



AUTUMN TERM	Block 1 Weeks 1-4 PLACE VALUE	Block 2 Weeks 5-9 ADDITION AND SUBTRACTION	Block 3 Week 10-12 SHAPE
Small Step Objective from White Rose	<ul style="list-style-type: none"> Numbers to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s 	<ul style="list-style-type: none"> Bonds to 10 Fact families - addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 1 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 10 more, 10 less Add and subtract 10s Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction Compare number sentences Missing number problems 	<ul style="list-style-type: none"> Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 2-D and 3-D shapes

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National Curriculum Reference	<p>Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward</p> <p>Recognise the place value of each digit in a two-digit number (10s, 1s)</p> <p>Identify, represent and estimate numbers using different representations, including the number line</p> <p>Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs</p> <p>Read and write numbers up to 100 in numerals and in words</p> <p>Use place value and number facts to solve problems</p>	<p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> Using concrete objects and pictorial representations, including those involving numbers, quantities and measures Applying their increasing knowledge of mental and written methods <p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> A two-digit number and 1s A two-digit number and 10s 2 two-digit numbers Adding 3 one-digit numbers <p>Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</p>	<p>Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects</p>
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SPRING TERM	<p>Block 1 Week 1-2</p> <p>MONEY</p>	<p>Block 2 Weeks 3-7</p> <p>MULTIPLICATION AND DIVISION</p>	<p>Block 3 Week 8-9</p> <p>LENGTH AND HEIGHT</p>	<p>Block 4 Weeks 10-12</p> <p>MASS, CAPACITY AND TEMPERATURE</p>
Small Step Objective from White Rose	<ul style="list-style-type: none"> Count money - pence Count money - pounds (notes and coins) Count money - pounds and pence Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problems 	<ul style="list-style-type: none"> Recognise equal groups Make equal groups Add equal groups Introduce the multiplication symbol Multiplication sentences Use arrays Make equal groups - grouping Make equal groups - sharing The 2 times-table Divide by 2 Doubling and halving Odd and even numbers The 10 times-table Divide by 10 The 5 times-table Divide by 5 The 5 and 10 times-tables 	<ul style="list-style-type: none"> Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights 	<ul style="list-style-type: none"> Compare mass Measure in grams Measure in kilograms Four operations with mass Compare volume and capacity Measure in millilitres Measure in litres Four operations with volume and capacity Temperature
National Curriculum Reference	<p>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p>Find different combinations of coins that equal the same amounts of money</p> <p>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p>	<p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs</p> <p>Show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental</p>	<p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm)</p> <p>Compare and order lengths and record the results using $>$, $<$ and $=$</p>	<p>Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order mass, volume/capacity and record the results using $>$, $<$ and $=$</p>

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		methods, and multiplication and division facts, including problems in contexts		
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SUMMER TERM	Block 1 Week 1-3 FRACTIONS	Block 2 Weeks 4-6 TIME	Block 3 Week 7-8 STATISTICS	Block 4 Weeks 10-12 POSITION AND DIRECTION	BLOCK 5 Weeks 11-12 RECAP AND REVISIT
Small Step Objective from White Rose	<ul style="list-style-type: none"> ▪ Introduction to parts and whole ▪ Equal and unequal parts ▪ Recognise a half ▪ Find a half ▪ Recognise a quarter ▪ Find a quarter ▪ Recognise a third ▪ Find a third ▪ Find the whole ▪ Unit fractions ▪ Non-unit fractions ▪ Recognise the equivalence of a half and two quarters ▪ Recognise three-quarters ▪ Find three-quarters ▪ Count in fractions up to a whole 	<ul style="list-style-type: none"> ▪ O'clock and half past ▪ Quarter past and quarter to ▪ Tell the time past the hour ▪ Tell the time to the hour ▪ Tell the time to 5 minutes ▪ Minutes in an hour ▪ Hours in a day 	<ul style="list-style-type: none"> ▪ Make tally charts ▪ Tables ▪ Block diagrams ▪ Draw pictograms (1-1) ▪ Interpret pictograms (1-1) ▪ Draw pictograms (2, 5 and 10) ▪ Interpret pictograms (2, 5 and 10) 	<ul style="list-style-type: none"> ▪ Language of position ▪ Describe movement ▪ Describe turns ▪ Describe movement and turns ▪ Shape patterns with turns 	Chosen by teacher based on needs of the class.

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National Curriculum Reference	<p>Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity</p> <p>Write simple fractions, for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p>	<p>Compare and sequence intervals of time</p> <p>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</p> <p>Know the number of minutes in an hour and the number of hours in a day</p>	<p>Interpret and construct simple pictograms, tally charts, block diagrams and tables</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>Ask-and-answer questions about totalling and comparing categorical data</p>	<p>Order and arrange combinations of mathematical objects in patterns and sequences</p> <p>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)</p>	Mixed
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