**Y2 MATHEMATICS TERMLY PATHWAY**

| | NUMBER | MEASURE | GEOMETRY | STATISTICS |
|---|---|---|---|---|
| **Autumn** | **Number & Place value**<br><br>Count in steps of 2 and 5 from 0, and in tens from any number, forward and backward.<br><br>Recognise the place value of each digit in a two-digit number (tens, ones)<br><br>Identify, represent and estimate numbers using different representations, including the number line.<br><br>**Addition & Subtraction**<br><br>Solve problems with addition and subtraction:<br>▪ using concrete objects and pictorial representations, including those involving numbers, quantities and measures<br>▪ applying their increasing knowledge of mental and written methods<br>▪ recall and use addition and subtraction facts to 20 fluently.<br>▪ add and subtract numbers using concrete objects, pictorial representations, and mentally, including:<br>▪ a two-digit number and ones<br>▪ a two-digit number and tens<br>▪ two two-digit numbers<br>▪ adding three one-digit numbers.<br><br>Recognise and use the inverse relationship between addition and subtraction, check calculations and solve missing number problems.<br><br>**Multiplication & Division**<br><br>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers<br><br>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (✗), division (÷) and equals (=) signs<br><br>**Fractions**<br><br>Recognise, find, name and write fractions and of a length, shape, set of objects or quantity 1/3, ¼, 2/4 and 3/4 | 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.<br><br>Compare and order lengths, mass, volume/capacity and record the results using >, < and =<br><br>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value<br><br>Find different combinations of coins that equal the same amounts of money | **Properties of shapes**<br><br>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line<br><br>**Position & Direction**<br><br>Order and arrange combinations of mathematical objects in patterns and sequences | Interpret and construct simple pictograms, tally charts, block diagrams and simple tables*.<br><br>*Select one to focus on each term, italic this one and use the rest through topic etc.<br><br>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity |

# Y2 MATHEMATICS TERMLY PATHWAY

| | NUMBER | MEASURE | GEOMETRY | STATISTICS |
|---|---|---|---|---|
| **Spring** | **Number & Place value**<br><br>Count in steps of 2, 3 and 5 from 0, and in tens from any number forward and backwards.<br><br>Compare and order numbers from 0 up to 100; use <, > and = signs<br><br>Read and write numbers to at least 100 in numerals and in words<br><br>Use place value and number facts to solve problems.<br><br>**Addition& Subtraction**<br><br>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100<br>▪ add and subtract numbers using concrete objects, pictorial representations, and mentally, including:<br>▪ a two-digit number and ones<br>▪ a two-digit number and tens<br>▪ two two-digit numbers<br>▪ adding three one-digit numbers<br><br>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot<br><br>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.<br><br>**Multiplication & Division**<br><br>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.<br><br>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs | 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.<br><br>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.<br><br>Compare and sequence intervals of time<br><br>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<br><br>Know the number of minutes in an hour and the number of hours in a day. | **Properties of shapes**<br><br>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid].<br><br>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces<br><br>Compare and sort common 2-D and 3-D shapes and everyday objects.<br><br>**Position & Direction**<br><br>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).<br>● Make links to time | Interpret and construct simple pictograms, tally charts, block diagrams and simple tables * SEE ABOVE<br><br>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity<br><br>Ask and answer questions about totalling and comparing categorical data. |

**Y2 MATHEMATICS TERMLY PATHWAY**

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| | Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot<br><br>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.<br><br>**Fractions**<br><br>Recognise, find, name and write fractions and of a length, shape, set of objects or quantity 1/3, ¼, 2/4 and 3/4<br><br>Write simple fractions for example, of ½ of 6= 3and recognise the equivalence of 2/4 and ½ | | | |

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|---|---|---|---|---|
| **Summer** | **Number & Place value**<br><br>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward<br><br>Compare and order numbers from 0 up to 100; use <, > and = signs<br><br>Read and write numbers to at least 100 in numerals and in words<br><br>Use place value and number facts to solve problems.<br><br>**Addition & Subtraction**<br><br>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.<br><br>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:<br>• a two-digit number and ones<br>• a two-digit number and tens<br>• two two-digit numbers<br>• adding three one-digit numbers<br><br>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot<br><br>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.<br><br>Use column addition and subtraction of two-digit and 3-digit numbers.<br><br>**Multiplication & Division**<br><br>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers<br><br>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs | 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.<br><br>Find different combinations of coins that equal the same amounts of money.<br><br>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.<br><br>Compare and sequence intervals of time.<br><br>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<br><br>Know the number of minutes in an hour and the number of hours in a day. | **Properties of shapes**<br><br>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]<br><br>Compare and sort common 2-D and 3-D shapes and everyday objects.<br><br>**Position & Direction**<br><br>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). | Ask and answer questions about totalling and comparing categorical data. |

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