

Class 4 Curriculum Overview 2023/24

In Year 5 and 6, children extend their number knowledge by using much larger numbers and solving more complex problems. By the end of Year 6, children should be fluent in all 4 written methods, including long division and multiplication, and in working with fractions, decimals and percentages.

	<u>Week 1</u>	<u>Week 2</u>	<u>Week 3</u>	<u>Week 4</u>	<u>Week 5</u>	<u>Week 6</u>	<u>Week 7</u>	<u>Week 8</u>
Autumn 1	Number 1- Place value in whole numbers (Integers) Roman Numerals, representing numbers, comparing and ordering, rounding		Calculating 1 – Addition/subtraction Mental strategies, Vertical addition, vertical subtraction, problem solving	Number 2 – Number Facts Multiples, common multiples, factors, common factors, square/cube numbers, prime numbers, multiplying/dividing by 10, 100, 1000, reasoning		Calculating 2 – Multiplication/ division Short multiplication, (up to 4 digits by 1 digit), long multiplication (Up to 4 digit by 2 digit), Short division (up to 4 digits by 1 digit), Long division (Up to 4 digit by 2 digit), problem solving		Measurement 1– area, perimeter (rectilinear shapes) and volume Perimeter, area, problems involving perimeter and area, finding volume
Autumn 2	Number 3 – Place value in decimal numbers Tenths, hundredths, thousands, comparing and ordering, rounding, Standard written methods using all four operations, finding remainders as	Decimals/Fractions/ Percentages 1 - Decimal/fraction equivalents, converting decimals to fractions, converting fractions to decimals using division methods,	Measurement 2 – units of measure Metric measures, converting metric units, miles and kilometre, imperial conversions Measuring capacity	Fractions 1 – equivalent fractions, simplifying fractions, recognising mixed numbers and improper fractions, converting between mixed numbers and improper fractions	Fractions 2 – Calculating with fractions Adding fractions, subtracting fractions, multiplying fractions, dividing fractions Mixed problems involving fractions			

	decimals (short division) Problem solving						
Spring 1	Fractions 3 – Finding fractions of quantities and amounts	Decimals/Fractions/ Percentages 2 - Percentages as amounts out of 100, find equivalents between decimals, fractions and percentages Find percentages of amounts, solve problems involving percentages	Number 4 – negative numbers Position negative numbers on a number line, find differences between positive and negative numbers, use negative numbers in context	Geometry 1 – properties of shape Properties of 2D shapes (including circles), properties of 3D shapes, recognise perpendicular lines, lines of symmetry, recognise simple 3D shapes from their net	Geometry 2 – angles Types of angle, recognising angles, estimating and measuring, drawing, missing angles in triangles and on a straight line, missing angles around a point, vertically opposite angles		
Spring 2	Number 5 – Order of operations Consolidation of calculation methods (including mental strategies and fractions, use brackets in calculations, follow order of operations, problems and reasoning involving order of operations	Geometry 3 – position and direction on a grid with up to four quadrants Read and plot coordinates on a grid, draw shapes using points on a grid, recognise and complete translations (including those across an axis), reflect shapes in the x and y axis, reflect shapes in a mirror line	Algebra/reasoning about numbers Use of function machines, form simple expressions, substitution, formulae, form equations, solve 1-step equations, solve 2-step equations	Measurement 3 – area and perimeter of triangles and irregular polygons Area of a triangle – counting squares, area of a right-angled triangle, area of any triangle, area of a parallelogram			

Summer 1	Ratio and proportion /reasoning about number 1 Consolidation of previous learning through number puzzles and problems in context, introduce language of ratio, ratio symbol, scale up/down	Statistics 1 – read and interpret graphs and charts, finding averages Reading scales including those with missing divisions, interpreting bar charts, pictograms, line graphs, pie charts, representing data in different ways, find the mean of a set of data	Measurement 4 – time Read time on analogue and digital clocks, Convert between 12 and 24 hour clock, use time lines to solve problems about time, read time tables to solve problems	<u>ASSESSMENT WEEK</u>	Ratio and proportion /reasoning about number 2 Use scaling to determine measurement on maps and plans, calculate relative distance from scale drawings, use scaling to create accurate drawings		
Summer 2	Calculation – Revision (Addition and subtraction) Revise the standard written method for addition and subtraction including the use of decimal numbers, choose and use the appropriate calculation method when	Calculation – Revision (multiplication and division) Revise the standard written method for multiplication and division including the use of decimal numbers, choose and use the appropriate calculation method when solving real life problems in context.	Statistics 2 – collect data and present using graphs and charts Ask mathematically valid questions, collect data, use frequency tables, construct bar charts, construct line graphs, construct pie charts, create valid questions based on their own data	Reasoning and Problem solving Revise the taught curriculum by completing questions from across all strands of the units, investigate different ways of representing problems to aid with calculations	<u>RESIDENTIAL VISIT</u>		

	solving real life problems in context.						
--	--	--	--	--	--	--	--