

Dane Royd J & I School Maths Vocabulary Progression

Vocabulary that your child will be exposed to along with previous year groups vocabulary.

Year group	<u>Place Value</u>	<u>Addition and Subtraction</u>	<u>Multiplication and division</u>	<u>Fractions, decimals and percentages</u>	<u>Geometry (Position and direction) (properties of shapes)</u>	<u>Measures</u>	<u>Statistics</u>	<u>Problem solving</u>
Nursery	Number 0-10 subitise, count, Numicon, 1:1 correspondence, 5-frame, more than, fewer than, composition, order	Add, altogether, amount, subtract, takeaway, equal	Group, share		Shape, size, square, rectangle, on, under, in, out, front, behind, circle, triangle, cube, cuboid, cylinder, spheres, position	Tall, short, long, heavier, lighter, full, empty, nearly full/nearly empty, mass, capacity, more, time, between, beneath	Total	Colours: red, yellow, blue, green, purple Match, sort, pattern, balance, sequence

Dane Royd J & I School Maths Vocabulary Progression

Upper Foundation	Numbers 0-20 with words and pictorial representation, count to, ones, objects, pattern, Bead string, cubes, Numicon, subitise, numeral, digit, 10 frame, order, forwards, backwards	Add, more, takeaway, equals, how many, altogether, Less, number bonds, part, whole, missing number, 2-digit number	Sharing, groups, hoops, compare, double, half, equal, unequal, share, group, odd, even	Half, whole	on, under, above, behind, next to, in front of, between circle, triangle, rectangle, square, cube, pyramid, cuboid, cone, sphere, cylinder, side, corner, face, characteristics, curved, straight,	Longer, short, bigger, smaller, heavier, lighter, empty, full, half full, days of the week, months of the year, seasons, coins, wide, narrow, compare, long, length, quicker, slower, earlier, later, first,	Pictogram, collect	Forwards, backwards, stem sentence, partwhole model, find, apply
					flat, over, between, around, through	next, today, yesterday, tomorrow, morning, afternoon, evening, day, week, hour, minutes		

Dane Royd J & I School Maths Vocabulary Progression

1	0-100, More/less, digit, numeral, figures, in order, different order, size Value, between, halfway, above, below, ones, tens, column, represent, place value, beginning with 0, given number, one more, one less, bars, flip chart, dienes , partition	Number bonds, number line add, more, plus, make, sum, total, altogether, plus inverse, double, near double, Equals, is the same as, equals sign, find the difference, difference between, how many more make? How many more/fewer	Odd, even count in twos, threes, fives, count in tens, forwards, backwards, how many times?, lots of, groups of, Once, twice, three times, five times, multiple of, multiply (by), times by, repeated addition, array,	Whole, equal parts, four equal parts, one half, two halves, equal, a quarter, quarters, pictorial representation of...	Position, over, underneath, below, top, side, bottom, in, outside, inside, around, front, back, before, after, beside, opposite, apart, middle, journey, left, right, up, down, forwards, backwards, sideways, across, close, far, near, along, through, to, from, towards, away from, movement, slide,	Length, height, mass, weight, capacity, Full, half full, empty, holds, container, weigh, weighs, balances, heavy, heavier, heaviest, light, lighter, lightest, scales, Time, days of the week, seasons, day, week, month, year, weekend, birthday, holiday, morning, afternoon, evening, night,	Tally, pictogram	Problem, solve, recognise, Listen, join in, say, think, imagine, remember, start from, start with, start at, look at, point to, place, fit, arrange, rearrange Change, split, separate, carry on, continue, repeat, what comes next? Find, choose, use, make, build, tell me, describe, talk about, explain,
---	---	---	---	---	--	---	-------------------------	---

Dane Royd J & I School Maths Vocabulary Progression

		is...than...? How much more is...? Subtract, takeaway, Fewer, less count on, count back part-whole model	row, column, double, halve, share, share equally, group in pairs, threes, etc, equal groups of, divide, divided by, left, left over, repeated subtraction, divide by, groups of		roll, turn, whole turn, half turn, left turn, right turn, quarter turn, stretch, bend Group, sort, cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square, shape, flat, curved, straight, round, hollow, solid, edge, centre, corner, direction, point, pointed, make, build, draw, rotated, vertex, vertices	midnight, bedtime, dinnertime, playtime, today, yesterday, tomorrow, takes longer, takes less time, hour, o'clock, half past, hands, clock, watch, how long ago? How long will it be to? How long will it take to? How often? before, after, next, last, now, soon, early, late, quick, quicker, quickest, fast, faster, fastest, slow, slower, slowest, slowly, old, older, young, younger, youngest Always, never, sometimes,		show me, read, write, record, trace, copy, complete, finish, end, fill in, shade, colour, tick, draw, cross, draw a line between, join up, ring, arrow, in order, different order, not all, every, each, estimate
--	--	---	---	--	---	---	--	---

Dane Royd J & I School Maths Vocabulary Progression

- use of previous year groups' vocabulary, as well as own.

Dane Royd J & I School Maths Vocabulary Progression

						usually, once, twice, first, second, third etc. estimate, close to, about the same, just over, just under, too many, too few, not enough, enough, length, width, depth, height long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest		
--	--	--	--	--	--	--	--	--

Dane Royd J & I School Maths Vocabulary Progression

						low, wide, narrow, deep, shallow, thick, thin, far, close, near metre, ruler, metre stick how many? How much? Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear, costs, cheaper, same as, total		
--	--	--	--	--	--	--	--	--

- use of previous year groups' vocabulary, as well as own.

Dane Royd J & I School Maths Vocabulary Progression

2	1-100, hundreds, partition, recombine, hundred more/less, hundreds column, compare, order, in words, greater than, less than symbols, estimate, count in multiples	Sum. 3-digit number, commutative	Multiplication tables, commutative, repeated addition	Three quarters, one third, a third, equivalence, equivalent, unit fraction, non unit fraction, numerator, denominator, one whole	Rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle, Size, bigger, smaller, larger, symmetrical, line of symmetry, fold, match, mirror line, reflection, pattern, repeating pattern. Base, diagonal Pentagon, hexagon, cylinder, edges, vertices, vertex	Quarter past/to Metres, kilometre, m, km, grams, g, kilograms, kg, ml, millilitre, litres, l, Temperature, degrees, Celsius £ pound p pence	Count, tally, sort, vote, graph, block graph, diagram, pictogram, represent, group, set, list, table, label, title, most popular, most common, least popular, least common	Predict, describe the pattern, describe the rule, find, find all, find different, investigate
---	--	----------------------------------	---	--	---	--	--	---

Dane Royd J & I School Maths Vocabulary Progression

3	1-1000, Roman numerals I-XIII, thousands column, consecutive, ascending, descending, 10 or 100 more, 10 or 100 less, hundreds	Column addition, column subtraction, operations, exchanging	Product, multiples of 4, 8, 50 and 100, scale up, Short multiplication, grid method, divisor, chunking, expanded method, short division	Numerator, denominator, unit fraction, non-unit fraction, compare, order, tenths, bisect	Greater/less than ninety degrees, orientation, same orientation, different orientation Horizontal, vertical, perpendicular, parallel, hexagon, pentagon, octagon, parallelogram, rhombus, angles Angles, acute, obtuse, turn, right angle, half turn, horizontal, vertical, perpendicular, parallel	Leap year, twelve hour, twenty four hour clock, standard units, estimate, centimetre (cm), metre (m), analogue clock, Roman Numeral, 12-hour clock, 24 - hour clock am/pm, noon	Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram,	Jottings, strategies,
---	---	---	---	--	---	---	--	-----------------------

- use of previous year groups' vocabulary, as well as own.

Dane Royd J & I School Maths Vocabulary Progression

4	Tenths, hundredths, decimal, decimal places, round to, round to the nearest, thousand more/less, negative integers, count through zero, Roman numerals I-C	Multiplication facts up to 12x12 Division facts Inverse, derive		Equivalent decimals and fractions Relationship between	Coordinates, translation - left, right, quadrant, x-axis, y-axis , grid, translation, plot Quadrilateral, triangles, right angle, acute, obtuse, isosceles, equilateral, scalene, rightangled, angle, dodecagon, Polygon, kite , octagon, prism, trapezium, rhombus, parallelogram, kite, geometric shapes	Convert, perimeter, analogue, digital, exterior, area, rectilinear shape	Continuous data, discrete, comparison, table, difference, time Graphs, line graph, comparison problem, sum problem, interpret	Ascending, descending
---	--	---	--	--	---	--	---	-----------------------

Dane Royd J & I School Maths Vocabulary Progression

5	Powers of 10, 1-1,000,000, Negative integer	Formal written method	long multiplication, expanded method, compact method, remainders, factor pairs, composite number, prime number, prime factors, square number, cubed number, formal written method, square root	Proper fractions, improper fractions, mixed number Percentage, per cent, half, quarter, one fifth, two fifths, etc. proportion of	Reflex angles, dimensions Regular, irregular, polygons, Composite rectilinear Compound shape, irregular shape Square centimetre, square metre Translate Adjacent Angles at a point, whole turn, straight line, multiples of 90	Volume, imperial units, metric units, inches, pints, pounds, cubic units, breath, interior, decimal notation, scaling area	Line graph, timetable, interpret, Two-way tables	
---	--	-----------------------	--	---	---	---	--	--

Dane Royd J & I School Maths Vocabulary Progression

6	1-10,000,000, millions, ten millions	Order of operations, equation	Order of operations, common factors, common multiples Long division	Degree of accuracy, simplify, % of quantities, factor, complement	Four quadrants Vertically opposite Circumference, radius, diameter, dimensions	Conversion, miles, feet, cubic metre, cubic millimetre, cubic kilometre, gallons, stones, ounces	Mean, average, pie chart, construct,	<u>Algebra</u> Linear number sequence, algebraically, equation,
---	--------------------------------------	-------------------------------	--	---	--	--	--------------------------------------	--

								unknown combinations substitute, variables, symbol, known values, formula, formulae, algebraically Ratio and Proportion Scale factor
--	--	--	--	--	--	--	--	---

