



MATHS LONGTERM PLANNING OVERVIEW						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Number Numbers to 5 Subitising to 3 1-1 correspondence	Number Numbers to 5 Subitising to 5 Recognising numerals Counting skills	Number Numbers 5-10 Ordering numbers to 10	Number Numbers within 10 Odd and even numbers Number bonds within 10	Number Counting to 20 and beyond	Number Consolidation
Year 1	Place Value Numbers 0-10 1 more/less, compare, Comparing quantities Addition and subtraction Part-whole relationships Fact families Systematic number bonds to 10	Addition and subtraction Numbers 0-10 Comparing quantities Part-whole relationships Shape Recognise, name 2D and 3D shapes Place value within 20	Place Value Numbers 0-20 Addition and subtraction within 20 Counting on, add/subtract 1 Doubles, near doubles Place value within 50 Count from 20 to 50, by making groups of 10, partitioning, estimating.	Length and height Compare lengths, heights in cm Weight and volume Heavier/lighter, measure mass, compare volume.	Multiplication and division Counting in 2s, 5s, 10s Grouping, arrays, doubling and sharing. Fractions Recognising, finding halves and quarters of quantity and shape. Position and directions	Place value within 100 Count from 50 to 100, partition into tens and ones/find 1 more/less Money Recognise and count notes and coins Time Know before/after/days of the week/ months of the year/ hours, minutes, seconds/ tell the time to hour
Year 2	Place value to 100 Partition, read, write, estimate numbers to 100 Bonds to 10 and 100 Add 1 digit and 2-digit numbers across 10 by making 10 Mixed addition and subtraction.	Addition and subtraction of 2-digit numbers Number bonds to 20 Addition and subtraction within 20 Fluently add and subtract within 10 Shape Count faces, vertices and lines of	Money Count pounds and pence. Make compare, calculate amounts and find change. Introduction to multiplication and division structures Multiples Of 2, 5, 10 Multiply and divide by 2,5,10 and by	Length and height Measure, compare and order lengths and heights using cm and m Mass, capacity temperature Compare and measure mass using kg and g	Fractions Recognise and find halves, quarters, thirds. Recognise $\frac{3}{4}$ Count in fractions up to a whole. Time Know o'clock, half past, quarter past, quarter to and to 5 minutes.	Statistics Make tally charts, draw, interpret pictograms Position and direction Know the language of position, describe movement, and turns.



		symmetry in 2-D, 3-D shapes	halving and doubling, grouping, arrays. Identify odd and even numbers.	Compare volume and capacity using l and ml Read a thermometer and compare temperatures.	Know minutes in an hour, hours in a day.	
Year 3	<p>Place value to 1000 Compare, order, partition, 1, 10, 100 more, less</p> <p>Addition and subtraction Add and subtract 2- and 3-digit numbers Part-whole model, inverse operations, complements to 100 Spot patterns</p>	<p>Multiplication and division grouping, arrays, sharing 2,3,4,8 times tables</p>	<p>Multiplication and division Multiplying 2-digit numbers with exchange, dividing 2-digit numbers with remainders scaling</p> <p>Length and Perimeter m,cm,mm, compare, add, subtract</p>	<p>Fractions Compare, order fractions, equivalent fractions, bar models</p> <p>Mass and capacity Compare, order mass and capacity L, ml, kg, g</p>	<p>Fractions Add and subtract fractions Parts of a whole fraction</p> <p>Money Add and subtract money Convert pounds and pence</p> <p>Time Read digital clocks, am, pm, read time to 5 min, years, months, days, hours</p>	<p>Shape Recognise, describe 2-D and 3-D shapes Draw polygons, measure accurately Parallel, perpendicular, right angles, vertical, horizontal</p> <p>Statistics Draw, read, interpret pictograms and bar charts</p>
Year 4	<p>Place value Represent, partition, estimate,</p>	<p>Area Understand area, make shapes, compare areas</p>	<p>Multiplication and division</p>	<p>Fractions Compare, order, convert, add and subtract fractions,</p>	<p>Decimals Compare, order, round, partition, decimals</p>	<p>Shape Understand, compare, order, identify angles.</p>



	<p>compare numbers to 10,000 Find 1,10,100,1000 more/ less Addition and subtraction Add and subtract 2 4-digit numbers with exchanges Find efficient methods and estimate answers</p>	<p>Multiplication and division Multiply and divide by 0,1,3,6,7,9,11,12 Multiply 3 numbers by 1 number</p>	<p>Find factor pairs, multiply by 10, 100 Multiply and divide 2- and 3-digit numbers by 1-digit number Length and perimeter Measure Km, m Convert km to m Measure length and perimeter of rectilinear shapes and polygons</p>	<p>improper fractions and mixed numbers. Decimals Understand, read, write tenths, hundredths as decimals Divide by 10 and 100</p>	<p>Make a whole with tenths and hundredths, halves Money Convert, compare, estimate, calculate pounds and pence Time Convert between analogue and digital times, 24-hour clocks, hours, minutes, seconds Know days in years, months, weeks and hours in a day</p>	<p>Know types of triangles, quadrilaterals, polygons and complete symmetric figures Statistics Interpret, compare and draw pictograms, bar charts and line graphs. Position and directions Describe, plot, draw, translate shapes on a grid using coordinates.</p>
Year 5	<p>Place Value Read, write, compare, order, round to 1,000,000 and partition Roman Numerals to 1000</p>	<p>Multiplication and division Multiples, factors, prime numbers, square numbers and cube numbers</p>	<p>Multiplication and division Multiply 4 digits by 1 and 2 digits Divide 4 digits by 1 digit with remainders Fractions</p>	<p>Decimals and percentages Finding equivalent fractions, decimals, percentages, rounding, calculating,</p>	<p>Shape Understand, classify, estimate, measure, draw, calculate angles Position and direction Read, plot, coordinates,</p>	<p>Negative number Compare, order, find the difference Converting units of measure Converting units of measures</p>



	<p>Addition and subtraction Add, subtract, compare, round and use inverse operations in multi-step problems</p>	<p>Multiply and divide by 10, 100 and 1000 Fractions Recognise, find equivalent fractions Convert, compare, order fractions, improper fractions</p>	<p>Multiply fractions and mixed fractions calculate an amount of a fraction</p>	<p>ordering and comparing Perimeter and area Rectangles, polygons and compound shapes Statistics Draw, read, interpret line graphs and tables</p>	<p>translate, reflect and lines of symmetry Decimals Add, subtract, multiply, divide decimals by 10.100.1000 Multiply and divide decimals and find missing values</p>	<p>(time, length, weight) Convert metric and imperial units Volume Compare and estimate volume and capacity</p>
Year 6	<p>Place value Addition, subtraction, multiplication, division Read, compare, order, write numbers to 10,000,000 Addition, subtraction, multiplication, division Factors, multiples, prime numbers,</p>	<p>Fractions Compare, order, simplify, add, subtract, multiply, divide, find amounts of Converting units Read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit,</p>	<p>Ratio multiplicative, scale factors, scale drawings, Algebra simple formulae , linear number sequences, expressions, substitutions Decimals value of each digit in numbers given to 3 decimal places</p>	<p>Fractions, decimals, percentages Convert, compare, order, find percentage of amounts Area, perimeter, volume Square, rectangle, triangle, parallelogram, volume of cuboids Statistics</p>	<p>Shape Measure, draw, classify, calculate angles Find missing angles, angles in polygons, opposite angles circles Position and direction Read, plot points translate, reflect in the 4 quadrants.</p>	<p>Problem solving Profit, loss, cooking, packaging problems</p>



	<p>square and cube numbers</p> <p>Multiply 4 digits by 2 digits , short and long division with remainders, order of operations</p>	<p>and vice versa, using decimal notation to up to 3 decimal places</p>	<p>Round, add, subtract, multiply, divide decimals</p>	<p>Read, draw, interpret line and pie charts Find mean</p>		
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