



WHITE ROSE  
YEAR 3 YEARLY OVERVIEW

Autumn	<p><b>Number – Place Value</b> <u>Number – Place Value</u> Identify, represent and estimate numbers using different representations.</p> <p>Find 10 or 100 more or less than a given number</p> <p>Recognize the place value of each digit in a three-digit number (hundreds, tens, ones).</p> <p>Compare and order numbers up to 1000</p> <p>Read and write numbers up to 1000 in numerals and in words.</p> <p>Solve number problems and practical problems involving these ideas. <b>Count from 0 in multiples of 4, 8, 50 and 100</b></p>	<p><b>Number – Addition and Subtraction</b> <u>Number – Addition and Subtraction</u> Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>		<p><b>Number – Multiplication and Division</b> <u>Number – Multiplication and Division</u></p> <p><b>Count from 0 in multiples of 4, 8, 50 and 100</b></p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p><b>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know</b>, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objectives.</p>	
Spring	<p><b>Number - Multiplication and Division</b> <u>Number – multiplication and division</u> Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objectives.</p>	<p><b>Measurement: Money</b> <u>Measurement – money</u> Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p>	<p><b>Statistics</b> <u>Statistics</u> Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p>	<p><b>Measurement: length and perimeter</b> <u>Measurement – length and perimeter</u></p> <p><b>Measure, compare, add and subtract: lengths (m/cm/mm);</b> mass (kg/g); volume/capacity (l/ml).</p> <p>Measure the perimeter of simple 2D shapes.</p>	<p><b>Number – Fractions</b> <u>Number – fractions</u> Count up and down in tenths; recognize that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognize and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p>



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<b>Summer</b>	<b>Number – fractions</b>	<b>Measurement: Time</b>	<b>Geometry – Properties of Shapes</b>	<b>Measurement: Mass and Capacity</b>
	<p>Number – fractions</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Add and subtract fractions with the same denominator within one whole [for example,</p> $\frac{5}{6} + \frac{1}{6} = \frac{6}{6}$ $\frac{7}{7} - \frac{7}{7} = 0$ <p>Solve problems that involve all of the above.</p>	<p>Measurement – time</p> <p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p>	<p>Geometry – properties of shape</p> <p>Recognise angles as a property of shape or a description of a turn.</p> <p>Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> <p>Draw 2-D shapes and make 3-D shapes using modelling materials.</p> <p>Recognise 3-D shapes in different orientations and describe them.</p>	<p>Measurement – mass and capacity</p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p>