Maths Medium Term

Year: 4 **Term: Autumn** **Teacher: Miss McMath**

Week	Topic	Objectives
Week 1	Place Value	• Read and write numbers to 10000 • Order and compare numbers beyond 1000 • Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones) • Identify, represent and estimate numbers using different representations, including the number line • Solve problems involving number and place value.
Week 2	Addition and Subtraction	• Estimate answers • *Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method* • Add numbers with up to 4 digits using a compact written method of addition • Subtract numbers with up to 4 digits using an expanded method of subtraction • Add numbers with up to 4 digits and decimals with one decimal place using a written method of addition • Subtract numbers with up to 4 digits and decimals with one decimal place using an expanded method of subtraction • Use inverse to check the answers to calculations • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Week 3	Decimal Fractions	• Count in tenths *on counting stick* • *Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10(year 3)* • *Identify the value of each digit to one decimal place*

		• *Read and write numbers with one decimal place* • *Partition numbers into ones and tenths (for example, 2.3 = 2 + 0.3)* • *Order and compare numbers with one decimal place including on a number line* • *Solve problems involving ordering numbers to one decimal place*
Week 4	Measures-Length	• *Read and interpret the scale on a range of measuring equipment* • Estimate, compare and calculate different lengths in meters and/or centimetres • Estimate answers • *Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method* • Add two or more lengths with up to 4 digits (including decimals with two decimal places) using a written method of addition where appropriate • Subtract lengths up to 4 digits (including decimals with two decimal places) using a written method of subtraction where appropriate • Use inverse to check the answers to calculations • *Revise perimeter (Y3)* • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and/or metres. • Convert between different units of measure (e.g. kilometre to metre) • Solve problems involving length.
Week 5	Measure - Money	• *Revise coinage and notes* • *Continue to recognise and use symbols for pounds (£) and pence (p)* • *Understand that the decimal point separates pounds and pence* • Estimate answers • *Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method* • Add two or more amounts of money with up to 4 digits (including decimals with two decimal places) using a written method of addition where appropriate • Subtract amounts of money with up to 4 digits (including decimals with two decimal places) using a written method of subtraction where appropriate • Use inverse to check the answer to calculations • Give change from £20 • Solve problems involving money

Week 6 & 7	Written Multiplication (Grid Method) and Division	• Estimate answers • *Consider the most appropriate strategy to solve a calculation calculate mentally, use a jotting or a written method* • *Use partitioning to double or halve any number, including decimals to one decimal place* • Recall multiplication and division facts for the 6x and 9x tables. • Identify patterns of similar calculations, *e.g. if I know 5 x 9, I also know 0.5 x 0.9, 90 x 5, 90 x 50 etc.* • Find factor pairs for numbers within known tables • Multiply two-digit and three-digit numbers by a one-digit number using an expanded written layout • Use inverse to check answers to calculations • Solve problems involving multiplying and adding • Solve problems involving division (including remainders)
Week 8	Shape and Position and Direction	• *Continue to identify horizontal and vertical lines and pairs of perpendicular and parallel lines (year 3)* • Identify acute and obtuse angles and compare • Order angles up to two right angles by size • Identify lines of symmetry in 2-D shapes • Sort geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. • Solve problems involving position and /or direction • Solve problems involving shapes
Week 9	Statistics	• *Read and interpret a range of scales- link to number line* • Interpret and present discrete using appropriate graphical methods, including bar charts and time graphs • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
Week 10 & 11	Measures - Time	• *Revise estimating and reading time to a least the nearest five minutes* • *(Y 3) on an analogue clock* • *Continue to record and compare time as minutes and hours (Y 3) crossing the hour on an analogue clock* • *Read time on a digital clock* • *Record and compare time as minutes and hours crossing the hour on a digital clock (12*

		hour) • *Use vocabulary of time (Y 3)* • Convert time between analogue and digital clocks and times • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days