



Kensington Junior Academy

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 | Sum, Addend, Subtrahend, subtraction, Difference, operation, missing | Grouping, product, half, double, near double, near half, multiplication, | Vulgar fraction or common fraction, unit fraction, simple | Unit or standard unit, hour, second. Minute, minimum value (non | Vertex, vertices, face, Symmetry, surface, rotation, regular, | Quarter turn, Half Turn, Full Turn, position, clockwise , anti- | Tally, table, score, pictogram, column graph, | | |

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| | number, pictorial representation, partition, ordinal number, cardinal number, odd, even, notation, greater than, lesser than, interval, infinite, inequality, counter example. Conjecture, concrete objects, cardinal number, general statement, fluency, reasoning, problem solving, | number problems. Minus, mental calculation, hundred square, inverse operations, commutative, associative, approximation, estimate, efficient methods, | multiplicand, dividend, multiply, array, divisor, | fraction, half of, quarter of, operator, | calculus sense), maximum value, centimetre, gram, kilogram, litre, centilitre, metric unit, metre, mass, gram, chronological, centi-, capacity, volume, analogue clock denomination (currency), | reflection symmetry, pyramid, prism, cylinder, octahedron, oblong, geometrical, circular, composite shape, cross section, axis of symmetry, curved surface, cuboid, | clockwise, direction, | column, chart, categorical data, frequency, data, | | |
| Years 2 | Place holder, generalise, consecutive, | Correspondence problems | repeated addition, repeated subtraction, divide, quotient, table, product, multiple, | Proper fraction, numerator, denominator, equivalent fractions, | Millimetre, millilitre, milli-, kilometre, kilogram, kilo-. Convert, digital clock, | Reflection, polygon, quadrilateral, angle | | Mean, interpret, continuous data, block graph, bar chart, | | algebra |

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| | | | exchange, decomposition, | | decimal system, decimal, | | | | | |
| 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, negative integer, | | Long multiplication, long division, factor, factorise, | Terminating decimal, recurring decimal, improper fraction, decimal fraction, | Rate, area, | Icosahedron | Translation, grid, axis, | Pie- chart, | Scale factor, ratio, | distributive |

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| 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, | Angle at a point, angle at a point on a line, diagonal(of a polygon) | Vertically opposite angles, | Line of best fit, line graph, | | Expressio n, |
| 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 | Proportio nal reasoning, proportio n, | Formula, formulae, Unknown values Variable Equivale nt expressio n |