



Mathematics

The following content will be introduced during Year 2:

Number and Place Value	<ul style="list-style-type: none"> *Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward. *Recognise the place value of each digit in a two-digit number. *Identify, represent and estimate numbers using a number line. *Compare and order numbers from 0 up to 100; use <, > and = signs. *Read and write numbers to at least 100 in numerals and words. *Use place value and number facts to solve problems.
Addition and Subtraction	<ul style="list-style-type: none"> *Solve problems with addition and subtraction, using concrete objects and pictorial representations. *Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100. *Add and subtract numbers using objects, pictures and mentally including TU+U, TU+T, TU+TU and U+U+U. *Show that addition of two numbers can be done in any order and subtraction of one number from another cannot. *Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
Multiplication and Division	<ul style="list-style-type: none"> *Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. *Calculate mathematical statements for multiplication and division within the multiplication tables and write statements using the multiplication (X), division (\div) and equals (=) signs. *Show that multiplication of two numbers can be done in any order and division of one number by another cannot. *Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods, and X and \div facts including problems in contexts.
Fractions	<ul style="list-style-type: none"> *Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, sets of objects or a quantity. *Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
Measurement	<ul style="list-style-type: none"> *Choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$), capacity (l/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. *Compare and order lengths, mass, volume/capacity and record the results using >, < and =. *Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. *Find different combinations of coins that equal the same amounts of money. *Solve simple problems in a practical context involving the addition and subtraction of money of the same unit, including giving change. *Compare and sequence intervals of time. *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. *Know the number of minutes in an hour and the number of hours in a day.
Properties of shapes	<ul style="list-style-type: none"> *Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. *Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. *Identify 2-D shapes on the surface of 3-D shapes. *Compare and sort common 2-D and 3-D shapes and everyday objects.
Position and direction	<ul style="list-style-type: none"> *Order and arrange combinations of mathematical objects in patterns and sequences. *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).

Statistics	<ul style="list-style-type: none">*Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.*Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.*Ask and answer questions about totalling and comparing categorical data.
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Please find the Calculation Policies here:

<https://www.tatworth.somerset.sch.uk/wp-content/uploads/2018/08/helpmychildadditions.pdf>

<https://www.tatworth.somerset.sch.uk/wp-content/uploads/2018/08/helpmychildsubtraction.pdf>

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