Maths Long Term Plan Year 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number: Number and Place Value: - Recognise the place value of each digit in a two-digit number (10s, 1s) - Read and write numbers to at least 100 in numerals and in words. Number: Addition and Subtraction: - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and 1s * a two-digit number and 10s * 2 two-digit numbers * adding 3 one-digit numbers Number: Multiplication and Division: - Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	Number: Number and Place Value: - Compare and order numbers from 0 up to 100; use <, > and = signs. Number: Addition and Subtraction: - Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Number: Fractions - Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length or shape. Measurement: 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.	Number: Number and Place Value: - Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward. Number: Addition and Subtraction: - Show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another cannot. Number: Multiplication and Division: - 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.	Number: Number and Place Value: - Identify, represent and estimate numbers using different representations, including the number line. Number: 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. Number: Fractions: - Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a set of objects or quantity.	Number: Number and Place Value: - Use place value and number facts to solve problems. Number: 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- Revisit. Number: Multiplication and Division: - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	Number: Number and Place Value: - Use place value and number facts to solve problems- Revisit. Number: Addition and Subtraction: - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Number: Fractions: - Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½. Geometry: Properties of Shape: - Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid].

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Measurement: **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. **Measurement:** **Mass:** - Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using scales. - Compare and order mass, and record the results using >, < and =. **Geometry:** **Properties of Shape:** - Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. - Compare and sort common 2-D shapes and everyday objects.	**Geometry:** **Position and Direction:** - Order and arrange combinations of mathematical objects in patterns and sequences. **Statistics:** - Interpret and construct simple **pictograms** and **tally charts**. - 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.	**Measurement:** **Capacity and Temperature** - Choose and use appropriate standard units to estimate and measure temperature (°C) and capacity (litres/ml) to the nearest appropriate unit, using thermometers and measuring vessels - Compare and order volume/capacity and record the results using >, < and =. **Geometry:** **Properties of Shape:** - Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. - Compare and sort common 3-D shapes and everyday objects.	**Measurement:** **Money:** - Find different combinations of coins that equal the same amounts of money- Revisit. **Measurement:** **Length:** - 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 =. **Measurement:** **Time:** - Compare and sequence intervals of time.	**Geometry:** **Position and Direction:** - 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 anticlockwise). **Measurement:** **Money:** - Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	**Statistics:** - Interpret and construct simple **block diagrams** and 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. **Measurement:** **Allocate as needed**