

# Newfield Park Primary School

## Core Vocabulary Progression: Maths



Below are the core vocabulary lists for Maths

They give examples of the subject specific vocabulary that children will use and become familiar with during each key stage, reflecting their increasing knowledge, breadth and depth of experience and can be used across a range of topic areas. They are not intended to be used to test pupils but give an indication of the language and terms used by staff in lessons and across units of learning to broaden vocabulary and understanding.

EYFS	YEARS 1&2	YEARS 3&4	YEARS 5&6
<p><b>Place value:</b> number, count, the same as, more, less, odd, even, few, pattern, pair, estimate, ones, tens, digit, compare</p> <p><b>Addition and Subtraction:</b> add, more, make, sum, total, take away, altogether, double, less</p> <p><b>Multiplication and Division:</b> sharing, doubling, halving, number patterns</p> <p><b>Fractions:</b> parts of a whole half, quarter</p> <p><b>Measures:</b> measure size, compare, estimate</p> <p><b>Length:</b> long, short, tall, short, thick, thin, longer, shorter, taller, higher, far, near, close,</p> <p><b>Mass/Weight:</b> weigh, balances, heavy, light, heavier than, lighter than</p> <p><b>Capacity and volume:</b> full, empty, more than, less than, half full, holds, container</p> <p><b>Time:</b> Time, days of the week (Monday, Tuesday ...) months of the year (January, February ...) seasons: (spring, summer, autumn, winter) day, week, today, yesterday, tomorrow hour, o'clock</p>	<p><b>Place value:</b> number, numeral, digit, count, more, less, fewer, greater, equal to, the same as, odd, even, partition, hundreds, tens, ones, compare, order, value.</p> <p><b>Addition and Subtraction:</b> add, more, make, total, sum, plus, altogether, double, take away, minus, subtract, less, fewer, difference between, number bonds.</p> <p><b>Multiplication and Division:</b> multiply, multiple, dividing, grouping, sharing, doubling, halving, array, pattern, row, column, equal groups of.</p> <p><b>Fractions:</b> equivalent fraction, numerator, denominator, equal part, parts of a whole half, quarter, third</p> <p><b>Measures:</b> measurement, size, compare, estimate</p> <p><b>Length:</b> centimetre, millimetre metre, length, height, width, depth, long, short, tall, wide, narrow, thick, thin, longer, shorter, taller, higher, far, near, close, ruler, metre stick.</p> <p><b>Mass/Weight:</b> kilogram, weigh, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scales</p> <p><b>Capacity and volume:</b> litre, capacity, volume, full, empty, more than, less than, half full, holds, container</p> <p><b>Time:</b> Time, days of the week, Monday, Tuesday months of the year (January, February ...)</p>	<p><b>Place value:</b> hundreds, thousand, tenths, hundredths, decimal (places), round (to nearest), more/less than thousand, negative integers, count through zero, Roman numerals (I to C)</p> <p><b>Addition and Subtraction:</b> Column addition and subtraction, tens/hundreds boundary</p> <p><b>Multiplication and Division:</b> factor, product, remainder, multiplication and division facts, multiples, scale up, inverse, derive, square number, cubed number</p> <p><b>Fractions(including decimals):</b> unit fraction, non-unit fraction, compare, order, tenths, mixed number, sixths, sevenths, eighths, tenths, equivalent decimals and fractions, proportions</p> <p><b>Measures:</b> division, approximately, convert kilometre, mile, distance apart... between ... to ... from, perimeter, breadth, circumference Temperature, degree, centigrade Century, calendar, earliest, latest, Leap year, Twelve- hour/twenty-four-hour clock, Roman Numerals, a.m, p.m</p> <p><b>Geometry-Properties of shape:</b> horizontal, vertical, perpendicular and parallel lines, quadrilateral triangles, right angle, acute and obtuse angles, perimeter</p> <p><b>2-D shape:</b> corner, side, point, pointed</p>	<p><b>Place value:</b> ten thousand, million, relationship, consecutive, integer, positive, negative, negative numbers, formula, divisibility, square number, prime number, factorise, prime factor, equivalent to, powers of 10, ascending/descending order</p> <p><b>Addition and Subtraction:</b> ones boundary, tenths boundary</p> <p><b>Multiplication and Division:</b> proper/improper fraction, equivalent, reduced to, cancel, thousandths, factor pairs, composite numbers, prime number</p> <p><b>Fractions( including decimals, and percentages):</b> proper fractions, improper fractions, percentage, ratio</p> <p><b>Algebra:</b> formula, formulae, equation, unknown, variable</p> <p><b>Measures:</b> imperial unit, yard, foot, feet, inch, inches, tonne, kilogram, half kilogram, gram, pound, ounce, pint, gallon, Greenwich Mean Time, British Summer Time, International Date Line</p> <p><b>Money:</b> profit, loss, discount, currency Geometry-Properties of shape, circumference, concentric, arc, net, open, closed, surface angle, right-angled, congruent, intersecting, intersection, plane, base</p>

clock, watch, hands

**Money:** Money, coin, penny, pence, price, cost, buy, sell spend, pay, change, costs, total

**Geometry:** Properties of shape  
shape, pattern, flat, curved, straight, round, symmetry, symmetrical  
pattern, repeating pattern

**2-D shape:** corner, side, rectangle, square, circle, triangle, 3-D shape, face, edge, cube, pyramid, sphere, cone

**Geometry:** Position and direction:  
over, under, underneath, above, below, top, bottom, outside, inside, in front, behind, front, back, beside, next to opposite, between, up, down, higher, lower forwards, backwards, sideways across, next to, close, near, from, towards, away from, whole turn

**Statistics:** count, sort, group, set, list

seasons: spring, summer, autumn, winter, day, week, weekend, month, year, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, next, first, last, midnight, date, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, hour, minute, o'clock, half past, quarter past, quarter to, 5,10,15 minutes past clock, watch, hands, analogue, digital

**Money:** Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, costs more, cheap, costs less, cheaper, costs the same as, total.

**Geometry-Properties of shape:** shape, pattern, flat, curved, straight, round, solid, sort, surface, size, symmetry, symmetrical, symmetrical pattern, line symmetry, pattern, repeating pattern

**2-D shape:** corner, side, point, pointed rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, hexagon, octagon, 3-D shape, face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder  
**Geometry-Position and direction:** over, under, underneath, above, below, top, bottom, outside, inside, in front, behind, front, back, beside, next to, opposite, between, centre, corner direction, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, from, towards, away from, clockwise, anticlockwise, movement, whole turn, half turn, quarter turn, three-quarter turn, right angle, straight line.

**Statistics:** count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, table label, title, most popular, most common, least popular, least common

rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, pentagonal, hexagon, hexagonal, octagon, octagonal

**3D shape:** face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, hemisphere, cone, cylinder, prism, triangular prism

**Geometry-Position and direction:** compass point, north, south, east, west, N, S, E, W, horizontal, vertical, diagonal, angle ... is a greater/smaller angle than

**Statistics:** list, table, chart, bar chart, frequency table, Carroll diagram, Venn diagram, label, title, axis, axes, diagram, most popular, survey, questionnaire, data.

**2-D shape:** equilateral triangle, isosceles triangle, scalene triangle, parallelogram, rhombus, trapezium, kite, polygon, x-axis, y-axis, quadrant

**3D shape:** Dodecahedron, net, open, closed

**Geometry-Position and direction:** north-east, north-west, south-east, south-west, NE, NW, SE, SW, translate, translation coordinate, reflex angle

**Statistics:** pie chart, most popular, most common, least popular, least common, maximum/minimum value, outcome, mean, mode, median, range, statistics, distribution, database