Maths Medium Term Plan 2021-2022: Y4

Autumn 1 (7 weeks)	Autumn 2 (7 weeks)
Year 4.1 Place Value - o Count in multiples of 6,7,9,25 and 100 - o Find 1000 more or less than a given number - o Count backwards through zero to include negative numbers (including in the context of temperature) - o Recognise the place value of each digit in a four-digit number - o Order and compare numbers beyond 1000 (including in the context of units of measure: mm/cm/m, g/kg, ml/l) - o Identify, represent and estimate numbers using different representations - o Round any number to the nearest 10, 100 or 1000 and use this to estimate the answer to simple + - x / calculations	**Year 4.12 Statistics** - o Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts - o Solve comparison, sum and difference problems using information presented in bar charts, pictograms and tables **Year 4.2 Addition and subtraction** - o Add and subtract numbers with up to 4 digits using the formal written method of columnar addition and subtraction where appropriate- including addition of money in pounds and pence, and units of measure (length, mass, capacity) - o Use inverse operations to check answers to a calculation

Spring 1 (6 weeks)	Spring 2 (6 weeks)
Year 4.3 Multiplication and division - o Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1, dividing by 1, multiplying together 3 numbers - o Recognise and use factor pairs and commutativity in mental calculations - o Multiply two and three digit numbers by a one digit number using formal written layout - o Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	**Year 4.8 Time** - o Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days **Year 4.4 Fractions, including decimals** - o Recognise and show, using diagrams, families of common equivalent fractions - o Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10 - o Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number - o Add and subtract fractions with the same denominator

Maths Medium Term Plan 2021-2022: Y4

Summer 1 (6 weeks)	Summer 2 (7 weeks)

Year 4.4 Fractions, including decimals
   o Recognise and write decimal equivalents to ¼, ½ and ¾
   o Find the effect of dividing a one or two digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths (including converting metric measures km/m, ml/l, g/kg)
   o Round decimals with one decimal place to the nearest whole number
   o Compare numbers with the same number of decimal places up to two decimal places (including units of metric measure)
   o Solve simple measure and money problems involving fractions and decimals to two decimal places
 	
Year 4.7 Measure
   o Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m
   o Find the area of rectilinear shapes by counting squares
	Year 4. 6 Shape
	   o Compare and classify quadrilaterals and triangles based on their properties and sizes
	   o Identify acute and obtuse angles and compare and order angles up to two right angles by size
	   o Complete a simple symmetric figure with respect to a specific line of symmetry
	
	Year 4.5 Position and direction
	   o Describe positions on a 2D grid as coordinates in the first quadrant
	   o Describe movements between positions as translations of a given unit to the left/right and up/down
	   o Plot specified points and draw sides to complete a given polygon