



# St. Patrick's RC Primary School

## Mathematics Year 4/5 – Yearly Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value				Number: Addition and Subtraction			Number: Multiplication and Division			Measurement: Length, Perimeter and Area	
Spring	Number: Multiplication and Division			Number: Fractions					Number: Decimals (including Percentages)			
Summer	Number: Decimals (including Y4 Money)		Measurement: Time	Statistics		Geometry: Properties of Shape		Geometry: Position and Direction	Y4: Consolidation		Consolidation	
							Y5: Converting Units & Volume					

# Year 4 – Autumn Overview

		Week 1 - 4 BLOCK 1	Week 5 - 7 BLOCK 2	Week 8 - 10 BLOCK 4	Week 11- 12 BLOCK 5
		Number: Place Value	Number: Addition and Subtraction	Number: Multiplication and Division	Measurement: Length, Perimeter & Area
White Rose Maths Small Steps		<ul style="list-style-type: none"> <li><b>Numbers to 1,000</b></li> <li><b>100s, 10s and 1s</b></li> <li><b>Number line to 1,000</b></li> <li><b>Find, 1, 10, 100 more or less</b></li> <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>	<ul style="list-style-type: none"> <li><b>Add two 3-digit numbers not crossing 10 or 100.</b></li> <li><b>Add two 3-digit numbers crossing 10 or 100.</b></li> <li><b>Subtract a 3 digit number from a 3 digit number no exchange</b></li> <li><b>Subtract a 3 digit number from a 3 digit number exchange</b></li> <li></li> <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>	<ul style="list-style-type: none"> <li><b>Multiply and divide by 3</b></li> <li><b>The 3 times table</b></li> <li><b>Multiply 2 digits by 1 digit</b></li> <li><b>Divide 2 digits by 1 digit</b></li> <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>	<ul style="list-style-type: none"> <li><b>Equivalent lengths m and cm</b></li> <li><b>Equivalent lengths mm and cm.</b></li> <li><b>Add lengths</b></li> <li><b>Subtract lengths</b></li> <li><b>Measure perimeter</b></li> <li>Kilometres.</li> <li>Perimeter on a grid.</li> <li>Perimeter of a rectangle.</li> <li>Perimeter of rectilinear shapes</li> <li>What is area?</li> <li>Counting squares</li> <li>Making shapes.</li> <li>Comparing area.</li> </ul>

National Curriculum Link	<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>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>	

## Year 4 – Spring Overview

		Week 1 - 4 BLOCK 1	Week 3 - 8 BLOCK 3	Week 9 - 12 BLOCK 4
		Number: Multiplication and Division	Number: Fractions	Number: Decimals
White Rose Maths Small Steps		<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>	<ul style="list-style-type: none"> <li><b>Unit and non-unit fractions</b></li> <li><b>Tenths</b></li> <li><b>Count in tenths</b></li> <li><b>Equivalent fractions</b></li> <li><b>Add fractions</b></li> <li><b>Subtract fractions</b></li> <li><b>Fractions of a set of objects</b></li> <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> </ul>	<ul style="list-style-type: none"> <li><b>Bonds to 10 &amp; 100</b></li> <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> <li>Make a whole.</li> <li>Write decimals.</li> <li>Compare decimals.</li> <li>Order decimals.</li> </ul>

		<ul style="list-style-type: none"> <li>• Subtract from whole amounts.</li> <li>• Calculate fractions of a quantity.</li> </ul> <p>Problem solving – calculate quantities.</p>	<ul style="list-style-type: none"> <li>• Round decimals.</li> <li>• Halves and quarters.</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">National Curriculum Link</p>	<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>• 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> <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>

## Year 4 – Summer Overview

	Week 1 - 2 BLOCK 1	Week 3 BLOCK 2	Week 4 – 5 BLOCK 3	Week 6 – 8 BLOCK 4	Week 9 BLOCK 5	Week 10-11 BLOCK 6	Week 12
	Measurement: Money	Measurement: Time	Statistics	Geometry: Property of Shape	Geometry: Position and Direction	Consolidation	Investigations
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>• <b>Convert pounds and pence</b></li> <li>• <b>Add money</b></li> <li>• <b>Subtract money</b></li> <li>• <b>Find change</b></li> <li>• Pounds and pence.</li> <li>• Ordering amounts of money.</li> <li>• Using rounding to estimate money.</li> <li>• Four operations.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Telling the time to 5 minutes</b></li> <li>• <b>Telling the time to the minute</b></li> <li>• <b>Using a.m. and p.m.</b></li> <li>• <b>24-hour clock</b></li> <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>	<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>	<ul style="list-style-type: none"> <li>• <b>Turns and angles</b></li> <li>• <b>Rights angles in shapes</b></li> <li>• <b>Compare angles</b></li> <li>• <b>Recognise and describe 2-D shapes</b></li> <li>• <b>Horizontal and vertical</b></li> <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>	<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>	All	All

National Curriculum Link	<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	All

Year 5 Autumn Term				
	Week 1 - 4 BLOCK 1	Week 5-7 BLOCK 2	Week 8-10 BLOCK 4	Week 11 - 12 BLOCK 5
	Number: Place Value	Number: Addition and Subtraction	Number: Multiplication and Division	Measurement: Perimeter and Area
White Rose Maths Small Stans	<ul style="list-style-type: none"> <li><b>1000s, 100s, 10s and 1s.</b></li> <li><b>Rounding to the nearest 10</b></li> <li><b>Rounding to the nearest 100</b></li> <li>Number to 10,000.</li> <li>Roman numerals to 1,000.</li> <li>Round to the nearest 10, 100 and 1000.</li> <li>Number to 100,000.</li> <li>Compare and order numbers to 100,000.</li> <li>Round numbers within 100,000.</li> <li>Numbers to a million.</li> <li>Counting in 10s, 100s, 1,000s,</li> </ul>	<ul style="list-style-type: none"> <li><b>Add two 4-digit numbers- one exchange and more than one exchange</b></li> <li><b>Subtract two 4-digit numbers with one exchange and more than one</b></li> <li>Add whole numbers with more than 4- digits (column method).</li> <li>Subtract whole numbers with more than 4-digits (column method).</li> <li>Round to estimate</li> </ul>	<ul style="list-style-type: none"> <li><b>Multiply by 10</b></li> <li><b>Multiply by 100</b></li> <li><b>Divide by 10</b></li> <li><b>Divide by 100</b></li> <li>Multiples.</li> <li>Factors.</li> <li>Common factors.</li> <li>Prime numbers.</li> <li>Square numbers.</li> <li>Cube numbers.</li> <li>Multiplying by 10, 100 and 1000.</li> <li>Dividing by 10, 100 and 1000.</li> <li>Multiples of 10, 100 and 1000.</li> </ul>	<ul style="list-style-type: none"> <li><b>Perimeter on a grid</b></li> <li><b>Perimeter of rectangles</b></li> <li><b>Perimeter of rectilinear shapes</b></li> <li><b>Counting squares</b></li> <li>Measure perimeter.</li> <li>Calculate perimeter.</li> <li>Area of rectangles.</li> <li>Area of compound shapes.</li> <li>Area of irregular shapes.</li> </ul>

	<p>10,000s and 100,000s.</p> <ul style="list-style-type: none"> <li>Compare and order numbers to a million.</li> <li>Round numbers to a million.</li> <li>Negative numbers.</li> </ul>	<p>and approximate.</p> <ul style="list-style-type: none"> <li>Inverse operations (addition and subtraction).</li> <li>Multi-step addition and subtraction problems.</li> </ul>		
<b>National Curriculum Link</b>	<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.</li> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.</li> <li>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.</li> <li>Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000.</li> <li>Solve number problems and practical problems that involve all of the above.</li> <li>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</li> </ul>	<ul style="list-style-type: none"> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>	<ul style="list-style-type: none"> <li>Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers.</li> <li>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</li> <li>Establish whether a number up to 100 is prime and recall prime numbers up to 19.</li> <li>Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.</li> <li>Multiply and divide numbers mentally, drawing upon known facts.</li> <li>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.</li> <li>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000.</li> <li>Recognise and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>).</li> <li>Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes.</li> <li>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.</li> <li>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</li> </ul>	<ul style="list-style-type: none"> <li>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</li> <li>Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (<math>\text{cm}^2</math>) and square metres (<math>\text{m}^2</math>), and estimate the area of irregular shapes.</li> </ul>

Year 5 Spring Term			
	Week 1 - 3 BLOCK 1	Week 4 - BLOCK 2	Week 8 - 12 BLOCK 5
	Number: Multiplication and Division	Number: Fractions	Number: Decimals and Percentages
White Rose Maths Small Steps	<ul style="list-style-type: none"> <li>• <b>Multiply by 2 digits by 1 digit</b></li> <li>• <b>Multiply by 3 digits by 1 digit</b></li> <li>• <b>Divide by 2 digits by 1 digit</b></li> <li>• <b>Divide 3 digits by 1 digit</b></li> <li>• Multiply 4-digits by 1-digit.</li> <li>• Multiply 2-digits (area model).</li> <li>• Multiply 2-digits by 2-digits.</li> <li>• Multiply 3-digits by 2-digits.</li> <li>• Multiply 4-digits by 2-digits.</li> <li>• Divide 4-digits by 1-digit.</li> <li>• Divide with remainders.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>What is a fraction?</b></li> <li>• <b>Equivalent fraction s</b></li> <li>• <b>Fractions greater than 1</b></li> <li>• <b>Calculate fractions of a quantity</b></li> <li>• Equivalent fractions.</li> <li>• Improper fractions to mixed numbers.</li> <li>• Mixed numbers to improper fractions.</li> <li>• Number sequences.</li> <li>• Compare and order fractions less than 1.</li> <li>• Compare and order fractions greater than 1.</li> <li>• Add and subtract fractions.</li> <li>• Add fractions within 1.</li> <li>• Add 3 or more fractions.</li> <li>• Add fractions.</li> <li>• Add mixed numbers.</li> <li>• Subtract fractions.</li> <li>• Subtract mixed numbers.</li> <li>• Subtract – breaking the whole.</li> <li>• Subtract 2 mixed numbers.</li> <li>• Multiply unit fractions by an integer.</li> <li>• Multiply non-unit fractions by an integer.</li> <li>• Multiply mixed numbers by integers.</li> <li>• Fraction of an amount.</li> <li>• Using fractions as operators.</li> </ul>	<ul style="list-style-type: none"> <li>• Decimals up to 2 d.p.</li> <li>• Decimals as fractions (1).</li> <li>• Decimals as fractions (2).</li> <li>• Understand thousandths.</li> <li>• Thousands as decimals.</li> <li>• Rounding decimals.</li> <li>• Order and compare decimals.</li> <li>• Understand percentages.</li> <li>• Percentages as fractions and decimals.</li> <li>• Equivalent F.D.P.</li> </ul>
National Curriculum Link	<ul style="list-style-type: none"> <li>• Multiply and divide numbers mentally drawing upon known facts.</li> <li>• 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.</li> <li>• 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.</li> <li>• Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.</li> </ul>	<ul style="list-style-type: none"> <li>• Compare and order fractions whose denominators are multiples of the same number.</li> <li>• Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths.</li> <li>• Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt;1</math> as a mixed number [for example <math>\frac{7}{5} + \frac{1}{5} = \frac{8}{5} = 1\frac{3}{5}</math>].</li> <li>• Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</li> <li>• Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.</li> <li>• Read and write decimal numbers as fractions [ for example <math>0.71 = \frac{71}{100}</math> ].</li> <li>• Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</li> </ul>	<ul style="list-style-type: none"> <li>• Read, write, order and compare numbers with up to three decimal places.</li> <li>• Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.</li> <li>• Round decimals with two decimal places to the nearest whole number and to one decimal place.</li> <li>• Solve problems involving number up to three decimal places.</li> <li>• Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</li> <li>• Solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{2}{5}</math>, <math>\frac{3}{5}</math> and those fractions with a denominator of a multiple of 10 or 25.</li> </ul>



Year 5 Summer Term							
	Week 1 - 2 BLOCK 1	Week 3 BLOCK 2	Week 4 - 5 BLOCK 3	Week 6 - 8 BLOCK 4	Week 8-9 BLOCK 5	Week 9- 11 BLOCK 6	Week 12
	Number: Decimals	Measurement: Time	Statistics	Geometry: Properties of Shape	Geometry: Position and Direction	Measurements: Volume & Converting Units	Consolidation
White Rose Maths Small Cane	<ul style="list-style-type: none"> <li>Adding decimals within 1.</li> <li>Subtracting decimals within 1.</li> <li>Complements to 1.</li> <li>Adding decimals – crossing the whole.</li> <li>Adding decimals with the same number of decimal places.</li> <li>Subtracting decimals with the same number of decimal places.</li> <li>Adding decimals with a different number of decimal places.</li> <li>Subtracting decimals with a different number of decimal places.</li> <li>Adding and subtracting whole and decimals.</li> <li>Decimal sequences.</li> <li>Multiplying decimals by 10, 100 and 1000.</li> <li>Dividing decimals by 10, 100 and 1,000.</li> </ul>	Converting units of time.  Timetables.	<ul style="list-style-type: none"> <li><b>Interpret charts</b></li> <li><b>Comparison, sum and difference</b></li> <li><b>Introduce line graphs</b></li> <li>Read and interpret line graphs.</li> <li>Draw line graphs.</li> <li>Use line graphs to solve problems.</li> <li>Read and interpret tables.</li> <li>Two way tables.</li> <li>Timetables.</li> </ul>	<ul style="list-style-type: none"> <li><b>Identify angles</b></li> <li><b>Compare and order angles</b></li> <li><b>Triangles</b></li> <li><b>Quadrilaterals</b></li> <li>Measuring angles in degrees.</li> <li>Measuring with a protractor (1).</li> <li>Measuring with a protractor (2).</li> <li>Drawing lines and angles accurately.</li> <li>Calculating angles on a straight line.</li> <li>Calculating angles around a point.</li> <li>Calculating lengths and angles in shapes.</li> <li>Regular and irregular polygons.</li> <li>Reasoning about 3D shapes.</li> </ul>	<ul style="list-style-type: none"> <li><b>Describe position</b></li> <li><b>Draw on a grid</b></li> <li><b>Lines of symmetry</b></li> <li><b>Complete a symmetric figure</b></li> <li>Position in the first quadrant.</li> <li>Reflection.</li> <li>Reflection with coordinates.</li> <li>Translation.</li> <li>Translation with coordinates.</li> </ul>	<ul style="list-style-type: none"> <li><b>Kilometres</b></li> <li>Kilograms and kilometres.</li> <li>Milligrams and millilitres.</li> <li>Metric units.</li> <li>Imperial units.</li> <li>Converting units of time.</li> <li>Timetables.</li> <li>What is volume?</li> <li>Compare volume.</li> <li>Estimate volume.</li> <li>Estimate capacity.</li> </ul>	All
National Curriculum Link	<ul style="list-style-type: none"> <li>Solve problems involving number up to three decimal places.</li> <li>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>Use all four operations to solve problems involving measure [ for example, length, mass, volume, money] using decimal notation, including scaling.</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems involving converting between units of time.</li> </ul>	<ul style="list-style-type: none"> <li>Solve comparison, sum and difference problems using information presented in a line graph.</li> <li>Complete, read and interpret information in tables including timetables.</li> </ul>	<ul style="list-style-type: none"> <li>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</li> <li>Use the properties of rectangles to deduce related facts and find missing lengths and angles.</li> <li>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</li> <li>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml].</li> <li>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.</li> <li>Solve problems involving converting between units of time.</li> </ul>	All

				<ul style="list-style-type: none"> <li>• Draw given angles, and measure them in degrees.</li> <li>• Identify: angles at a point and one whole turn (total <math>360^\circ</math>), angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^\circ</math>) other multiples of <math>90^\circ</math>.</li> </ul>		<ul style="list-style-type: none"> <li>• Estimate volume [for example using <math>1\text{cm}^3</math> blocks to build cuboids (including cubes)] and capacity [for example, using water].</li> <li>• Use all four operations to solve problems involving measure.</li> </ul>	
--	--	--	--	---	--	--	--

