Maths Medium Term Plan 2021-2022: Y2

Autumn 1 (7 weeks)	Autumn 2 (7 weeks)

Year 2.1 Place Value
○ Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backwards
○ Recognise the place value of each digit in a two-digit number (tens, ones)
○ Identify and represent numbers using representations, including the number line
○ Measure length/height, mass, temperature and capacity to the nearest appropriate unit using representations similar to a number line (ruler, scale, thermometer, measuring vessels)
○ Compare and order numbers from 0 up to 100 (< > =) including lengths, mass, volume/capacity
○ Read and write numbers to at least 100 in numerals and in words
○ Use place value and number facts to solve problems
 	
Year 2.12 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
	Year 2.2 Addition and subtraction
	○ Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures
	○ Recall and use addition and subtraction facts to 20 fluently
	○ 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
	  ○ adding three one-digit numbers
	○ show that addition of two numbers can be done in any order (commutative)
	○ recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems
	
	Year 2.9 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 amount of money
	○ Solve addition and subtraction problems involving money of the same unit, including giving change.

Spring 1 (6 weeks)	Spring 2 (6 weeks)
Year 2.3 Multiplication and division ○ Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables ○ Recognise 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 the context of measure	**Year 2.4 Fractions** ○ Recognise, find, name and write fractions (one third, one quarter, two quarters, three quarters) of a length, shape, set of objects or quantity ○ Write simple fractions e.g. one half of 6 = 3 ○ Recognise the equivalence of ½ and 2/4

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Summer 1 (6 weeks)	Summer 2 (7 weeks)
Year 2.6 Shape o Identify and describe the properties of 2D shapes, including line symmetry in a vertical line o Identify and describe the properties of 3D shapes (edges, faces, vertices) o Compare and sort common 2D and 3D shapes (including using Venn diagrams) **Year 2.5 Position and direction** o 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)	**Year 2.8 Time** o Tell and write the time to the nearest 5 minutes, including quarter past/to the hour and draw the hands on a clock face to show these times **Consolidation**