# Broad Square Primary School Tier 3 Vocabulary Progression - Maths

|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| EYFS | **Topic – Numbers to 5 Unit 1 –** Number names 1-5, count, forwards, backwards, how many, total, altogether, five frame, cube, same, different, next, after, arrange **Comparing Groups within 5 Unit 2**- first then now, every, more, fewer, same, different, count, represent, match, sort, compare, none, missing number, equal, greater | **Topic – Change within 5 Unit 4 –** Number names 1-5, count, forwards, backwards, how many, first, then, now, one more, one less, order, fewer, take away, add, altogether, number story, represent, five frame. **Number Bonds within 5 Unit 5–** Number names 1-5, count, counting, how many, more than, groups, parts, whole, part whole model, same, different **Space Unit 6 -** | **Topic – Numbers to 10 Unit 7 –** Number names 1-10, ten frame, count, how many, total, altogether, count forwards, count backwards, same, different, odd one out, more, fewer, collections, group, dice, method **Comparing numbers within 10 Unit 8 –** More, fewer, fewest, greater/greatest, smaller/smallest, larger/largest, taller/tallest, shorter/shortest, compare, how many, how many more, different, difference **Addition to 10 Unit 9 –** Number names 1-10, count, part, whole, | **Topic – Number bonds to 10 Unit 11 –** Number names 1-10, group, count, counters, how many altogether, how many more, how many fewer, more than, fewer than, less than, each, ten frame, part whole model, whole, part, bead string, missing number, one more, one less, add, number bond to 10 **Subtraction Unit 12 –** altogether, whole, leave, left, take away, part, group, count, | **Topic – Counting on and back Unit 14** Number names 1-10, count on/back, move forwards, go back, jump forwards, jump back, more, less, before, after, add take away, direction, moves, jumps, start stop, first, then, now, finish, altogether, total, number track, dice, largest, smallest, possibilities **Numbers to 20 Unit 15 -** Number names 11-20, count, | **Topic – Shape Unit 17 -** Puzzle, triangle, square, fold/open, count, how many, build, turn, same, different **Measure Unit 18 –** Full, nearly full, not full, half full, empty, half empty, nearly empty, more, most, less, least, nothing, none, same, equal, different, amount, fill, pour, empty, wide, wider, widest, narrow, narrower, |

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| | than, fewer than, equal amount<br>**Shape Unit 3 –**<br>Roll, stack, push, curved, straight, round, corners, face, edge, sides, square, rectangle, circle, triangle, sphere, cube, cuboid, cylinder, cone, big, little, like a box, like a can, slides, pointy, odd one out, same, different, difference, properties, characteristics | in, on, below, under, above in front of, behind, next to, up, down, across, forwards, backwards | altogether, addition, adding together, counting, more, fewer, how many, total<br>**Measure Unit 10 –**<br>large/larger/largest, big/bigger/biggest, small/smaller/smallest, tall/taller/tallest, longer/longest, shorter/shortest, further/furthest, heavy/heavier/heaviest, light/lighter/lightest, same, different, amount, widest, thinnest, length, width, height, weight, equal, the same, balanced, balance scale, estimate, predict, check, measure, compare, order | how many, total, subtract, break, number bond, combine, add, make<br>**Exploring Patterns Unit 13 –** next, continue, repeat/repeats, unit of repeat, core, cube, round, pattern/patterns, complex, size, shape, colour, action, elements, bigger, smaller, same, different, tall, short, stripes, squares | count on, count back, forwards, backwards, represent, show, more, less, fewer, how many, altogether, largest, smallest<br>**Numerical Patterns Unit 16** - double, equal groups, double facts, doubling, more, same, different, continue, pattern, next, predict, how many, altogether, count, groups, fewer, less, amount, teams, five frame, counters, dice, domino, number track, represent, half, halving, share, fair share, | narrowest, tall, thin, short, fat, estimate, predict, measure, check, compare<br>**Sorting Unit 19** – sort, group, object, same, different, odd one out, size, shape, colour, pattern, triangle, square, circle, bigger, smaller, counter, cube, how many, more than, describe, explain<br>**Time - Unit 20**<br>First, next, later, then, before, after, every day, time, clock face, o'clock, order, timetable, sequence |

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| | | | | | equal, each, even, uneven, unequal, fair, solution, odd, even, odd number, even number | |
| **Year 1** | **Topic –** **Numbers to 10 Unit 1** - equal to, (one) more than, (one) less than (fewer), most, least, smallest, greatest, greater than, pattern, sort, group, count on/back/up, number line, number track, ten frame **Part-whole within 10 Unit 2** – group, part, whole, number sentence, number bonds, part-whole model, in total, | **Topic –** **Subtraction within 10 Unit 4** How many left, take away, subtract, minus, fact family, count back, more than, less than, (< >) missing part, number stories, fact family **2D and 3D Shape Unit 5** – 2D, 3D, straight, curved, circle square, rectangle, triangle, cube, cuboid, sphere, pyramid, cone, cylinder, side, corner, edge, | **Topic – Numbers to 20 Unit 6** Numbers 11-20, count, count on, count back, one more than, one less than (fewer), most, least, smallest, greatest, greater than, tens, ones, most, fewest, order, compare **Addition and Subtraction within 20 Unit 7** Count, count on, count back, add, additions, plus, altogether, subtract, subtraction, minus, difference, in total, fact family, number bonds, number stories, how many left, how many fewer, part, whole, part whole | **Topic – Numbers to 50 Unit 8** Ones, tens, compare, order, more than, less than (< >) one more, one less, partition, count **Introducing Length and Height unit 9** Long, longer, longest, tall, taller, tallest, short, shorter, shortest, wide, wider, widest, thin, thinner, thinnest, measure, ruler, non-standard units, distance, | **Topic –** **Multiplication and Division Unit 11** Equal group, add, addition, altogether, total, array, column, row, double, twice, share, **Fractions – Unit 12** Whole, part, half, halves, quarter, share, split, equal | **Topic – Position and Direction Unit 13** Position, direction, turn, half turn, quarter turn, whole turn, left, right, in between, forwards, backwards, above, below, top, middle, bottom, first, second, third, fourth **Numbers to 100 unit 14** 100 square, number square, pattern, same, |

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| | altogether, plus, equal to<br>**<u>Addition within 10 Unit 3 -</u>**<br>Add, added, plus, part, whole, part-whole, altogether, in total, sum, missing part, count on, number bonds, number pairs, number stories | face, pattern, repeated | model, compare, greater, less predict | total, compare, length, height, centimetres (cm)<br>**<u>Introducing Mass and Capacity Unit 10</u>**<br>Heavy, heaviest, lighter, lightest, capacity, volume, contains, container, balance scales, full, empty, half, compare, weigh, weight, mass balanced, measure, estimate | | different, one more, one less, equal to, greatest, biggest, fewest, smallest, more than, less than, greater than, tens, ones, how many, count<br>**<u>Money Unit 15</u>**<br>Pound, penny, pennies, pence, coins, notes, bank notes, money, greater than, less than, value, worth, amount, add subtract, equal to, total<br>**<u>Time Unit 16</u>**<br>Before, after, yesterday, today, tomorrow, faster, slower, earlier, later, shorter, longer, week, Monday- |

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| | | | | | | Sunday, month, year, calendar, date, hour, minute hand, hour hand, o'clock, half past |
| **Year 2** | **Topic –** **Numbers to 100 Unit 1 –** Tens, ones, place value grid, partition, more, fewer, fewest, greater, greatest, smallest (< >) equal to, how many, count, part whole model<br><br>**Addition and Subtraction (1) Unit 2** – Part, whole, part whole model, add, added, plus, total, altogether, sum (of), | **Topic – Addition and Subtraction (2) Unit 3 –** Part, whole, part whole model, add, added, plus, total, altogether, sum (of), calculation, count, count on, count back, left, difference, subtract, take away, minus, **exchange**, compare, more than, less than, **regroup**, represent, 1s, 10s, ten more, ten less, place value, column, one digit number, 2-digit number, **bar** | **Topic – Money Unit 5 –** £, p, change, left, money, buys, count back, spend, step, how much? Value, amount, total, altogether, parts, between, difference, sort, match, compare, calculate, higher, lower, most, least, part whole model, number line, bar model<br><br>**Multiplication and Division (1) Unit 6 –** Equal, equal groups, unequal, unequal groups, repeated addition, sharing, grouping, skip counting, number in a group, number of groups, multiply, multiplication, | **Topic - Length and Height Unit 8** Width, distance, metres, centimetres, order, ruler, metre stick, estimate, measure, zero<br>**Mass, Capacity and Temperature - Unit 9** Balancing, accurately, estimating, reasoning, total, scale, interval, grams (g), kilograms (kg), kilos, volume, capacity, millilitres (ml), litres (l), | **Topic – Fractions - Unit 10** Half ½ quarter ¼, third 1/3, numerator, denominator, equivalent, three quarters, unit fraction, non-unit fraction, equal parts, divided by, share<br>**Time - Unit 11** Hands, face, analogue, minute hand, hour hand, quarter past, quarter to, quarter of an hour, 5, 10, 15, 20, 25 etc to 60, | **Topic – Position and Direction Unit 13** up, down, turn, three quarter turn, middle, position, pattern, clockwise, anticlockwise, above, below, top, bottom, between, cube, cylinder, circle, semi-circle, triangle, rectangle, square<br><br>**Statistics - Unit 14** Tally chart, tally, pictogram, block |

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| calculation, count, count on, count back, left, subtract, take away, difference, minus, 1s, 10s, ten more, ten less, place value, column, one digit number, 2-digit number, number sentence, number bond, known fact, fact family, multiples | **mode**l, number sentence, number bond, known fact, fact family<br>**Properties of Shape Unit 4 -** 2D, 3D, properties, semi-circle, oval, quadrilateral, polygon, pentagon, hexagon, sphere, hemisphere, triangular/square based pyramid, pentagon/hexagon based pyramid, side, vertex, vertices, edge, face, pattern, symmetry, symmetrical, line of symmetry | divided by, division, multiplication sentence, times, times table, times bigger, times taller, times greater, twice as big<br>**Multiplication and Division (2) Unit 7**<br>Divide, division, the division sign, share, group, odd, even, times tables, multiplication sentence, division sentence, product | temperature, thermometer, degrees Celsius, identical, divide, full, half full, three quarters, quarter, nearest to, x times as much, hotter, hottest, warmer, warmest, colder, coldest, cooler, coolest | 24 hours, day, daytime, night, night time, around the clock, am, pm, midday, midnight, morning, afternoon<br>**Problem solving and efficient methods Unit 12**<br>Part, whole, part whole model, partition, add, addition, more than, less than, subtract, difference, change, take away, less than, divide, division, share, multiply, multiplication, lots of, calculate mentally, altogether, groups of, total, sum, total cost, representation, bar model, | diagram, table, more, less, most, least, favourite, popular, equal, represent, symbol, key, information, total, altogether, compare |

| | | | | | efficient, number fact, number line, 100 square | |
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| **Year 3** | Topic – <u>**Place value within 1000**</u><br>Hundreds, ascending, descending.<br>**<u>Addition and subtraction:</u>** subtraction, mental method, column method, approximate. | Topic – <u>**Multiplication and division**</u><br>Sharing, commutative, remainder. | Topic – <u>**Multiplication and division**</u><br>Expanded written method.<br><br>**<u>Length and perimeter:</u>** Perimeter, millimetres, unit of measurement, convert, diagonal, expression.<br><br>**<u>Fractions:</u>** inequality statement, equivalent fraction. | Topic – <u>**Mass:**</u> Midpoint. | Topic – **<u>Fractions:</u>** set of objects.<br><br>**<u>Money:</u>** Nothing new.<br><br>**<u>Time:</u>** numerals, midnight, midday, am, pm, duration, past, to, end, digital clock, leap year, roman numerals, fastest, slowest, morning, afternoon, evening, night. | Topic – **<u>Angles and properties of shapes:</u>** right angle, acute, obtuse, parallel, perpendicular, vertical, horizontal, kite, trapezium, rhombus, parallelogram, triangular prism, square-based pyramid, tetrahedron, edges, faces, clockwise, anticlockwise.<br><br>**<u>Statistics:</u>** bar chart, pictogram, key, vertical axis. |
| **Year 4** | Topic – <u>**Place Value (4 digit numbers):**</u> recombine, | Topic – <u>**Area:**</u> space, area, rectilinear shape, unit. | Topic – **<u>Multiplication & Division:</u>** correspondence, combinations. | Topic – <u>**Fractions:**</u> fraction of an amount, fraction strip. | Topic – **<u>Decimals:</u>** 0.1, 0.01, decimal place. | Topic – **<u>Angles & 2D shapes:</u>** irregular, interior angle, |

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| | round, round up, round down.<br><br>**Addition & Subtraction:** strategy, efficient, exact, diagram. | **Multiplication & Division:** factor, related fact. | **Length & Perimeter:** kilometre, regular polygon.<br><br>**Fractions:** mixed number, improper fraction, simplify, simplest fraction. | **Decimals:** decimal point, tenths, hundredths, decimal, integer, tenths column, hundredths column, increase, decrease. | **Money:** notes, coins, cheaper, more expensive, over estimate, under estimate.<br><br>**Time:** units of time, seconds, days, weeks, months, years, 12-hour, 24-hour, analogue, digital, units of time. | isosceles, scalene, equilateral, reflective symmetry, exterior angles.<br><br>**Statistics:** data, line graph, table, discrete data, continuous data.<br><br>**Position and direction:** position, coordinate, plot, vertex, point, grid, translate. |
| **Year 5** | Topic – **Place value within 1,000,000:** ten-thousands, hundred thousands, million.<br><br>**Addition & subtraction:** inverse, distance chart. | Topic – **Multiplication and division:** prime number, composite number, square number, cube number, square $x^2$, cube $x^3$, common multiple, lowest common multiple. | Topic – **Fractions:** operator.<br><br>**Decimals and percentages:** per cent %, percentage. | Topic – **Perimeter and area:** square centimetres ($cm^2$), brackets, square metres ($m^2$), formula.<br><br>**Graphs and tables:** dual line graph, two-way table, axis/axes, | Topic – **Properties of shapes:** degrees, top view, plan view, side view, reflex angle, 90 degrees, 180 degrees, 360 degrees, protractor. | Topic – **Negative numbers:** positive, negative, temperature, counting sequence.<br><br>**Measure – converting units:** metric unit, imperial |

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| | | **Fractions:** proper fraction, common denominator. | | vertical axis, horizontal axis, plot, tallies/tally, timetable. | **Position and direction:** reflection, translation, mirror line, x-coordinate, y-coordinate.<br><br>**Decimals:** complement. | unit, pound (lb), ounce (oz), inch (in), foot (ft), yard (yd), pint, gallon, stone (st).<br><br>**Measure – capacity:** $cm_3$ cube. |
| **Year 6** | **Topic – Place value within 10,000,000:** ten million.<br><br>**Four operations:** divisibility, short division, long division, column multiplication, long multiplication, order of operations, inverse operation, columnar, divisor, dividend. | **Topic – Fractions:** highest common factor, lowest common multiple, lowest common denominator.<br><br>**Imperial & metric measures:** miles, conversion table, conversion graph, gallons, ratio. | **Topic – Ratio & proportion:** proportion, notation, scale factor, enlarge, enlargement, map scale.<br><br>**Algebra:** rule, term, algebra, substitute, generalise, growing pattern, algebraic. | **Topic – Decimals:** recurring decimal, placeholder, quotient.<br><br>**Perimeter, area & volume:** base, dimensions, cubic centimetres ($cm^3$), cubic metres ($m^3$), | **Topic – Statistics:** mean, average, pie chart, sectors, compare, represent, balance, advantages, disadvantages, frequency, category.<br><br>**Properties of shapes:** isometric, diameter, radius, circumference, concentric, nets, | **Topic – Problem solving:** sum of interior angles. |

| | | | | | vertically opposite angles.

**Position & direction:** quadrant, four quadrants, plotting, oblong, reason, original. | |
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