Year 2 Maths Curriculum Overview

Across Year 2, 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 2 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 in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward. Read and write numbers to at least 100 in numerals and in words. Identify, represent and estimate numbers using different representations, including the number line. Recognise the place value of each digit in a two-digit number. Compare and order numbers from 0 up to 100; use <, > and = signs. Use place value and number facts to solve problems.					
Number – Addition & Subtraction	Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Add and subtract numbers using concrete objects, pictorial representations and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; and adding three one-digit numbers. Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; and applying their increasing knowledge of mental and written methods.				Consolidate: show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Consolidate: solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; and applying their increasing knowledge of mental and written methods.
Number – Multiplication & Division		Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.			Consolidate: solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
Number - Fractions				Recognise, find, name and write fractions (thirds and quarters) of a length, shape, set of objects or quantity.		

				Recognise the equivalence of two quarters and one half. Write simple fractions, for example half of 6 = 3.		
Measurement		Recognise and use symbols for pounds and pence; combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.		Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature; capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.	Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on the clock face to show these times.	Know the number of minutes in an hour and the number of hours in a day. Compare & order lengths, mass, & record the results using >, < and =.
Geometry - Shape			Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. Compare and sort common 2D shapes and everyday objects.	Identify 2D shapes on the surface of 3D shapes. Recognise and name common 3D shapes. Compare and sort common 3D shapes and everyday objects.		
Geometry – Position & Direction			Order and arrange combinations of mathematical objects in patterns and sequences.		Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).	
Statistics			Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.			