

# Year 4 – Yearly Overview - Autumn



	Week 1 - 4 BLOCK 1	Week 5 - 7 BLOCK 2	Week 8 BLOCK 3	Week 9 - 11 BLOCK 4	Week 12
	<b>Number: Place Value</b>	<b>Number: Addition and Subtraction</b>	<b>Measurement: Length and Perimeter</b>	<b>Number: Multiplication and Division</b>	Consolidation
<b>White Rose Maths Small Steps</b>	<ul style="list-style-type: none"> <li>Roman numerals to 100.</li> <li>Round to the nearest 10.</li> <li>Round to the nearest 100.</li> <li>Count in 1,000s.</li> <li>1,000s, 100s, 10s and 1s.</li> <li>Partitioning.</li> <li>Number line to 10,000.</li> <li>1,000 more or less.</li> <li>Compare numbers.</li> <li>Order numbers.</li> <li>Round to the nearest 1,000.</li> <li>Count in 25s.</li> <li>Negative numbers.</li> </ul> <p><b>Key Vocab</b> Compare, round, partition order, negative</p>	<ul style="list-style-type: none"> <li>Add and subtract 1s, 10s, 100s and 1000s.</li> <li>Add two 4-digit numbers – no exchange.</li> <li>Add two 4-digit numbers – one exchange.</li> <li>Add two 4-digit numbers – more than one exchange.</li> <li>Subtract two 4-digit numbers – no exchange.</li> <li>Subtract two 4-digit numbers – one exchange.</li> <li>Subtract two 4-digit numbers – more than one exchange.</li> <li>Efficient subtraction.</li> <li>Estimate answers.</li> <li>Checking strategies.</li> </ul> <p><b>Key Vocab</b> Exchange, efficient, estimate</p>	<ul style="list-style-type: none"> <li>Kilometres.</li> <li>Perimeter on a grid.</li> <li>Perimeter of a rectangle.</li> <li>Perimeter of rectilinear shapes.</li> </ul> <p><b>Key Vocab</b> Perimeter, rectilinear</p>	<ul style="list-style-type: none"> <li>Multiply by 10.</li> <li>Multiply by 100.</li> <li>Divide by 10.</li> <li>Divide by 100.</li> <li>Multiply by 1 and 0.</li> <li>Divide by 1.</li> <li>Multiply and divide by 6.</li> <li>6 times-table and division facts.</li> <li>Multiply and divide by 9.</li> <li>9 times-table and division facts.</li> <li>Multiply and divide by 7.</li> <li>7 times-table and division facts.</li> </ul> <p><b>Key Vocab</b> Multiple, inverse, equal, groupings</p>	All
<b>National Curriculum Link</b>	<ul style="list-style-type: none"> <li>Count in multiples of 6, 7, 9, 25 and 1000.</li> <li>Find 1000 more or less than a given number.</li> <li>Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones).</li> <li>Order and compare numbers beyond 1000.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Round any number to the nearest 10, 100 or 1000.</li> <li>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</li> <li>Count backwards through zero to include negative numbers.</li> </ul>	<ul style="list-style-type: none"> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</li> <li>Estimate and use inverse operations to check answers to a calculation.</li> <li>Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</li> </ul>	<ul style="list-style-type: none"> <li>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.</li> <li>Convert between different units of measure [for example, kilometre to metre].</li> </ul>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</li> <li>Count in multiples of 6, 7, 9, 25 and 1000.</li> <li>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</li> <li>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</li> </ul>	All

# Year 4 – Yearly Overview - Spring



	Week 1 - 3 BLOCK 1	Week 4 BLOCK 2	Week 5 - 8 BLOCK 3	Week 9 - 11 BLOCK 4	Week 12
	<b>Number: Multiplication and Division</b>	<b>Measurement: Area</b>	<b>Number: Fractions</b>	<b>Number: Decimals</b>	Consolidation
<b>White Rose Maths Small Steps</b>	<ul style="list-style-type: none"> <li>11 and 12 times-table.</li> <li>Multiply 3 numbers.</li> <li>Factor pairs.</li> <li>Efficient multiplication.</li> <li>Written methods.</li> <li>Multiply 2-digits by 1 –digit.</li> <li>Multiply 3-digits by 1-digit.</li> <li>Divide 2-digits by 1-digit (1).</li> <li>Divide 2-digits by 1-digit (2).</li> <li>Correspondence problems.</li> </ul> <p><b>Key vocab</b> Factor pairs, efficient, multiply, divide</p>	<ul style="list-style-type: none"> <li>What is area?</li> <li>Counting squares</li> <li>Making shapes.</li> <li>Comparing area.</li> </ul> <p><b>Key vocab</b> area, compare</p>	<ul style="list-style-type: none"> <li>What is a fraction?</li> <li>Equivalent fractions (1)</li> <li>Equivalent fractions (2).</li> <li>Fractions greater than 1.</li> <li>Count in fractions.</li> <li>Add 2 or more fractions.</li> <li>Subtract 2 fractions.</li> <li>Subtract from whole amounts.</li> <li>Calculate fractions of a quantity.</li> <li>Problem solving – calculate quantities.</li> </ul> <p><b>Key vocab</b> Equivalent, greater than, whole, fraction, numerator, denominator</p>	<ul style="list-style-type: none"> <li>Recognise tenths and hundredths.</li> <li>Tenths as decimals.</li> <li>Tenths on a place value grid.</li> <li>Tenths on a number line.</li> <li>Divide 1 digit by 10.</li> <li>Divide 2 digits by 10.</li> <li>Hundredths.</li> <li>Hundredths as decimals.</li> <li>Hundredths on a place value grid.</li> <li>Divide 1 or 2 digits by 100.</li> </ul> <p><b>Key vocab</b> Tenth, hundredths, decimal</p>	All
<b>National Curriculum Link</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</li> <li>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</li> <li>Recognise and use factor pairs and commutativity in mental calculations.</li> <li>Multiply two digit and three digit numbers by a one digit number using formal written layout.</li> <li>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</li> </ul>	<ul style="list-style-type: none"> <li>Find the area of rectilinear shapes by counting squares.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and show, using diagrams, families of common equivalent fractions.</li> <li>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</li> <li>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</li> <li>Add and subtract fractions with the same denominator.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and write decimal equivalents of any number of tenths or hundredths.</li> <li>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.</li> <li>Solve simple measure and money problems involving fractions and decimals to two decimal places.</li> <li>Convert between different units of measure [for example, kilometre to metre].</li> </ul>	All

# Year 4 – Yearly Overview - Summer



	Week 1 - 2 BLOCK 1	Week 3 - 4 BLOCK 2	Week 5 BLOCK 3	Week 6 – 7 BLOCK 4	Week 8 – 10 BLOCK 5	Week 11 BLOCK 6	Week 12
	Number: Decimals	Measurement: Money	Measurement: Time	Statistics	Geometry: Property of Shape	Geometry: Position and Direction	Consolidation
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>• Make a whole.</li> <li>• Write decimals.</li> <li>• Compare decimals.</li> <li>• Order decimals.</li> <li>• Round decimals.</li> <li>• Halves and quarters.</li> </ul> <p><b>Key vocab</b> Decimal, whole, compare, order, halves, quarters</p>	<ul style="list-style-type: none"> <li>• Pounds and pence.</li> <li>• Ordering amounts of money.</li> <li>• Using rounding to estimate money.</li> <li>• Four operations.</li> </ul> <p><b>Key vocab</b> Pounds, pence, Estimate, round</p>	<ul style="list-style-type: none"> <li>• Hours, minutes and seconds.</li> <li>• Years, months, weeks and days.</li> <li>• Analogue to digital – 12 hour.</li> <li>• Analogue to digital – 24 hour.</li> </ul> <p><b>Key vocab</b> Analogue, digital, intervals</p>	<ul style="list-style-type: none"> <li>• Interpret charts.</li> <li>• Comparison, sum and difference.</li> <li>• Introducing line graphs.</li> <li>• Line graphs.</li> </ul> <p><b>Key vocab</b> Interpret, line graph, compare, difference</p>	<ul style="list-style-type: none"> <li>• Identify angles.</li> <li>• Compare and order angles.</li> <li>• Triangles.</li> <li>• Quadrilaterals.</li> <li>• Lines of symmetry.</li> <li>• Complete a symmetric figure.</li> </ul> <p><b>Key vocab</b> symmetry, quadrilateral, obtuse, acute, reflex</p>	<ul style="list-style-type: none"> <li>• Describe position.</li> <li>• Draw on a grid.</li> <li>• Move on a grid.</li> <li>• Describe a movement on a grid.</li> </ul> <p><b>Key vocab</b> direction</p>	All
National Curriculum Link	<ul style="list-style-type: none"> <li>• Compare numbers with the same number of decimal places up to two decimal places.</li> <li>• Round decimals with one decimal place to the nearest whole number.</li> <li>• Recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math> and <math>\frac{3}{4}</math>.</li> <li>• Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.</li> </ul>	<ul style="list-style-type: none"> <li>• Estimate, compare and calculate different measures, including money in pounds and pence.</li> <li>• Solve simple measure and money problems involving fractions and decimals to two decimal places.</li> </ul>	<ul style="list-style-type: none"> <li>• Read, write and convert time between analogue and digital 12- and 24-hour clocks.</li> <li>• Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</li> </ul>	<ul style="list-style-type: none"> <li>• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</li> <li>• Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</li> </ul>	<ul style="list-style-type: none"> <li>• Identify acute and obtuse angles and compare and order angles up to two right angles by size.</li> <li>• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</li> <li>• Identify lines of symmetry in 2-D shapes presented in different orientations.</li> <li>• Complete a simple symmetric figure with respect to a specific line of symmetry.</li> </ul>	<ul style="list-style-type: none"> <li>• Describe positions on a 2-D grid as coordinates in the first quadrant.</li> <li>• Plot specified points and draw sides to complete a given polygon.</li> <li>• Describe movements between positions as translations of a given unit to the left/ right and up/ down.</li> </ul>	All