



Class 1 –Curriculum Overview 3, 4

	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 13 weeks	Place Value				Addition and Subtraction						Graphs and Statistics	
Spring 12 weeks	Multiplication and division					Fractions & Decimals					Coordinates & Angles	
Summer 13 weeks	Measurement – Length & Perimeter		Time			Shape			Volume, capacity		Consolidation and application	



Class 1 –Curriculum Overview 3, 4

	Week 1 – 4 Place Value	Week 5–10 Addition & Subtraction	Week 11–12 Statistics
Autumn Term 13 weeks	<p>Read and write numbers up to 1000 in numerals and in words. Identify, represent and estimate numbers using different representations.</p> <p>Find 10 or 100 more or less than a given number.</p> <p>Find 1000 more or less than a given number.</p> <p>Recognise the place value of each digit in a 3 digit number.</p> <p>Recognise the place value of each digit in a 4 digit number.</p> <p>Order and compare numbers to 1000.</p> <p>Order and compare numbers beyond 1000.</p> <p>Count from 0 in multiples of 50 and 100</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Solve number problems and practical problems involving these ideas.</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>Count backwards through zero to include negative numbers.</p> <p>Round any number to the nearest 10, 100 or 1000</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>	<p>Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p> <p>Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p> <p>Add and subtract amounts of money to give change using both £ and p in practical contexts.</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Measure, compare, add and subtract: lengths (mm, cm, m); mass (kg/g); volume/capacity (l/ml).</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p>Interpret and present data using bar charts, pictograms and tables.</p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>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.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>



Class 1 –Curriculum Overview 3, 4

	Class 1 –Curriculum Overview 3, 4		
	Week 1 – 5 Multiplication & Division	Week 6–10 Fractions & Decimals	Week 11–12 Coordinates & Angles
Spring Term 12 weeks	<p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Recall and use multiplication and division facts for multiplication tables up to 12 x 12.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>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.</p> <p>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>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.</p> <p>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.</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>Find the area of rectilinear shapes by counting squares (link to multiplication)</p>	<p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>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.</p> <p>Count up and down in tenths.</p> <p>Count up and down in hundredths.</p> <p>Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>Find the effect of multiplying and 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.</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Add and subtract fractions with the same denominator within one whole.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Solve problems that involve all of the above.</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places</p>	<p>Recognise angles as a property of shape or a description of a turn.</p> <p>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.</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>Describe positions on a 2D grid as coordinates in the first quadrant.</p> <p>Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p> <p>Plot specified points and draw sides to complete a given polygon.</p>



Class 1 –Curriculum Overview 3, 4

	Week 1 – 2 Measurement – Length & Perimeter	Week 3-5 Time	Week 6-8 Shape	Week 9–10 Measurement – Volume & Capacity	Week 11–12 Consolidation & Application
Summer Term 13 weeks	<p>Measure, compare, add and subtract: lengths (m/cm/mm).</p> <p>Measure the perimeter of simple 2D shapes.</p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units.</p> <p>Convert between different units of measure e.g km-m</p>	<p>Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks.</p> <p>Read, write & convert time between analogue and digital 12 and 14 hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Convert between different units of measure eg hour to minute.</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events (for example to calculate the time taken by particular events or tasks).</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p> <p>Draw 2-D shapes</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Make 3-D shapes using modelling materials.</p> <p>Recognise 3-D shapes in different orientations and describe them</p>	<p>Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml).</p> <p>Investigate volume and capacity in a practical context.</p>	<p>Follow own fascinations in mathematics using investigative learning.</p>



Class 1 –Curriculum Overview 3, 4