Maths Long Term Plan Year Two

Autumn 1	Spring 1	Summer 1
• Identify and describe the properties of 2D shapes, including the number of sides. • Count in steps of 2, 3 and 5 from 0, and in tens from any number, forwards and backwards • Recognise the place value of each digit in a 2 digit number (tens and 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 words • Use place value and number facts to solve problems • Add and subtract numbers using concrete objects and pictorial representations including: A 2 digit number and ones A 2 digit number and tens Two 2 digit numbers Adding three 1 digit numbers	• Compare and sort common 2D and 3D shapes and everyday objects • Know the number of minutes in an hour and the number of hours in a day • Compare and sequence intervals of time • Choose and use appropriate standard units to estimate and measure length/ height in any direction (m / cm) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Compare and order lengths and record the results using < > and = • Identify, represent and estimate numbers using different representations, including the number line • Count in steps of 2, 3 and 5 from 0, and in tens from any number, forwards and backwards • 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 and pictorial representations including: A 2 digit number and ones A 2 digit number and tens Two 2 digit numbers • Show that addition 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 • Solve problems including multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	• Use mathematical vocabulary to describe position and 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) • Choose and use appropriate standard units to estimate and measure capacity (l / ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Compare and order volume/ capacity and record the results using < > and = • Tell and write the time to 5 minutes, including quarter past / to the hour and draw the hands on a clock face to show these times • Compare and sequence intervals of time • Recognise, find, name and write fractions 1/3, $\frac{1}{4}$, 2/4 and $\frac{3}{4}$ of a length, shape, set of objects or quantity • Write simple fractions (e.g. $\frac{1}{2}$ of 6 =3 and recognise the equivalence of 2/4 and $\frac{1}{2}$)

Maths Long Term Plan Year Two

Autumn 2	Spring 2	Summer 2
• Add and subtract numbers using concrete objects and pictorial representations including: A 2 digit number and ones A 2 digit number and tens Two 2 digit numbers Adding three 1 digit numbers • Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces • Identify 2D shapes on the surface of 3D shapes (e.g. a circle on a cylinder and a triangle on a pyramid) • Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value • 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 • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division and equals (=) signs • Show that multiplication of 2 numbers can be done in any order (commutative) and division of one number by another cannot	• Choose and use appropriate standard units to estimate and measure temperature (Celcius) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change • Tell and write the time to 5 minutes, including quarter past / to the hour and draw the hands on a clock face to show these times • Recognise, find, name and write fractions 1/3, $\frac{1}{4}$, 2/4 and $\frac{3}{4}$ of a length, shape, set of objects or quantity • Write simple fractions (e.g. $\frac{1}{2}$ of 6 =3 and recognise the equivalence of 2/4 and $\frac{1}{2}$) • 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	• Choose and use appropriate standard units to estimate and measure mass (g/ kg) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Compare and order mass and record the results using < > and = • Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line • Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces • Tell and write the time to 5 minutes, including quarter past / to the hour and draw the hands on a clock face to show these times • Compare and sequence intervals of time • 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