

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
W 1	Mental addition and subtraction	Number and place value and Fractions	Number and place value and calculating mentally	Written addition and subtraction	Fractions	Addition and subtraction (written and mental methods)
W 2	Number and place value	Place value and Addition and subtraction	Multiplication and division	Written addition and subtraction	Multiplication and division (measures)	Problem solving strategies
W 3	Multiplication and division	Measuring length and capacity	Fractions	Time	Written multiplication and division	2D shapes and Time
W 4	Time	Rounding numbers and calculating mentally	2D shapes (incl. perimeter and angles)	Mental addition and subtraction	Statistics	Written multiplication and division
W 5	Place value and subtraction	Multiplication and division	Ordering and rounding numbers to calculate mentally	Written multiplication and division	Addition	Addition and subtraction (written and mental methods)
W 6	Assess and review week	Assess and review week	Assess and review week	Assess and review week	Assess and review week	Assess and review week

Mathematics Objectives Year Three

	Mathematics Objectives
	I can...
Number and Place Value	<ul style="list-style-type: none"> • count from 0 in multiples of 4, 8, 50 and 100 • find 10 or 100 more or less than a given number • compare and order numbers up to 1000 • identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words • recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • solve number problems and practical problems involving these ideas. • tell and write the time from an analogue clock,

	including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (replicated in Measurement)
Addition and subtraction	<ul style="list-style-type: none"> • add and subtract numbers mentally, including: <ul style="list-style-type: none"> - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds • add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • estimate the answer to a calculation and use inverse operations to check answers • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Multiplication and division	<ul style="list-style-type: none"> • count from 0 in multiples of 4, 8, 50 and 100 (replicated in Number and Place Value) • recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods • estimate the answer to a calculation and use inverse operations to check answers (replicated in Addition and Subtraction) • 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 objects
Fractions	<ul style="list-style-type: none"> • count up and down in tenths • recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators • recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

	<ul style="list-style-type: none"> compare and order unit fractions, and fractions with the same denominators recognise and show, using diagrams, equivalent fractions with small denominators add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$) solve problems that involve all of the above
Ratio and Proportion	<i>There are no new Mathematics Objectives in this strand for this year group.</i>
Algebra	<ul style="list-style-type: none"> solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (replicated in Addition and Subtraction) solve problems, including missing number problems, involving multiplication and division, including integer scaling (replicated in Multiplication and Division)
Measurement	<ul style="list-style-type: none"> compare durations of events, for example to calculate the time taken by particular events or tasks estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time) measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) measure the perimeter of simple 2-D shapes add and subtract amounts of money to give change, using both £ and p in practical contexts tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks know the number of seconds in a minute and the number of days in each month, year and leap year
Geometry – Properties of shapes	<ul style="list-style-type: none"> draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn

	<p>and four a complete turn; identify whether angles are greater than or less than a right angle</p> <ul style="list-style-type: none"> • identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Geometry – Position and direction	<i>There are no new Mathematics Objectives in this strand for this year group.</i>
Statistics	<ul style="list-style-type: none"> • interpret and present data using bar charts, pictograms and tables • solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables