

### Mathematics – Vocabulary progression map

Below are the vocabulary lists for Maths. These give an indication of the words we want children to introduced to and be able to use during each year group They are not intended as a test list but show the range of language staff will use and explain in lessons to broaden pupils’ mathematical vocabulary and understanding.

Maths Concepts	Number and Place Value	Number- Addition and Subtraction	Number- Multiplication and Division	Number – Fractions	Measurement	Geometry – Properties of Shape	Geometry – Position and Direction	Statistics	Ratio and Proportion	Algebra
EYFS	Zero, symbol, sequence, relationship, place value, pattern, odd number, even number, numeral, compare, count(verb), digit, describe,	Total, take away, subtract, sign, plus, minus, number track, number square, number sentence, number bond, equal, diagram,	Share,		Weight, volume, vertical. Time, temperature, set, pound sterling (money), measuring tools, measure, line, length, horizontal, vertical, diagonal	2D, 3D shapes, Triangle, square, sphere, side, rectangle, property, pentagon, octagon, kite, circle, hexagon, heptagon, corner, edge, cone, cube, cuboid,	Turn, right, left, up, down, forwards, backwards, sideways	Sort,		
Years 1	Triangular number, rule, representation, quantity, prove, positive number, pictorial representation, partition, ordinal number, cardinal number, odd, even, notation, greater than,	Sum, Addend, Subtrahend, subtraction, Difference, operation, missing number problems. Minus, mental calculation, hundred square, inverse operations, commutative, associative, approximation,	Grouping, product, half, double, near double, near half, multiplication, multiplicand, dividend, multiply, array, divisor,	Vulgar fraction or common fraction, unit fraction, simple fraction, half of, quarter of, operator,	Unit or standard unit, hour, second. Minute, minimum value (non calculus sense), maximum value, centimetre, gram, kilogram, litre, centilitre, metric unit, metre, mass, gram, chronological, centi-, capacity, volume, analogue	Vertex, vertices, face, Symmetry, surface, rotation, regular, reflection symmetry, pyramid, prism, cylinder, octahedron, oblong, geometrical, circular, composite shape, cross section, axis of	Quarter turn, Half Turn, Full Turn, position, clockwise, anti-clockwise, direction,	Tally, table, score, pictogram, column graph, column, chart, categorical data, frequency, data,		

	lesser than, interval, infinite, inequality, counter example. Conjecture, concrete objects, cardinal number, general statement, fluency, reasoning, problem solving,	estimate, efficient methods,			clock denomination (currency),	symmetry, curved surface, cuboid,				
Years 2	Place holder, generalise, consecutive,	Correspondence problems	repeated addition, repeated subtraction, divide, quotient, table, product, multiple, exchange, decomposition,	Proper fraction, numerator, denominator, equivalent fractions,	Millimetre, millilitre, milli-, kilometre, kilogram, kilo-. Convert, digital clock, decimal system, decimal,	Reflection, polygon, quadrilateral, angle		Mean, interpret, continuous data, block graph, bar chart,		alegebra
Year 3	Square number, Roman numerals, integer, deductive reasoning,	Subtraction by equal addition, subtraction by decomposition, columnar addition or subtraction, complement (in addition), formal written method,	Short multiplication, short division, remainder,	Mixed number, mixed fraction,	Perimeter, mensuration, level of accuracy, degree,	Trapezium, tetrahedron, dodecahedron, Rotation, symmetry, right angle, rhombus, rectilinear, radius, polyhedron, perpendicular, parallelogram, parallel, net, isosceles triangle, equilateral triangle, acute angle, obtuse angle, reflex angle, rhombus,	Quadrant, point, plot, graph,			
Year 4	Negative number,		Long multiplication,	<b>Terminating decimal,</b>	Rate, area,	Icosahedron	Translation, grid, axis,	Pie-chart,	Scale factor, ratio,	distributive

	negative integer,		long division, factor, factorise,	<b>recurring decimal, improper fraction, decimal fraction,</b>						
Year 5	Prime number,		Reciprocal, prime factor, prime factor decomposition, power (of ten), common multiple, common factor,	Simplify (a fraction), percentage,	Square millimetre, square metre, square centimetre, Ounce	Angle at a point, angle at a point on a line, diagonal(of a polygon)	Vertically opposite angles,	Line of best fit, line graph,		Expression,
Year 6	Priority of operations, order of operations. Brackets, Order of magnitude				Yard, set square, protractor, pound (mass), pint, ounce, mile, imperial unit, inch, circumference, cubic metre, gallon, foot, diameter	Centre,		Recipe Scale drawing Scale factor	Proportional reasoning, proportion,	Formula, formulae, Unknown values Variable Equivalent expression