'Go and do Likewise' Luke 10:25, -37 The Parable of the Good Samaritan
We live with love and compassion, seeking help in times of need

Curriculum Map: Maths Year 2

Long Term Plan

Autumn	Spring	Summer
Investigating Number Systems Pattern Sniffing Solving Calculation Problems Generalising Arithmetic Exploring Shape	Reasoning with Measures Discovering Equivalence Reasoning and Fractions Solving Number Problems Investigating Statistics	Visualising Shape Exploring Change Proportional Reasoning Describing Position Measuring and Estimating

Content Declarative Knowledge 'I know' and Skills Procedural Knowledge 'I know how to'

Number				Measurement	Geometry		Statistics
Number and Place Value	**Addition and Subtraction**	**Mulitplication and Division**	**Fractions, Decimals & Percentages**		**Properties of Shapes**	**Position & Direction**	
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward	solve problems with addition and subtraction: - using concrete objects and pictorial representations, including those involving numbers, quantities and measures	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity	choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	order and arrange combinations of mathematical objects in patterns and sequences	interpret and construct simple pictograms, tally charts, block diagrams and simple tables

				appropriate unit, using rulers, scales, thermometers and measuring vessels			
	- applying their increasing knowledge of mental and written methods						
recognise the place value of each digit in a two-digit number (tens, ones)	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2	compare and order lengths, mass, volume/capacity and record the results using >, < and =	identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces	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)	ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
identify, represent and estimate numbers using different representations, including the number line	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	show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot		recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]		ask and answer questions about totalling and comparing categorical data

- adding three one-digit numbers							
compare and order numbers from 0 up to 100; use <, > and = signs	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts		find different combinations of coins that equal the same amounts of money	compare and sort common 2-D and 3-D shapes and everyday objects		
read and write numbers to at least 100 in numerals and in words	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.			solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change			
use place value and number facts to solve problems				compare and sequence intervals of time			
				tell and write the time to five minutes, including quarter past/to the hour and			

				draw the hands on a clock face to show these times			
				know the number of minutes in an hour and the number of hours in a day.			

<u>Vocabulary</u>

Number and place value	Measure	Geometry (position and direction)	Geometry (properties of shape)	Fractions	Data/statistics	General/problem solving
Numbers to one hundred Hundreds Partition, recombine Hundred more/less	Quarter past/to m/km, g/kg, ml/l Temperature (degrees)	Rotation Clockwise, anticlockwise Straight line Ninety degree turn, right angle	Size Bigger, larger, smaller Symmetrical, line of symmetry Fold Match Mirror line, reflection Pattern, repeating pattern	Three quarters, one third, a third Equivalence, equivalent	Count, tally, sort Vote Graph, block graph, pictogram, Represent Group, set, list, table Label, title Most popular, most common, least popular, least common	Predict Describe the pattern, describe the rule Find, find all, find different Investigate

Vocabulary

Number and place value	Addition and subtraction	Multiplication and division	Measure	Geometry (position and direction)	Geometry (properties of shape)	Fractions	General/problem solving
Greater, lesser Pair Units, ones, tens Ten more/less Figure(s) Compare (In) order/a different order Above, below	Number bonds Inverse Near double Difference between How many fewer is…than..? How much less is..?	Once, twice, three times, five times Count in tens (forwards from/ backwards from) How many times? Lots of, groups of Multiple of, times, multiply, multiply by Repeated addition Array, row, column Group in twos, threes, etc. Equal groups of Divided by, left, left over	Midnight Now, soon, early, late Quick, quicker, quickly, fast, slow, slower Old, older, oldest, new, newer, newest Takes longer, takes less time Hour, o'clock, half past Watch, hands How long ago? How long will it be to…? How long will it take to…? How often? Always, never, often, sometimes, usually Once, Twice… First, second, third, etc	Position Around Opposite Apart Between, edge, centre Corner Direction Journey Left, right Across Near Along To, from Movement Whole turn, half turn Stretch, bend	Group Hollow Point, pointed Edge	Equal parts, four equal parts Two halves A quarter, two quarters	Place, fit Arrange, rearrange Change, change over Split, separate Carry on, continue, repeat Choose, collect Record, trace, copy, complete, finish, end Fill in, shade, colour, tick, cross, draw, draw a line between, join (up), arrow Answer, check same number(s)/different number(s)/missing number(s) Number facts Abacus, rods Best way, another way