

# Reception Skills Progression Mathematics



| Autumn 1   |  |   |  |  |  |
|--|--|---|--|--|--|
| Week 1   | Week 2   | Week 3  | Week 4   | Week 5   | Week 6   |
| -To form numbers.<br>- To recognise numerals 0 – 9.<br>- Conservation of summative counting.                                   | -To identify the value of a number 0- 10.<br>- To form numbers.  | -To identify the value of a number 0- 10.<br>- To form numbers. | -To identify one more.<br>-To identify one less.                                 | -To compare numbers using the vocabulary of bigger, smaller and equal. | -To investigate number bonds up to and within 10.<br>e.g.:<br>$2+2= 4$<br>$3+1= 4$   |
| Autumn 2   |  |   |  |  |  |
| Week 1   | Week 2   | Week 3  | Week 4   | Week 5   | Week 6   |
| -To subtract one from a number.<br>-To count backwards from a given number within 10.<br>-To describe how numbers get smaller. | - To add one to a number.<br>- To count forward from a given number within 10.<br>-To describe how numbers get bigger. | -To share an amount equally.<br>-To identify equal groups.      | - To identify longer and shorter.<br>- To use the vocabulary of light and heavy. | -To double a number.<br>-To explain how to double.                     | To identify 2D shapes.<br>-To use and describe shapes using key vocabulary sides/ corners (more able vertices).<br>-To classify 2D shapes. |

**Spring 1**

| Week 1   | Week 2   | Week 3  | Week 4   | Week 5   | Week 6   |
|--|--|---|--|--|--|
| <p>-To compare and order numbers non-sequential numbers. e.g.: 4, 7, 1</p> | <p>-To investigate number bonds up to and within 10.</p> <p>-To understand and explain the commutative nature of addition.<br/>e.g.:<br/>3+2=5<br/>2+3=5</p> | <p>-To measure different lengths.</p> <p>- To compare lengths.</p> <p>- To compare heights.</p> | <p>- To identify lighter and heavier objects.</p> <p>-To classify lighter and heavier objects.</p> <p>-To compare capacities.</p> <p>-To order capacities.</p> | <p>-To identify o'clock.</p> <p>- To order the school day.</p> <p>- To order days of the week.</p> | <p>-To identify patterns of shape.</p> <p>-To create patterns of shape.</p> <p>-To identify patterns of number.</p> <p>- To continue patterns of number.</p> |

**Spring 2**

| Week 1   | Week 2   | Week 3   | Week 4  | Week 5   | Week 6   |
|--|--|--|---|--|--|
| <p>-To subtract single digit numbers.</p> <p>-To write and understand subtraction number sentences using the correct symbols.</p> <p>-To count back bridging 10.</p> <p>-To create subtraction problems.</p> | <p>- To add single digits' numbers.</p> <p>-To write and understand addition number sentences using the correct symbols.</p> <p>-To count forwards bridging 10.</p> <p>-To create own addition problems.</p> | <p>-To halve amounts.</p> <p>- To halve shapes.</p> <p>- To introduce and apply division symbol.</p> <p>- To double numbers.</p> <p>To double amounts of money, height, mass and length.</p> | <p>-To describe the position of an object using positional language.<br/>E.g.: first, second, last, on, next to</p> | <p>-Consolidation of measures using practical resources e.g.: money.</p> <p>-Verbal explanation and reasoning around measures (time, mass, height length).</p> | <p>-To identify 3D shapes.</p> <p>-To recognise 3D shapes within the local environment.</p> <p>-To describe the properties of 3D shapes.</p> |

### Summer 1

| Week 1  | Week 2   | Week 3   | Week 4   | Week 5  | Week 6  |
|---|--|--|--|---|---|
| <p>-To select tools for measuring.</p> <p>-To estimate length and height.</p> <p>-To compare lengths and heights.</p> | <p>-To estimate mass.</p> <p>- To measure mass.</p> <p>-To compare mass.</p> | <p>-To order passages of time.</p> <p>-To identify o'clock and half past.</p> <p>-To measure and estimate durations of time.</p> | <p>- To discuss full and half full.</p> <p>-To explain what capacity is.</p> <p>-To estimate and measure capacity.</p> | <p>- To read, write and order numbers to 100.</p> <p>-To exchange 10 using diennes.</p> | <p>-To partition teen numbers e.g.: 11. 12. 13</p> <p>-To explain the value of a digit.</p> |

### Summer 2

| Week 1   | Week 2  | Week 3   | Week 4  | Week 5   | Week 6  |
|--|---|--|---|--|---|
| <p>-To subtract a one-digit number from a two-digit number.</p> <p>E.g.:</p> <p><math>14 - 3 =</math></p> <p><math>14 - 7 =</math> (more able)</p> <p>-To subtract using diennes by exchanging 10.</p> | <p>- To add a two-digit number to a single digit number.</p> <p>- To add a two-digit number to a two-digit number using diennes.</p> <p>e.g.:</p> <p><math>11 + 3 =</math></p> <p><math>18 + 8 =</math></p> <p><math>13 + 13 =</math> (more able)</p> | <p>-To divide numbers into groups of 2,5 and 10.</p> <p>-To use the division symbol (more able).</p> | <p>-To multiply numbers using equal groups.</p> <p>-To use the multiplication symbol (more able).</p> | <p>- To describe 3D shapes and their properties.</p> | <p>-To identify half and quarter of a shape, weight, capacity mass and money.</p> |