



St. Luke's CE Primary School

Mathematics Vocabulary Progression Map

The table below shows the mathematical vocabulary that will be introduced in each year group. It indicates the vocabulary that the children are expected to know, understand and use confidently by the end of each year group.

	Foundation Stage 2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	zero number digit one, two, three ... to twenty count, count (up) to, count on (from, to), count back (from, to) count in ones odd, even pattern pair ones, tens, digit	numeral twenty-one, twenty-two ... one hundred none count in twos, fives and tens forwards backwards, equivalent to more than, less than ten more, ten less most, least	count in steps of three and four greater than, less than sequence continue rule place holder place value represents exchange tally	count in steps of eight, twenty-fives, fifty and so on to hundreds one hundred ... one thousand one hundred more, one hundred less three-digit number quantity round, rounding nearest 10, 100	ten thousand count in steps of six, seven, nine and thousands one thousand more, one thousand less four-digit number nearest 1000 negative, positive roman numerals decimal numbers	hundred thousand, million ascending order, descending order factor pair roman numerals to 1000 (m) linear sequence nearest 10,000 and 100,000 tens of thousands, hundreds of thousands millions number sequences	powers of ten factorise ten million intervals accuracy



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	<p>the same number as, as many as</p> <p>more, larger, bigger, greater</p> <p>fewer, smaller, less</p> <p>fewest, smallest, least</p> <p>less</p> <p>most, biggest, largest, greatest</p> <p>one more, ten more</p> <p>one less, ten less</p> <p>compare, order, size</p> <p>first, second, third</p> <p>last, last but one</p>	<p>many</p> <p>multiple of</p> <p>half-way between</p> <p>above, below</p> <p>one-digit numbers, two-digit numbers</p> <p>first, second, third ... twentieth</p> <p>estimate, estimation</p> <p>number line</p> <p>partition</p> <p>part whole model</p> <p>bar model</p>					
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	before, after, next, between						
	equal to						
	close to						
	subitise (i can see/ i know)						
Addition and subtraction	Add, more, and, make, sum, total, altogether One more, two more....ten more How many more to make...? How many more is.... than ...? How much more is? Take away How many are left/left over?	addition subtraction ten more, ten less sum equals missing number number line	inverse exchange borrow any order (communicative law) mental method calculate formal written column addition and subtraction	one hundred more, one hundred less	two-step problems which operation?	multi-step problems	order of operations (bidmas)



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	<p>How many have gone?</p> <p>How many fewer is..... than...?</p> <p>How much less is..?</p> <p>One less, two less, ten less...</p> <p>Difference between</p> <p>Number bonds</p> <p>double</p>						
Estimating	<p>guess, how many ...?</p> <p>estimate</p> <p>nearly</p> <p>close to</p> <p>about the same as</p>	roughly	<p>exact</p> <p>exactly</p>	<p>approximately, approximate</p> <p>round</p> <p>nearest</p> <p>round to the nearest ten/hundred</p> <p>round up, round down</p>	round to the nearest thousand	round to the nearest ten thousand	



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	<p>just over, just under</p> <p>too many, too few</p> <p>enough, not enough</p>						
Multiplication and Division	<p>sharing</p> <p>doubling, double</p> <p>halving, half, halve</p> <p>number patterns</p> <p>odd and even</p> <p>grouping</p>	<p>array</p> <p>multiplication, multiply</p> <p>multiplied by</p> <p>multiple</p> <p>division, dividing</p> <p>near double</p> <p>count in steps of one, two, five and ten</p>	<p>groups of</p> <p>times</p> <p>once, twice, three times ... ten times</p> <p>repeated addition</p> <p>divide, divided by, divided into</p> <p>share, share equally</p> <p>left, left over</p> <p>one each, two each, three each ... ten each</p> <p>group in pairs, threes ... tens</p>	<p>mental and formal written method (two-digit and one-digit numbers)</p> <p>short division</p> <p>commutativity</p> <p>product</p> <p>remainder</p>	<p>derived facts, derive</p> <p>factor</p> <p>factor pairs</p> <p>distributive law</p> <p>associative</p> <p>integer</p> <p>mental and formal written method (three-digit and one-digit numbers)</p>	<p>square number, squared</p> <p>cubed number, cubed</p> <p>prime number</p> <p>prime factor</p> <p>common factor</p> <p>formal written method/ long multiplication (four-digit number and two-digit number)</p>	<p>long division (four-digit number divided by a two-digit number)</p> <p>common multiples</p> <p>order of operations (bidmas)</p> <p>powers</p>



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			multiplication table times tables multiplication fact division fact row, column				
Fractions	parts of a whole half quarter	fraction equal part, equal grouping, equal one of two equal parts, one of four equal parts unit fraction non-unit fraction	equivalent fraction mixed number numerator denominator two halves two quarters, three quarters third, one third, two thirds, one of three equal parts half as much twice as much	fifths, sixths, sevenths, eighths, ninths, tenths ... ten equal parts	hundredths one hundred equal parts decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion	proper/improper fraction simplify thousandths in every, for every percentage, per cent, % mixed numbers three decimal places	<u>ratio and proportion</u> scale factor relative size proportion ratio as a:b <u>algebra</u> formula, formulae equivalent unknown variable expression sequence



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							constant generalise algebraic, algebraically
Measure	measure size compare guess, estimate too much, too little, too many, too few nearly, close to, about the same as enough, not enough <u>length</u> metre length height	measurement roughly <u>length</u> centimetre ruler metre stick	measuring scale <u>length</u> further, furthest tape measure	division approximately <u>length</u> millimetre, kilometre, distance apart ... between ... to ... from perimeter	unit, standard unit, metric unit <u>length</u> mile breadth edge	imperial unit <u>length</u> square metre (m ²), square millimetre (mm ²)	<u>length</u> yard, foot, feet, inch, inches circumference



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	<p>long, tall, high</p> <p>longer, taller, higher</p> <p>longest, tallest, highest</p> <p>shorter shortest</p> <p>short, low</p> <p>wide, thick</p> <p>thin, narrow</p> <p>far, near, close</p> <p><u>weight</u> weigh, weighs</p> <p>balances</p> <p>heavy, heavier than, heaviest</p> <p>light, lighter than, lightest</p> <p>scales</p> <p><u>capacity and volume</u></p>	<p><u>weight</u> kilogram, half kilogram</p> <p><u>capacity and volume</u></p>	<p><u>weight</u> gram</p> <p><u>capacity and volume</u> millilitre</p>	<p>depth</p> <p><u>weight</u> heavier than, lighter than</p>	<p>area, covers</p> <p>square centimetre (cm²)</p> <p><u>weight</u> mass: big, bigger, small, smaller</p> <p>weight: heavy/light, heavier/lighter, heaviest/lightest</p> <p><u>capacity and volume</u></p>	<p><u>capacity and volume</u> pint</p>	<p><u>weight</u> tonne</p> <p>pound</p> <p>ounce</p> <p><u>capacity and volume</u> centilitre</p>
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	<p>full, half full</p> <p>empty</p> <p>holds</p> <p>container</p> <p>more than, less than</p> <p><u>time</u> time</p> <p>days of the week, day, week</p> <p>birthday</p> <p>holiday</p> <p>morning, afternoon, evening, night, bedtime</p>	<p>litre, half litre</p> <p>capacity</p> <p>volume</p> <p>more than, less than</p> <p>quarter full</p> <p><u>time</u> weekend, month, year</p> <p>months of the year</p> <p>date</p> <p>seasons</p> <p>midnight</p> <p>fortnight</p> <p>earlier, later, first</p>	<p>contains</p> <p><u>temperature</u> temperature</p> <p>degree</p> <p><u>time</u> fortnight</p> <p>10, 15 ... minutes past</p> <p>digital/analogue clock/watch</p> <p>timer</p> <p>seconds</p>	<p><u>temperature</u> centigrade</p> <p><u>time</u> century</p> <p>leap year</p> <p>calendar</p> <p>earliest, latest</p> <p>a.m, p.m</p> <p>roman numerals</p> <p>12-hour clock time, 24-hour clock time</p>	<p>measuring cylinder</p> <p><u>time</u> millennium</p> <p>noon</p> <p>date of birth</p> <p>timetable</p> <p>arrive</p> <p>depart</p>	<p>gallon</p> <p><u>time</u> Greenwich mean time</p> <p>British summer time</p> <p>international date line</p>	<p>cubic centimetres(cm³), cubic metres (m³), cubic millimetres (mm³), cubic kilometres (km³)</p>
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	money coin penny, pence pound price buy, sell spent, pay	note, notes coin values (1p to 50p) how much ...? how many ...? total	cost, costs more, costs less, costs the same as amount change bought sold			discount currency	profit loss
Geometry	<u>properties of shape</u> shape pattern flat, curved, straight, round, hollow, solid sort, make, build, draw size, bigger, larger, smaller	<u>properties of shape</u> symmetry, symmetrical, symmetrical pattern	<u>properties of shape</u> surface line symmetry	<u>properties of shape</u> perimeter angle	<u>properties of shape</u> classify line construct sketch centre right-angled base square based	<u>properties of shape</u> point axis of symmetry, reflective symmetry y-axis, x-axis	<u>properties of shape</u> circumference, concentric arc net open, closed intersecting, intersection plane radius



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	cube pyramid sphere cone <u>position and direction</u> position over, above, top under, below, bottom, side, outside, inside on, in around, in front, front, behind, back, beside, next to opposite apart between, middle	<u>position and direction</u> underneath centre journey whole turn, half turn, quarter turn, three-quarter turn	<u>position and direction</u> route higher, lower, clockwise, anti-clockwise right angle straight line	prism, triangular prism <u>position and direction</u> compass point north, south, east, west n, s, e, w horizontal, vertical, diagonal angle ... is a greater/smaller angle than acute angle, obtuse angle	tetrahedron, polyhedron <u>position and direction</u> north-east, north-west, south-east, south-west ne, nw, se, sw translate, translation rotate, rotation degree reflection ruler set square angle measurer compass	<u>position and direction</u> coordinate protractor reflex angle	
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	edge corner direction left, right, up, down, forwards, backwards, sideways, across close, near, far along, through to, towards from, away from movement slide, roll, turn, stretch, bend						
Statistics	count sort	table vote	tally, tally chart block diagram	chart bar chart	graph comparison	maximum/minimum value	pie chart



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	group set list		pictogram represent label title most popular, most common, least popular, least common data category(ies)	interpret scale	sum difference line graph discrete continuous data	outcome	mean (mode, median, range as estimates for this) statistics distribution average data set
General	pattern puzzle what could we try next? how did you work it out? recognise describe draw	problem problem solving mental, mentally explain your thinking	show how you... explain your method describe the pattern describe the rule investigate	greatest value least value statement explain your reasoning			



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	compare						
	sort						