



<b>Subject</b>	Maths
<b>Year Group</b>	Year 2
<b>Knowledge</b> <b>Essential facts (Directly correlating to NC document)</b> <b>Key vocabulary / technical terms</b>	
<p><b><u>Children will know:</u></b></p> <p><b><u>Number and place value</u></b></p> <ul style="list-style-type: none"> <li>• How to read and write numbers to at least 100 in numerals and words.</li> <li>• The place value of each digit in a 2-digit number.</li> <li>• How to count in steps of 2, 3, 5 from 0, and in 10s from any number.</li> <li>• How to count forwards and backwards from any number to 100.</li> <li>• How to identify and represent numbers using different representations.</li> <li>• Which number is bigger or smaller and use this to order numbers.</li> <li>• How to use <math>&lt;</math> <math>&gt;</math> <math>=</math> symbols to compare numbers.</li> </ul> <p><b><u>Calculations</u></b></p> <p><b><u>Addition and subtraction</u></b></p> <ul style="list-style-type: none"> <li>• How to use addition and subtraction facts to derive and use related facts to 100.</li> <li>• How to use an efficient mental and/or written method to add and/or subtract pairs of numbers including carrying and exchanging.</li> <li>• All number bonds and related subtraction facts to 20.</li> <li>• How to use an efficient mental and/or written method to add 3 single digit numbers together.</li> <li>• How to use the inverse relationship to check calculations and solve missing number problems.</li> </ul> <p><b><u>Multiplication and division</u></b></p> <ul style="list-style-type: none"> <li>• Multiplication and division facts for the 2, 5 and 10 times tables.</li> <li>• How to read, write and interpret the mathematical symbol for multiplication (<math>\times</math>).</li> <li>• How to read, write and interpret the mathematical symbol for division (<math>\div</math>) and understand this means sharing.</li> <li>• Multiplication and division are inverse operations.</li> <li>• How to use a written method to solve multiplication and division problems.</li> </ul> <p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>• How to find <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{3}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math> of a shape, set of objects or quantity.</li> <li>• The equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul> <p><b><u>Geometry</u></b></p> <ul style="list-style-type: none"> <li>• How to describe the properties of 2D and 3D shapes using mathematical vocabulary (symmetry, sides, vertices, faces, edges).</li> <li>• How shapes and everyday objects can be sorted and compared.</li> </ul> <p><b><u>Space</u></b></p> <ul style="list-style-type: none"> <li>• The terms 'clockwise' and 'anticlockwise' and use this terminology to make quarter, half and three-quarter turns.</li> <li>• Their left and right.</li> </ul>	



### **Measures**

- Units of measurement for length/height/width, mass, capacity/volume, temperature and how to measure these using the correct equipment.
- How to use the symbols for pounds (£) and pence (p).
- How to combine coins to equal an amount of money.
- How to tell the time to 5 minutes.
- How many minutes in an hour and the number of hours in a day.

### **Statistics**

- How to construct simple tally charts, pictograms, block diagrams and tables.
- How to interpret information shown in a diagram.
- How to read scales accurately where the division is in ones or where all divisions are given.