Maths Long Term Plan Year 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<u>Number:</u> Number and Place Value: - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. - Recognise the place value of each digit in a two-digit number (tens, ones). - Identify, represent and estimate numbers using different representations, including the number line. - Compare and order numbers from 0 up to 100; use <, > and = signs. - Read and write numbers to at least 100 in numerals and in words. - Use place value and number facts to solve problems.	<u>Number:</u> Addition and Subtraction: - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and tens - two two-digit numbers. - Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. <u>Geometry:</u> Properties of Shapes - Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. - Identify and describe the properties of 3-D shapes,	<u>Measure:</u> Money: - Recognise and use symbols for pounds (£) and pence (p); 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. <u>Number:</u> Multiplication and Division: - recall and use multiplication and division facts for the 2-multiplication table, including recognising odd and even numbers. - Calculate mathematical statements for multiplication and division within the 2-multiplication table and write them using the multiplication (×), division (÷) and equals (=) signs.	<u>Number:</u> Multiplication and Division: - Recall and use multiplication and division facts for the 5 and 10 multiplication tables, including recognising odd and even numbers. - Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. - 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.	<u>Number:</u> Fractions: - Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity - Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2. <u>Measure:</u> Time: - 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 a clock face to show these times - Know the number of minutes in an hour and the number of hours in a day.	<u>Statistics:</u> - 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. <u>Geometry:</u> Position and 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).

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<u>Number:</u> Addition and Subtraction: - Solve problems with addition and subtraction: - using concrete objects and pictorial representations, including those involving numbers, quantities and measures - applying their increasing knowledge of mental and written methods. - Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - adding three one-digit numbers.	including the number of edges, vertices and faces - Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] - Compare and sort common 2-D and 3-D shapes and everyday objects.	- 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.	<u>Measurement:</u> Length and Height: - Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers. - Compare and order lengths, and record the results using >, < and =. <u>Measurement:</u> Mass, Capacity and Temperature: - Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels - Compare and order mass, volume/capacity and record the results using >, < and =		