Four Oaks Primary School Mathematics Vocabulary Progression Map

The table below shows the mathematical vocabulary that will be introduced in each year group. It is noted that although learning in certain topics deepens as children progress through the year groups, often there is only a limited amount of new vocabulary required. The table indicates the new vocabulary children are expected to understand and use confidently by the end of each year group. Children may be exposed to other mathematical language, additional to that listed within their year group, through adult modelling.

	Number: Place Value	Number: Addition and Subtraction	Number: Multiplication and Division	Fractions, Decimals and Percentages
Nursery	Order More than fewer than Altogether How many...? Guess Compare Count Number Total One, two...ten			
Reception	zero one, two, three ... to twenty count in ones count (up) to, count on (from, to), count back (from, to) is the same as digit less pattern pair ones, tens, digit the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more/ one less size last, last but one before, after, next, between first/ second/ third equal to close to subtitise (I can see/ I know...)	add, more, and, make, one more, two more how many more to make ...? how many more is ... than ...? how much more is ...? take away how many are left/left over? one less, two less, how many fewer is ... than ...? how much less is ...? difference between number bonds double	sharing doubling halving number patterns odd and even grouping	parts of a whole half

Year 1	numeral twenty twenty-one, twenty-two … one hundred none count in twos, fives, tens forwards/ backwards equivalent to more than/ less than most, least odd, even ones, tens, digit/ two digit number , ten more/ less equal to first, second, third…twentieth half way between above, below estimate/ estimation close to number line partition, recombine	addition ten more.. sum equals is the same as missing number	count in steps of one, two, five, ten near double half / halve	fraction equal part equal grouping equal sharing quarter one of two equal parts one of four equal parts unit fraction non-unit fraction
Year 2	sequence continue rule step counting > as 'greater than' < as 'less than' place holder place value count in steps of 3 represents	inverse exchange any order (*commutative law*) mental method calculate	multiplication/ multiplication facts/ times tables multiply multiple multiplied by division dividing group of grouping array any order (*commutative law*)	third one third two thirds three quarters equivalent half as much twice as much
Year 3	one hundred…..one thousand count in fours, eights, fifties, hundreds one hundred more/ less three digit number quantity	one hundred more// less formal written column addition/ subtraction number line	mental/ formal written method (2 digit x 1 digit) commutativity multiple	tenths 10 equal parts numerator denominator fifths, sixths, sevenths, eighths, ninths, tenth

Year 4	thousands count in sixes, sevens, nines, twenty-fives and thousands. 1000 more/ less four digit number round/ rounding nearest 10/ 100/ 1000 negative roman numerals	which operation…? two-step problem	which operation…? derived facts/ derive factor factor pairs remainder distributive law associative integer mental/ formal written method (3 digit x 1 digit)	hundredths 100 equal parts decimal equivalent one/ two decimal place(s)
Year 5	ten thousands, hundred thousands, millions roman numerals to 1000 (m) linear sequence nearest 10,000/ 100,000	multi-step problem	composite prime number prime factor common factor powers square/ cube number squared/ cubed formal written method/ long multiplication (4 digit x 2 digit) short division interpret (remainders)	thousandths mixed numbers improper fractions three decimal places per cent (number of parts per hundred) percentage percentage and decimal equivalents.
Year 6	ten millions intervals	order of operations (bidmas)	long division (4digit divided by a 2digit) common multiples order of operations (bidmas)	simplify

		Measurement	Geometry	Statistics	Ratio and Proportion	Algebra
Nursery	**General** size compare big small **Time** day Monday, Tuesday…Sunday morning/ afternoon/ evening/ night today/ tomorrow/ yesterday first/ then before/ after	**Mass** heavy heaviest light **Length** longer (est)/ shorter (est) **Capacity** full empty	**Shape properties** rectangle square circle triangle sides corners straight flat round **Position and Direction** in front of behind between around up/ down/ in/on/under/besides **Pattern** Repeating/ Pattern			
Reception	**General** enough/ not enough too much/ too little too many/ too few nearly/ close to/ about the same as **Time** earlier/ later year, month, week, weekend yesterday	**Mass** heavier (than) heaviest lighter (than) lightest **Length** far near **Capacity** half full/ empty more than less than **Money** coin Coin values 1p and 5p amount penny (p)	**Shape properties** pattern 2-d pattern sequence 3d cube cuboid pyramid sphere **Position and Direction** top middle bottom above below around near close far forwards backwards inside outside			

Year 1	**Time** January, February…December hour, minute, second old(er), new(er) clock (face) o'clock, half past birthday watch hour (hand) minute (hand) past/to fast(er), quick(er), slow(er) early, late, **Mass** weigh weight balance (weighing) scales	**Length** distance measure **Capacity** volume half full **Money** note pound (£) coin values (one pence to fifty pence).	**Shape Properties** **Position and Direction** left right			
Year 2	**Time** quarter/ half past/ to clockwise anti-clockwise 5 minute intervals **Mass** gram kilogram **Length** height width metre (m) centimetre (cm) ruler	**Capacity** litre millilitre **Temperature** degrees Celsius **money** price cost amount change pound (£)	**Shape Properties** vertices edges faces symmetry **Position and Direction** straight curved rotate rotation	pictogram tally chart block diagram table data category(ies)		
Year 3	millimetre perimeter roman numerals to xii am/pm duration noon midnight analogue clock digital clock duration 24 hour cock		orientation degree (s) right angle perpendicular parallel horizontal vertical quadrilateral	interpret scale bar chart		

Year 4	convert conversion rectilinear area kilometre dimensions	classify regular polygon irregular pentagon reflex hexagon coordinates heptagon quadrant octagon plot nonagon grid decagon translate polyhedron translation acute axis/axes obtuse scale isosceles	label graph discrete/ continuous data		
Year 5	composite rectilinear cm^2/ cm^3/ m^2/ m^3 metric imperial inch foot yard mile pound (lb) pint	horizontal reflex point reflection x-axis y-axis			
Year 6	mm^3 km^3	area of a parallelogram dissect(ion) net radius diameter circumference complementary angles	pie chart mean average data set	relative size scale factor proportion ratio as a:b	symbol letter formula(e) sequence algebraic(ally) equation unknown variable constant generalise