Maths Medium Term Plan: Year 2   Summer – second half (Term 3b)

Wk	Topics	Objectives
1	**Number** • multiplication • estimation • adding 3 numbers • reasoning of addition and subtraction • missing number problems	• Know that multiplication problems can be written in either order • Use mental recall to solve x2, x3, x5 and x10 multiplication sums • Use 'lots of' 2, 5 and 10 facts to solve other 'lots of' sums • Know whether an answer is right or wrong based on this knowledge of multiplication • Be able to add 3 numbers together and know that addition can be calculated in any order • Explain reasons for problem solving, based on recall of key number facts • Explain how an addition sum should be calculated • Know the rules for addition and subtraction and to explain this reasoning • Recognise that addition is the inverse of subtraction • Use the inverse operation to solve more complex missing number problems • Understand that a missing number problem must be 'balanced' to be correct
2	**Number** • fractions • comparing fractions • fraction word problems • division and remainders	• Solve fractions of amounts using sharing • Compare fractions of amount by investigating the relationships between a range of numbers • Use understanding of fractions to investigate 'real life' problems • Solve fractions of amounts of money • Recall number facts relating to money • Understand the relationship between halves and doubles of numbers • Say whether a fraction is more or less than another, using the signs ‹ and › • Solve fraction word problems • Use this knowledge of fractions to solve investigations at a greater depth • Use knowledge of remainders to solve division problems

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3	**Statistics** • frequency charts • bar charts • pictograms • data handling questions **Measurement** • time	• Solve a given problem by carrying out activities relating to statistics • Collecting data using a frequency chart, using knowledge of multiples of 5 • Presenting data in the form of a bar chart • Begin to make decisions when drawing an accurate scale, using increments of 2, 5, 10 • Accurately read a scale on a bar chart • Begin to analyse data displayed in different forms and to understand what it shows • Answer data handling questions, using different sets of data to make reasoned judgements • Use and read the vocabulary related to time. • Read the time to the hour, half hour or quarter hour on an analogue and digital clock • Read and write the time to the nearest 5 minutes • Understand the relationship between seconds, minutes and hours
4	**Number** • doubles • calculating change • properties **Geometry** • sorting and comparing 2D and 3D shapes	• Recall double facts within 20 • Partition 2-digit numbers into tens and units • Double 2-digit numbers within 100, by partitioning into tens and units • Use doubles facts to calculate near doubles • Calculate change from £1.00 using subtraction • Talk about and compare the properties of 2D and 3D shapes and sort these using a Carroll Diagram • Talk about and compare the properties of different numbers and sort these using a Venn diagram, based on 2 criteria
5	**Geometry** • turning • clockwise and anti-clockwise • giving and following directins **Number** • place value **Measurement** • reading scales • ordering measurements	• Recognise movement in terms of straight and turning movements • Recognise clockwise and anti-clockwise turns • Recognise ¼ ½ ¾ and full turns • Give and follow a set of directions to get from one place to another • Recognise place value in 4-digit numbers • Order 4-digit number and say if a number is more or less than another, using the symbols ‹ and › • Be able to read a scale shown in divisions of 1, 2, 5 and 10, where not all numbers are shown • To order measurements using the symbols ‹ and ›

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6	**Number** • addition & subtraction • number doubles • multiplication facts • 'Real life' number problems relating to: • money • measurement • statistics • geometry	• Be able to read and write the time to quarter past and half past the hour on digital and analogue clocks • Be able to read and write the time to quarter to the hour on digital and analogue clocks • Be able to read and write the time at 5 minute intervals on digital and analogue clocks • Order intervals of time from the shortest to the longest using the symbols ‹ and › • Convert intervals of time from seconds to minutes, and from minutes to hours • Sort data by listing it in a table • Analyse a set of data and know what it shows • Make independent decisions about how best to find and present a set of data • Answer data handling questions