

	Block 1	Block 2	Block 3
	Place Value	Addition and Subtraction	Multiplication and Division A
White Rose Maths Small Steps	Step 1 Represent numbers to 100 Step 2 Partition numbers to 100 Step 3 Number line to 100 Step 4 Hundreds Step 5 Represent numbers to 1,000 Step 6 Partition numbers to 1,000 Step 7 Flexible partitioning of numbers to 1,000 Step 8 Hundreds, tens and ones Step 9 Find 1, 10 or 100 more or less Step 10 Number line to 1,000 Step 11 Estimate on a number line to 1,000 Step 12 Compare numbers to 1,000 Step 13 Order numbers to 1,000 Step 14 Count in 50s	Step 1 Apply number bonds within 10 Step 2 Add and subtract 1s Step 3 Add and subtract 10s Step 4 Add and subtract 100s Step 5 Spot the pattern Step 6 Add 1s across a 10 Step 7 Add 10s across a 100 Step 8 Subtract 1s across a 10 Step 9 Subtract 10s across a 100 Step 10 Make connections Step 11 Add two numbers (no exchange) Step 12 Subtract two numbers (no exchange) Step 13 Add two numbers (across a 10) Step 14 Add two numbers (across a 100) Step 15 Subtract two numbers (across a 10) Step 16 Subtract two numbers (across a 100) Step 17 Add 2-digit and 3-digit numbers Step 18 Subtract a 2-digit number from a 3-digit number Step 19 Complements to 100 Step 20 Estimate answers Step 21 Inverse operations Step 22 Make decisions	Step 1 Multiplication – equal groups Step 2 Use arrays Step 3 Multiples of 2 Step 4 Multiples of 5 and 10 Step 5 Sharing and grouping Step 6 Multiply by 3 Step 7 Divide by 3 Step 8 The 3 times-table Step 9 Multiply by 4 Step 10 Divide by 4 Step 11 The 4 times-table Step 12 Multiply by 8 Step 13 Divide by 8 Step 14 The 8 times-table Step 15 The 2, 4 and 8 times-tables
National Curriculum Links	-Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. -Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). -Compare and order numbers up to 1000. -Identify, represent and estimate numbers using different representations. -Read and write numbers up to 1000 in numerals and in words. -Solve number problems and practical problems involving these ideas.	-Add and subtract numbers mentally, including: <ul style="list-style-type: none"> • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds -Add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction -Estimate the answer to a calculation and use inverse operations to check answers -Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	- Count from 0 in multiples of 4, 8, 50 and 100. - Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. - 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. - Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and Correspondence problems in which n objects are connected to m objectives.

	Block 1	Block 2	Block 3	Block 4
	Multiplication and Division B	Measurement: Length and Perimeter	Fractions A	Measurement: Mass and Capacity
White Rose Maths	<p>Comparing statements. Related calculations. Multiply 2 digits by 1 digit (1). Multiply 2 digits by 1 digit (2). Divide 2 digits by 1 digit (1). Divide 2 digits by 1 digit (2). Divide 2 digits by 1 digit (3). Scaling. How many ways?</p>	<p>Measure length. Equivalent lengths m & cm. Equivalent lengths mm & cm. Compare lengths. Add lengths. Subtraction lengths. Measure perimeter. Calculate perimeter.</p>	<p>Unit and non unit fractions. Making the whole. Tenths. Count in tenths. Tenths as decimals. Fractions of a number line. Fractions of a set of objects (1). Fractions of a set of objects (2). Fractions of a set of objects (3).</p>	<p>Measure mass (1). Measure mass (2). Compare mass. Add and subtract mass. Measure capacity (1). Measure capacity (2). Compare capacity. Add and subtract capacity.</p>
National Curriculum Links	<p>-Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. -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. -Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</p>	<p>-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). -Measure the perimeter of simple 2D shapes.</p>	<p>-Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. -Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. -Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. -Solve problems that involve all</p>	<p>-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p>

	Block 1	Block 2	Block 3	Block 4	Block 5
	Fractions B	Money	Time	Shape	Statistics
White Rose Maths Small Steps	<p>Equivalent fractions (1), Equivalent fractions (2). Equivalent fractions (3). Compare fractions. Order fractions. Add fractions. Subtract fractions.</p>	<p>Pounds and pence. Converting pounds and pence. Adding money. Subtracting money. Giving change.</p>	<p>Months and years. Hours in a day. Telling the time to 5 minutes. Telling the time to the minute. AM and PM. 24 hour clock. Finding the duration. Comparing the duration. Start and end times. Measuring time in seconds.</p>	<p>Turns and angles. Right angles in shapes. Compare angles. Draw accurately. Horizontal and vertical. Parallel and perpendicular. Recognise and describe 2D shapes. Recognise and describe 3D shapes. Make 3D shapes.</p>	<p>Pictograms. Bar charts. Tables.</p>
National Curriculum Links	<ul style="list-style-type: none"> •Recognise and show, using diagrams, equivalent fractions with small denominators. •Compare and order unit fractions, and fractions with the same denominators. •Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]. •Solve problems that involve all of the above. 	<p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</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> <ul style="list-style-type: none"> •Estimate and read time with increasing accuracy to the nearest minute. •Record and compare time in terms of seconds, minutes and hours. •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. •Compare durations of events [for example to calculate the time taken by particular events or tasks]. 	<ul style="list-style-type: none"> •Recognise angles as a property of shape or a description of a turn. •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. •Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. •Draw 2-D shapes and make 3-D shapes using modelling materials. •Recognise 3-D shapes in different orientations and describe them. 	<ul style="list-style-type: none"> •Interpret and present data using bar charts, pictograms and tables. •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.