

MATHS MEDIUM TERM PLANNING

YEAR: 4

Number of days	Objectives taught	Cross conceptual links
10	Number - Number and Place value	
	To know the place value of each digit in a number	Ordering, comparing and sequencing
	To order and compare numbers	
	To round any number to the nearest 10,100 or 1000	
	To count in multiples of 1000	
	To find 1000 more than a given number	
	To find 1000 less than a given number	
10	Number – Addition and Subtraction	
	To add using column addition- 2 days	Four rules Solving real life problems
	To re name using units To re name using tens To re name using units and tens To re name using hundreds , tens and units	
	To decide whether to calculate mentally or use a written format	
	To solve problems using addition and subtraction	
16	Number – Multiplication and Division	
	To know the 3x and 4x tables	Four rules Solving real life problems
	To know the 6x table	
	To know the 7x table	
	To know the 9x table	
	To multiply whole numbers by 10 and 100	
	To multiply by a multiple of 10	
	To multiply numbers using a formal method – 2 to 3 days	
	To multiply together three numbers	
	To solve problems involving brackets (distributive law)	
	To divide a 3-digit number by a 1-digit number	
	To divide using formal method	
	To decide whether to calculate mentally or use a written format	
	To solve problems using multiplication and division	
14	Number – Fractions (including decimals)	

	To identify fractions	Multiples Factors Multiplication Division Patterns Sequences Addition Subtraction
	To find fractions of amounts	
	To compare fractions of amounts	
	To add and subtract fractions with the same denominator	
	To know equivalent fractions	
	To know and find equivalent fractions	
	To know and write decimal equivalents	
	To read write decimal fractions and numbers beyond 1	
	To order and compare numbers with one decimal place	
	To order and compare numbers with up to 2 decimal places	
	To round decimal numbers to the nearest whole number	
	To solve problems involving decimals	
5	Geometry – properties of shape	
	To compare and classify geometric shapes	Venn diagram Carroll diagram Addition Multiplication
	To identify lines of symmetry in 2-D shapes	
	To complete a simple symmetric figure	
	To problem solve involving shape	
8	Number - Roman numerals	
	To understand the Roman numeral system	Number patterns
	To add and subtract Roman numerals to 20	
	To read roman numerals to 100	
	To add and subtract Roman numerals to 100	
	To solve problems involving Roman numerals to 100	
10	Measurement - Time	
	To read analogue time accurately (to the hour, minute, second)	Fractions Multiplication Shape
	To convert between units of time	
	To read the time on an analogue clock	
	To solve time word problems.	
	To convert time using 12 hour clocks	
	To convert time using 24 hour clocks	
	To interpret a timetable displayed in the 24 hour clock	
	To interpret data on a timetable	
	To solve problems involving converting units of time	
5	Number – Addition and Subtraction	
	To add using formal written methods	Solving real life word problems
	To solve addition word problems	
	To subtract using formal written methods	

	To solve subtraction word problems	
	To use column method to solve multiplication problems	
5	Number – Multiplication and Division	
	To use formal written methods to solve multiplication word problems	
	To divide using written methods	
	To solve division word problems	
	Solve problems using the 4 operations	
14	Geometry – Properties of shape	
	To identify the properties of 2D shapes	Addition
	To classify 2D shapes	Subtraction
	To identify acute, obtuse and right angles	Venn diagrams
	To compare and order angles	Patterns / sequencing
	To estimate and measure angles	
	To compare triangles based on their properties	
	To identify and name triangles	
	To solve shape problems	
	To identify lines of symmetry	
	To reflect shapes on an axis	
	To solve symmetry problems	
	To problem solve with shape	
10	Measurement	
	To measure in cm and mm	Addition
	To convert between units of measure	Subtraction
	To convert lengths given in decimals	Multiplication
	To solve problems involving decimal lengths	Division
	To solve problems involving decimal lengths	Symmetry
	To find perimeter	Properties of shape
	To solve problems with perimeter	
	To calculate area	
	To problem solve using area	
	To problem solve using area and perimeter	
4	Number – Addition, Subtraction, multiplication and division	
	To solve problems using an efficient method.	Word problems
	To solve missing number problems.	
	To develop number sense through division.	
	To explore efficient methods for multiplication.	
18	Number – Fractions (including decimals)	
	To recognise equivalent fractions.	Properties of shape
	To understand equivalent fractions (quarters, halves, three quarters).	Addition
	To understand equivalent fractions	Subtraction
		Multiplication

	To add fractions with the same denominator.	Division Place value Multiplying by 10,100,1000
	To add and subtract tenths.	
	To add and subtract hundredths.	
	To solve problems involving fractions or decimals.	
	To find equivalent fractions and decimals.	
	To understand the value of tenths and hundredths.	
	To round decimals with one decimal place to the nearest number.	
	To find fractions of a quantity.	
	To solve problems involving fractions.	
	To find fractions of shapes.	
	To recognise and write decimal equivalents.	
	To compare 2 decimal places.	
	To explore methods for adding decimals.	
	To add decimals using column addition.	
5	Measurement - money	
	To use mental strategies to add money	Addition Subtraction Multiplication Division Decimal equivalents Fractions Place value
	To solve word problems involving money.	
	To calculate change.	
	To solve problems involving money.	
7	Geometry – Position and Direction	
	To read coordinates accurately.	Properties of shape Symmetry Patterns Sequencing
	To describe positions on a 2D grid	
	To translate shapes	
	To plot coordinates	
14	Statistics	
	To collect data for a bar chart	Addition Subtraction
	To construct a bar chart from data	
	To read a bar chart accurately	
	To read a range of bar charts	
	To plot a line graph	
	To interpret a line graph	
	To read a line graph accurately	
	To read a pictogram accurately	
	To read a table accurately	
	To construct a table and write questions about it	

155 lessons