

Year group	Maths curriculum links to science
Early years	I can count to 5.
Year 1	<p>I can count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>I can count in multiples of twos, fives and tens</p> <p>I can identify one more and one less (under 100) of a given number.</p> <p>I can identify and represent numbers using objects and pictorial representations including the number line.</p> <p>I can compare using language.</p> <p>I can choose whether cm or m is the most appropriate measurement.</p> <p>I can begin to measure capacity, volume, time, mass and length.</p> <p>I can express results as <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math>.</p> <p>I can use chronological language (in my method) and language relating to months and days of the week.</p> <p>I can recognise common 2D and 3D shapes.</p>
Year 2	<p>I can measure length (cm/m), mass (kg/g), temperature (<math>^{\circ}</math>c) and capacity (litres/ml) using rulers, scales, thermometers and measuring vessels.</p> <p>I can construct pictograms, tally charts, block diagrams and simple tables.</p> <p>I can express results as simple fractions of a total.</p> <p>I can count in steps of 2s, 5s and 10s.</p> <p>I can identify, represent and estimate numbers using different representations, including the number line.</p> <p>I can read and write numbers to at least 100 in numerals and in words.</p>
Year 3	<p>I can express results as fractions of a total (where the denominator is small).</p> <p>I can construct bar charts, pictograms and tables.</p> <p>I can measure, compare, add and subtract: length (m/cm/mm), mass (kg/g) and volume/capacity (l/ml).</p> <p>I can read and write numbers up to 1000 in numerals and in words.</p> <p>I can count from 0 in multiples of 4, 8, 50 and 100.</p> <p>I can find 10 or 100 more or less than a given number.</p> <p>I can draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.</p> <p>I can recognise angles as a property of shape or a description of a turn.</p>

Year 4	<p>I can express results as percentages and fractions.</p> <p>I can present discrete and continuous data using appropriate graphical methods (including bar charts and time graphs).</p> <p>I can measure, compare, add and subtract: length (m/cm/mm), mass (kg/g) and volume/capacity (l/ml).</p> <p>I can count in multiples of 6, 7, 9, 25 and 1000.</p> <p>I can find 1000 more or less than a given number.</p> <p>I can count backwards through zero to include negative numbers.</p> <p>I can round any number to the nearest 10, 100 or 1000.</p> <p>I can round decimals with one decimal place to the nearest whole number.</p> <p>I can compare numbers with the same number of decimal places up to two decimal places.</p> <p>I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>
Year 5	<p>I can express results as fractions, decimals and percentages.</p> <p>I can present data in line graphs.</p> <p>I can estimate volume and capacity (can use cubes/water)</p> <p>I can convert between different metric measurements.</p> <p>I can understand and use approximate equivalences between metric and common imperial units (e.g. inches, pounds and pints)</p> <p>I can read, write, order and compare numbers to at least 1 000 000.</p> <p>I can count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p>I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</p> <p>I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.</p> <p>I can round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>I can read, write, order and compare numbers with up to three decimal places.</p> <p>I can draw given angles, and measure them in degrees (<math>^{\circ}</math>).</p>
Year 6	<p>I can express results as fractions, decimals and percentages.</p> <p>I can calculate and interpret the mean as an average. I can express results as a ratio.</p> <p>I can construct line graphs and pie charts.</p> <p>I can calculate and interpret the mean as an average.</p> <p>I can convert between different units of measure (up to 3d.p where appropriate).</p> <p>I can use and convert between standard units.</p>

	<p>I can convert between miles and kilometres.</p>
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I can read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.

I can round any whole number to a required degree of accuracy.

I can use negative numbers in context, and calculate intervals across zero.

I can use simple formulae.

I can generate and describe linear number sequences.