

Year 5 & 6 long term maths plan – 2023/24

WEEK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Aut	Year 5 Place value within 100,00 & 1,000,000 (inc roman numerals, rounding, solving problems & negative numbers)				Year 5 Addition and subtraction (with numbers more than 4 digits, mental calculations, rounding & problem solving)				Year 5 Multiplication and division (inc factors, multiples, prime and composite numbers, Square and cube numbers, scaling simple fractions, multiplying and dividing by 10, 100 & 1000)			Year 5 Multiplication and division (Using formal written methods & using known facts to do calculations mentally)		Review & Consolidate	
	Year 6 Place value within 10,000,000 comparing & ordering, rounding and negative numbers		Year 6 Four operations Problem solving, using written methods of addition & subtraction, multiplying numbers up to 4 digits by 1 & 2 digit numbers, dividing numbers up to 4 digits by a 2 digit number, common factors, common multiples, squares and cubes, brackets, mental calculations and reasoning from known facts.						Year 6 Fractions Simplifying, comparing and ordering, adding and subtracting with mixed numbers and different denominators, multiplying a fraction by a whole number, multiplying a fraction by a fraction, dividing a fraction by a whole number, four rules with fractions, problem solving and reasoning with fractions.					Review & Consolidate	
Spri	Year 5 Measure – area and perimeter (inc composite & rectilinear shapes and estimating the area of irregular shapes.		Year 5 Fractions (inc equivalent fractions, comparing & ordering, recognising mixed numbers and improper fractions and converting, adding & subtracting decimals		Year 5 Fractions, decimals & percentages Review & consolidate (inc multiplying proper fractions & mixed numbers, read, write , order & compare numbers with up to three decimal places & as a fraction, recognise hundredths and relate them to tenths, hundredths and decimal equivalents, round decimals with two decimal places, recognise % symbol and solve problems				Year 5 Fractions, decimals & percentages Review & consolidate (inc multiplying proper fractions & mixed numbers, read, write, order & compare numbers with up to three decimal places & as a fraction, recognise hundredths and relate them to tenths, hundredths and decimal equivalents, round decimals with two decimal places, recognise % symbol and solve problems		Year 5 Decimals solve problems involving numbers up to three decimal places, read, write, order & compare numbers with up to three decimal places & reongise and use hundredths and relate them to tenths, hundredths and thousandths.				
	Year 6 Decimals & Percentages Multiplying and dividing decimals, decimals as fractions, equivalent decimals, fractions and percentages, converting fractions to percentages, problem solving			Year 6 Ratio & Proportion Solve problems involving unequal sharing and		Year 6 Measures- Imperial & Metric Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of			Year 6 Measures – Perimeter, area & volume Recognise that shapes with the same areas can have different perimeters and vice versa, recognise when it is possible to use formulae for area and						

				grouping using knowledge of fractions and multiples, Solve problems involving similar shapes where the scale factor is known or can be found		measure to a larger unit, and vice versa, using decimal notation to up to three decimal places, Convert between miles and kilometres	volume of shapes, calculate the area of parallelograms and triangles and calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [for example, mm ³ and km ³	
Sum	Year 5 Geometry – properties of shape Measuring angles in degrees, measuring with a protractor, drawing lines and angles accurately, calculating angles on a straight line & around a point, calculating angles in shapes, recognising & drawing perpendicular lines, reasoning about 3D shapes	Year 5 Geometry position & direction Reflection, translation	Year 5 Measurement Metric units, imperial units of length, mass & capacity, converting units of time, Volume and estimating capacity		Year 5 Measure metric measures, converting and problem solving, miles & Km,	Year 5 Statistics – Graphs & Tables Complete, read and interpret information in tables, including timetables and Solve comparison, sum and difference problems using information presented in a line graph	Review & Consolidate	
	Year 6 Geometry – Properties of shape Measuring with a protractor, Angles in triangles, angles in polygons, recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles, Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius and recognise, describe and build simple 3-D shapes, including making nets	Year 6 Algebra Finding a rule, solving equations, using simple formulae and expressing missing number problems algebraically	Year 6 Statistics Calculate and interpret the mean as an average, working with pie charts, interpreting and constructing line graphs.		Year 6 Review and consolidate areas of the curriculum not covered or need further input			