Maths Long Term Framework

	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Year One	Number and place value - counting in 2's and 10's (also 1 more/ less than) £/p sign. Addition Subtraction	Number – addition and subtraction (using number lines and numbers to 100) Problem solving 2D shape recognition Measures. Position & direction/movement	Number – bonds to 10 and 20 Counting on/back Measurement (length, weight) Time (quicker/slower/earlier/later etc.) Addition and Subtraction Ordinal numbers Count in 2s and 10s.	Fractions. Number bonds for 6,7,8,9. Telling the time to the hour/half hour. Count in 2s and 10s.	Number – place value, four rules. Add and subtract 2 digit numbers. Missing numbers. Mass and weight. Count in 2s, 5s and 10s.	Multiplication and division. Bridging 10. Problem solving. Position and movement. Count in 2s, 5s and 10s.
Year Two	Count in steps of 2, 5 and 10. Recall x 2 x 5 x10 Read, write, compare & order numbers to 100. Recognise odd/even Recall number facts to 20 Add and subtract Problem solving 2D shapes	Place value Count in steps of 2,5 and 10 Adding, subtracting, multiplying and dividing Fractions 3D shapes Inverse operations	Place value < > = Doubling and halving Adding and subtracting, Measuring and reading scales (length, weight, capacity) Telling the time Missing numbers and inverse operations	Counting in steps of 3, Multiplication and division facts for 2,5, 10 Problem solving Fractions, Position, direction and movement (quarter of a turn, clockwise and anti clockwise) 2D and 3D shapes Symmetry	Multiplication and division facts for 2,5, 10 Counting in3s Place value Estimating Pictograms, tally charts, block diagrams and simple tables Money Fractions Problem solving Telling the Time	Multiplication and division facts for 2,5, 10 Place value Adding and subtracting, Money problems Estimating and measuring Problem solving
Year Three	Find1, 10 or 100 more or less Mental +/- Column +/- Double and half Write statements for × and ÷ Place value, compare and order numbers up to 1000. Recognising fractions Know hrs/days/min, sec/months Compare duration	Multiples of 4 Mental +/- Column +/- Estimating. Doubling and halving Equivalent fractions Tell time, am /pm tell times to 5 minutes Recognise angles as a property of shape or a description of a turn.	PV to × /÷ 10,100 Solve number problems Add and subtract Mental +/- Column +/- +/- fractions Count up & down in tenths Measure, compare, add and subtract: lengths Recognise right angles a measure of turn	Mental +/- Column +/- Estimating. Multiply / divide by 4 using doubling and halving. Read and write numbers up to 1000 in numerals and in words. Compare & order fractions Tell time to the 5 minute, s use Roman numerals am /pm	Count in steps of 4, 8, 50 and 100. Add and subtract numbers mentally, including tens and a 3-digit number and hundreds. Doubling and having, tables including division. Grid method for multiplying. PV, compare and order beyond 1,000 recognise and use fractions Measure, compare, +/- Perimeter	Count in steps of 4, 8, 50 and 100. Add and subtract numbers mentally, including tens and a 3-digit number and hundreds. Doubling and having, tables including division. Grid method for multiplying. PV, compare and order beyond 1,000. Fractions +/- Tell time to the 5 minute, s use Roman numerals am /pm

	Draw 2-D & 3-D shapes and make 3-D shapes Recognise right angles a measure of turn				Recognise 3-D shape in different orientations and describe them.	Recognise angles bigger and smaller than a right angle
Year Four	Number – place value Roman Numerals Count backwards through zero Place value of 4-digits Number four rules Adding and Subtracting using the formal layout Fractions (equivalent) Measure-converting between different units of measure Comparing and classifying shapes	Number – place value Rounding Number four rules Number fractions Measure Geometry shape Statistics Graphs	Number – place value Number four rules- estimating and using the inverse Number fractions, counting up and down Measure and finding the area of shapes and calculating the perimeter identifying lines of symmetry	Number – place value Identify, represent and estimate numbers Number four rules multiplying using the grid method, dividing using chunking Number fractions- comparing numbers with the same decimal places Time Geometry position Solving two step problems Acute and obtuse angles	Number – place value Number four rules Multiplication facts Division facts Number fractions Simple measure problems Time Symmetric figures with a line of symmetry Graphs	Number – place value Number problems Number four rules factor pairs Addition and subtraction two step problems Add and subtract fractions Movements as translations Graphs
Year Five	Number and place value (1,000,000) The four rules fractions, mixed numbers written calculations for + and - 3D Shape	Prime, square and cube numbers. Roman numerals Measuring and converting between measures.	Number and place value (tenths and hundredths) Perimeter and Area x and ÷by 10,100,1000 Formal method for multiplying	Number and place value (thousandths) Volume Formal method of dividing reflection Translation Time and timetables	Number and place value (negative numbers) Multi-step problems Line graphs Measuring angles	Number and place value (consolidate) Problems linked to measures including decimals Drawing angles Percentages
Year Six	Number and place value - to 1,000,000 Four rules of number (+ and -) – problem solving. Fractions – equivalencies and fractions of quantities Algebra - simple formulae	Number and place value Four rules of number (x and ÷) – standard written methods Factors, multiples and prime numbers Fractions, decimals and percentages Measurement use, read,	Number and place value – negative numbers Four rules of number – standard written methods Multiplying and dividing fractions Measurement Geometry- coordinates Statistics – interpret and construct pie charts and line graphs.	Number and place value – problem solving Four rules of number Factors, multiples and prime numbers Measurement Geometry – classify geometric shapes based on properties. Find missing angles	Solving fraction problems Measurement Statistics Ratio and Proportion Geometry – use coordinates in all 4 quadrants – reflect & translate 2D shapes.	Number and place value – properties of numbers Four rules of number – standard written methods Algebra – generalisations of number patterns

		write and convert between standard units	Find mode, mean, median & range	Statistics - Ratio and Proportion – solve problems including using scale factors		