

Year 5 Over view

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Number - place value (Week 1 - 3 days)				Number - addition and subtraction		Statistics		Number - multiplication and division		Measurement - area and perimeter		Christmas carol rehearsals Test week (DT)	Number - consolidation and problem solving week	2 days - Christmas maths (DT)
Spring	Number - multiplication and division (week 1 - 2 days)			Number - fractions						Number - decimals and percentages		Consolidation/ test week	Number - decimals		
Summer	Number - decimals				Geometry - properties of shape			Geometry - position and direction	Consolidation/ test week/ residential week buffer	Measurement - converting units		Measurement - volume	Consolidation problem solving		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Number - Place Value Read, write, order and compare numbers to at least 1000000 and determine the value of each digit. Count forwards or backwards in steps of powers of 10 for any given number up to 1000000. Interpret				Number- Addition and Subtraction Add and subtract numbers mentally with increasingly large numbers.		Statistics Solve comparison, sum and difference problems using information presented in a line graph.		Number - multiplication and division Multiply and divide numbers mentally drawing upon known facts. Multiply and divide		Perimeter and Area Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate and compare the		Christmas carol rehearsals Test week (DT)	Number - consolidation and problem solving week	2 days - Christmas maths (DT)

Spring	<p>Number - Multiplication and Division Multiply and divide numbers mentally drawing upon known facts. Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.</p>	<p>Number: Fractions Compare and order fractions whose denominators are multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $2/5 + 4/5 = 6/5 = 1 1/5$] Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Read and write decimal numbers as fractions [for example $0.71 = 71/100$] Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</p>			<p>Number: Decimals and Percentages Read, write, order and compare numbers with up to three decimal places. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places. Recognise the per cent symbol (%) and</p>	Consolidation/ test week	<p>Number - decimals and Percentages Solve problems which require knowing percentage and decimal equivalents of $1/2, 1/4, 1/5, 2/5, 4/5$ and those fractions with a denominator of a multiple of 10 or 25.</p>
Summer	<p>Number: Decimals Solve problems involving number up to three decimal places. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p>	<p>Geometry- Properties of Shapes and Angles Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees (o) Identify: angles at a point and one whole turn (total 360o), angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180o) other multiples of 90o</p>	<p>Geometry- position and direction Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p>	Consolidation/ test week/ residential week buffer	<p>Measurement- converting units Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml] Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Solve problems involving converting between units of time.</p>	<p>Measures Volume Estimate volume [for example using 1cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Use all four operations to solve problems involving measure.</p>	Consolidation problem solving