

| Year 3 Maths Overview |  |   |  |   |  |   |  |   |  |   |   |   |  |  |   |  |  |  |
|-----------------------|--|---|--|---|--|---|--|---|--|---|---|---|--|--|---|--|--|--|
| Ter<br>m              | Autumn 1   |   |  | Autumn 2  |  |   | Spring 1   |   |  | Spring 2  |   |   | Summer 1   |  |   | Summer 2   |  |  |
| Topic                 | Place Value<br>(2 weeks)   | Addition and<br>Subtraction<br>(2 weeks)  | Money<br>(1 week)  | Shape<br>(2 weeks)  | Addition and<br>Subtraction<br>(3 weeks)   | Measurement of<br>time<br>(3week)   | Place Value<br>(1 weeks)   | Statistics<br>(2 week)  | Position &<br>direction<br>(2 week)  | Multiplication &<br>Division<br>(3 weeks)   | Fractions<br>(2 weeks)  | Money<br>(2 week)   | Addition and<br>subtraction<br>Consolidation<br>(2 weeks)  | Length and<br>perimeter<br>(2 week)  | Mass and capacity<br>(2 week)   | Multiplication &<br>Division<br>(2weeks)   | Problem solving 4<br>operations<br>(3 weeks) |  |
| Objectives            | <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> | <ul style="list-style-type: none"><li>- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</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 missing number problems.</li></ul> | <ul style="list-style-type: none"><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> | <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 (e.g. 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> | <ul style="list-style-type: none"><li>- Solve problems with addition and subtraction;</li><li>- Using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li><li>- Applying their increasing knowledge of mental and written method</li><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></ul></li><li>- Two two-digit numbers Adding three one-digit numbers</li></ul> | <ul style="list-style-type: none"><li>- Compare and sequence intervals 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> | <ul style="list-style-type: none"><li>- Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li><li>- Read, write numbers to at least 100 in numerals and in words</li><li>- Use place value and number facts to solve problems</li></ul> | <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> | <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> | <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 the using the multiplication (x), division (÷) 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> | <ul style="list-style-type: none"><li>- Recognise, find, name and write fractions 1/3, 1/2, 2/4 and 3/4 of a length, shape, set of objects or quantity</li><li>- Write simple fractions e.g. 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.</li></ul> | <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> | <ul style="list-style-type: none"><li>- use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</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 missing number problems.</li></ul> | <ul style="list-style-type: none"><li>- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);</li><li>- to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li></ul> | <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 the using the multiplication (x), division (÷) 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> | <ul style="list-style-type: none"><li>- Use place value and number facts to solve 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><li>- Solve problems with addition and subtraction</li></ul> |  |  |