Year 3 Maths Curriculum Overview

Across Year 3, the curriculum objectives are initially covered in the half term stated below; in addition to this, activities which consolidate, extend and recap these explicit objectives will be planned throughout the year across the curriculum, where possible. The daily Maths lesson will cover new areas of learning for the children and opportunities to review prior learning will be thread throughout. Arithmetic skills are constantly developed through age-appropriate mental arithmetic reviews, undertaken weekly/fortnightly independently or as a whole class activity. For each of the Year 3 Maths curriculum objectives listed below, there will be planned opportunities for children of all abilities to: demonstrate their developing fluency; undertake reasoning activities; and solve problems of increasing complexity. Within each objective, there will also be increased opportunities for all pupils to work through the CPA (concrete-pictorial-abstract) approach to ensure adequate depth of mathematical understanding.

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer term 2
Number – Place Value	Count from 0 in multiples of 4, 8, 50 and 100. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and words. Recognise the place value of each digit a three-digit number. Compare and order numbers up to 1000. Solve number problems and practical problems involving these ideas.	Find 10 or 100 more or less than a given number.				
Number – Addition & Subtraction	Estimate the answer to a calculation and use inverse operations to check answers. Add and subtract numbers mentally including: 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. Solve problems including missing number problems, using number facts, place value, and more complex addition and subtraction.				
Number – Multiplication & Division		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 by one-digit numbers, using mental and progressing to formal written methods. 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.			
Number - Fractions				Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.	Recognise and show, using diagrams, equivalent fractions with small denominators. Compare and order unit fractions, and fractions with the same denominators. Add and subtract fractions with the same denominator within one whole. Solve problems that involve all of the above.	
Measurement			Add and subtract amounts of money to give change, using both £ and p in practical contexts.	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Measure the perimeter of simple 2D shapes.	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

					Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events.	
Geometry - Shape						Draw 2D shapes. Make 3D shapes using modelling materials; recognise 3D 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 and four a complete turn; identify whether angles are greater than or less than a right angle. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
Statistics			Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables.			