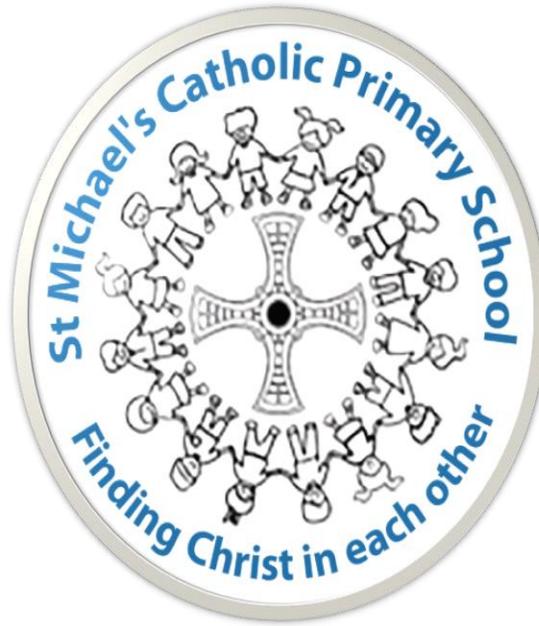


St Michael's Catholic Primary School



Maths Progression of Vocabulary

	Number and Place Value
Year F	one (1), two (2), three (3), four (4), five (5), six (6), seven (7), eight (8), nine (9), ten (10), eleven (11), twelve (12), thirteen (13), fourteen (14), fifteen (15), sixteen (16), seventeen (17), eighteen (18), nineteen (19), twenty (20) number, how many, compare, same, different, more, less, fewer, largest, smallest, odd one out, order, arrange, group, collections, represent, show, total, altogether, next, after, count on, count forwards, count back, count backwards, method, solutions, five frame, ten frame, cube and counter.
Year 1	In addition to previous years: digit, value, matching, count on and back, one more and one less, is equal to =, greater than > and less than <, most and fewest, ordinal numbers, whole, part, part whole model, bar model, order, tens and ones, numerals to 100, number names to 100, place value and partition.,
Year 2	In addition to previous years: place value grid, more, least, greatest
Year 3	In addition to previous years: Hundred, hundreds, 100, 100s, number line, sequence
Year 4	In addition to previous years: Integer, thousands, recombine, rounding, round up, round down, negative number, positive number, rule, Roman numerals (I to X)
Year 5	In addition to previous years: Ten thousands, hundred thousands, roman numerals to M, million
Year 6	In addition to previous years: Ten million, estimate, approximately, exactly

	Addition and Subtraction
Year F	1,2,3,4,5,6,7,8,9,10,one,two,three,four,five, sort, group, object, same, different, size, shape, colour, pattern, triangle, square, bigger, smaller, counter, cube, how many, more than, describe, explain, one less, one more, order, fewer, take away, add, altogether, number story, represent, five frame, first, then, now, parts, whole, part-whole model, how many, total, ten frame, bead string, missing number, number bond to 10, jump forwards, jump backwards, forwards, backwards, direction, moves, jumps, number track, dice.
Year 1	In addition to previous years: in total, sum, added, plus, or +, count, count on, missing, missing part, number bonds, number pairs, number stories, how many left, take away, remain, in total, begin with.
Year 2	In addition to previous years: exchange, compare, greater than, less than, more, less,(>), (<), ones, tens, 10 more, 10 less, place value, column, 1-digit number, 2-digit number, number sentence, known fact, fact family, calculation, (+)count back, subtract, take away, minus, (-),bar model, partition, minus, altogether
Year 3	In addition to previous years: difference , pattern, variation, column method, mental method, number line,, calculations, regroup, solutions place value, fact family, related facts, number statements, method, order hundreds (100s), tens (10s), ones (1s), digits, zero (0) multiple of 10, multiples of 100, 3-digit number, 10 ones, 10 tens, inverse
Year 4	In addition to previous years: 1,000s (thousands) , exchange, estimate, accurate, efficient, increase, decrease.
Year 5	In addition to previous years: 10,000s (ten thousands), difference , round , mentally .
Year 6	In addition to previous years: method, column, columnar.

	Multiplication and Division
Year F	double, equal groups, double facts, doubling, more, same, different, continue, pattern, next, predict, how many, altogether, count, groups, more, fewer, less, amount, teams, five frame, counters, dice, domino, number track, represent ,half, halving, share, fair share, equal, each, uneven, unequal, fair, solution, odd, even, odd number, even number.
Year 1	In addition to previous years: array , row, column, twice, total, equal groups, same, different share, sharing equally, fairly, total, altogether, each ,division
Year 2	In addition to previous years: repeated addition, skip counting, number in a group , number of groups ,times, times-table ,multiply/multiplication (x) ,more than, less than, bar model , equal parts , number of equal parts , times bigger/times taller/ times greater, twice as big.
Year 3	In addition to previous years: unequal groups, statement, multiplication fact, multiplication sentence, divide (\div), division statement, division fact, whole, leftover, remainder ,one-step, two-step, multi-step, number line ,pattern , count up, total, double, method ,repeated addition
Year 4	In addition to previous years: grouping, groups of, lots of, sets of, grouped, x groups of y , number facts, number sentences, multiplication facts/ sentences, division facts/sentences, fact family, ones (1s), tens (10s), hundreds (100s), zero (0), how many, method, calculation, exchange, solve, less than ($<$), added, sort, sum, recall
Year 5	In addition to previous years: Multiple, factor, common multiple, common factor, prime number, composite number, square number, cube number , inverse operation, thousands, tens of thousands.
Year 6	In addition to previous years: prime factor, brackets, product, approximation, short division, long division, divisor, dividend, inverse grid method, order of operations

Fractions, Decimals and Percentages	
Year F	N/A
Year 1	In addition to previous years: half, halves, quarter, equal share, split ,part, whole
Year 2	In addition to previous years: how many, different
Year 3	In addition to previous years: equal parts, fraction, unit fraction, non-unit fraction, denominator, numerator partition, group, interval, combine, count on, count back, represent halves, thirds, quarters, fifths, sixths, sevenths, eighths, ninths, tenths, elevenths, twelfths mixed number, whole number, fractional part, integer, set of objects
Year 4	In addition to previous years: Hundredth, improper fraction, simplify, simplest fraction, proper fraction, fraction strip, represent, number line, diagram, problem solving, decimal point, whole, tenths, hundredths, integer, tenths column, hundredths column one more, one less, greater than, less than, increase, decrease divide, regroup, equivalent, partition. decimal point, decimal place, 0·1, 0·01 equivalent, number bond, equivalent fraction whole number, digit ,order, compare, statement, ascending, convert
Year 5	In addition to previous years: Expand, remainder, divisor, dividend, quotient, percent (%),decimal place, thousandths
Year 6	In addition to previous years: highest common factor, lowest common multiple, convert , percentage, simplify, degree of accuracy

	Measurement
Year F	first, next, later, then ,before, after, every day , time, clock face, o'clock, order, timetable, sequence
Year 1	In addition to previous years: long, longer, longest short, shorter, shortest , tall, taller, tallest ,length, height compare, comparison , measure , distance unit, non-standard units , ruler ,centimetre (cm) ,total, difference, weight, weigh capacity, volume, contains, container heavier, heaviest, lighter, lightest more, most, fewer, less, least , addition, subtraction balance scales, balanced compare, measure, estimate empty, full, amount, half ,faster, slower, shorter, longer, earlier, later , yesterday, today, tomorrow , day, week, month, year , Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday , calendar, date minute hand, hour hand, second hand, o'clock, half past ,second, minute, hour, pound, penny, pennies, pence coins, notes, banknotes £, p
Year 2	In addition to previous years: Notes, change, left , right, money, buy(s), spend, step how much?, value, amount, total, altogether, parts, between, difference, count on, sort, match, compare, add, addition, calculate, subtraction, width, distance long, longer, short, shorter tall metres (m), centimetres (cm) order, ruler, metre stick , measure , zero, analogue, quarter past, quarter to, quarter of an hour, almost, same, units, last, convert, how long , passed, shorter, longer, fastest, slowest five, ten, fifteen, twenty, twenty-five, thirty, thirty-five, forty, forty-five, fifty, fifty-five, sixty ,5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, time, start time, end time, duration, time taken, finish, forwards, backwards, twice , 24 hours, day, daytime, night time, around the clock, am, pm midday, midnight, morning, afternoon, balance, comparing, estimating, reasoning, accurately, total, scale, interval, mass, grams (g), kilograms (kg), kilos, volume, capacity, millilitres (ml), litres (l) temperature, thermometer, degrees Celsius (°C), hotter, hottest, warmer, warmest, colder, coldest, cooler, coolest
Year 3	In addition to previous years: Total, amount, millimetres (mm), diagonal, perimeter, ascending, predict, leap year, midnight, midday/noon, Roman numerals, left , passed, fastest, slowest 12-hour clock, 24-hour clock, daytime, night time, around the clock.
Year 4	In addition to previous years: kilometres, distance, around, reflection, rotation, cheaper, more expensive, over estimate, under estimate, equal to (=)
Year 5	In addition to previous years: Area, scale, square centimetres (cm ²), square metres (m ²), metric units, gram, kilogram, millilitre, litre, millimetre, centimetre, metre, kilometre imperial units, ounce (oz), pound (lb), stone (st), pint (pt), gallon, inch (in), foot ('), yard (yd),
Year 6	In addition to previous years: conversion table, conversion graph,

	Geometry
Year F	in, on, below, under, above, in front of, behind, next to, up, down, across, forwards, backwards, left, right ,roll, stack, push, curved, straight, round, corners, face, edge, sides ,square, rectangle, circle, triangle ,sphere, cube, pyramid, cylinder, cone, big, little, flat, like a box, like a can, slides, pointy, odd one out, same, difference, different properties, characteristics
Year 1	In addition to previous years: 2D, 3D, cuboid, square-based pyramid, pentagon, hexagon, pattern, repeat, turn, position, direction half turn, quarter turn, three-quarter turn, whole turn , left , right, in between, forwards, backwards , below, top, middle, bottom, up, down
Year 2	In addition to previous years: quadrilateral ,polygon, heptagon, octagon, nonagon, decagon, vertex, vertices, line of symmetry ,symmetrical, hemisphere ,curved surface, edge, prism ,anti-clockwise ,clockwise, regular,, irregular, triangular prism, pentagonal prism, hexagonal prism.
Year 3	In addition to previous years: right angle, perpendicular ,acute ,obtuse, horizontal ,vertical, parallel, trapezium, parallelogram, tetrahedron
Year 4	In addition to previous years: interior angle, , isosceles ,scalene ,equilateral ,reflective ,symmetry, grid ,coordinates, kite, rhombus
Year 5	In addition to previous years: degree (°), exterior angle, top view ,plan view, side view, mirror line, translation, net
Year 6	In addition to previous years: quadrant ,reflect ,translate, vertically opposite angles, radius, concentric ,diameter, circumference

	Statistics
Year F	N/A
Year 1	N/A
Year 2	pictogram ,key
Year 3	In addition to previous years: bar chart ,vertical ,axis ,scale
Year 4	In addition to previous years: line graph, continuous
Year 5	In addition to previous years: two-way table, dual line graph, interpret
Year 6	In addition to previous years: average ,mean, pie chart ,segment

	Algebra
Year F	N/A
Year 1	N/A
Year 2	N/A
Year 3	N/A
Year 4	N/A
Year 5	N/A
Year 6	pattern, growing pattern, sequence, rule ,term ,algebra, algebraic expression ,formula, formulae , substitute , generalise , operation , calculation, calculate ,equation , inverse solution , represent , value.

	Ratio and Proportion
Year F	N/A
Year 1	N/A
Year 2	N/A
Year 3	N/A
Year 4	N/A
Year 5	N/A
Year 6	ratio, ratio notation, 1 : 2, proportion , part, whole, total , group , fraction , unequal, equal simplest form, simplify , for every x there are y, similar ,enlarge, enlargement scale, map scale, scale factor