</p> <ul style="list-style-type: none"> <li>• Solve problems with addition and subtraction</li> <li>▪ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> </ul>                                                                                                                                                                                                                         |

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|  | <ul style="list-style-type: none"> <li>▪ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> |
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| Summer 1 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Week 1   | <p>Number and Place Value</p> <ul style="list-style-type: none"> <li>• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>• Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>• Identify, represent and estimate numbers using different representations, including the number line</li> <li>• Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> <li>• Read and write numbers to at least 100 in numerals and in words</li> <li>• Use place value and number facts to solve problems.</li> </ul> |
| Week 2   | <p>Measurement (Money)</p> <ul style="list-style-type: none"> <li>▪ Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>▪ Find different combinations of coins that equal the same amounts of money</li> <li>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul>                                                                                                                                                                                       |
| Week 3   | <p>Statistics</p> <ul style="list-style-type: none"> <li>▪ Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>▪ Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>▪ Ask and answer questions about totalling and comparing categorical data.</li> </ul>                                                                                                                                                                                                                   |
| Week 4   | <p>Calculations</p> <ul style="list-style-type: none"> <li>• Solve problems with addition and subtraction</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|        | <ul style="list-style-type: none"> <li>▪ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> <li>▪ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul>                                                                                                                                 |
| Week 5 | <p>Fractions</p> <ul style="list-style-type: none"> <li>▪ Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>▪ Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>                                                                                          |
| Week 6 | <p>Geometry (2D and 3D Shapes)</p> <ul style="list-style-type: none"> <li>▪ Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li> <li>▪ Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> <li>▪ Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</li> <li>▪ Compare and sort common 2-D and 3-D shapes and everyday objects.</li> </ul> |

| Summer 2 | Programmes of Study / Objectives / Targets                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Week 1   | Enterprise                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Week 2   | Enterprise                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Week 3   | <p>Position and Direction</p> <ul style="list-style-type: none"> <li>Order and arrange combinations of mathematical objects in patterns and sequences</li> <li>Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti- clockwise).</li> </ul> |
| Week 4   | <p>Time</p> <ul style="list-style-type: none"> <li>Compare and sequence intervals of time</li> <li>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</li> <li>Know the number of minutes in an hour and the number of hours in a day.</li> </ul>                                                                                                               |
| Week 5   | <p>Measurement</p> <ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> </ul>             |
| Week 6   | Maths Investigation                                                                                                                                                                                                                                                                                                                                                                                                                             |

