



## Burleigh Primary School Maths Vocabulary Progression Map



Red = vocabulary introduced essentials planning prior to curriculum requirements    Blue = vocabulary introduced in essentials planning in addition to curriculum requirements

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number - counting and number properties	number count/counting forwards backwards count on count back zero twenty-one <sup>up to</sup> ninety-nine odd even pattern steps of multiple subitise	numeral hundreds step counting count in multiples	one hundred and one <sup>up to</sup> one thousand integer/s decimal/s decimal notation ascending descending	thousands Roman numerals to C negative numbers positive numbers	ten thousand hundred thousand millions Roman numerals to M power/powers of prime number complement composite square number square/squared (d) <sup>2</sup> cube number cube/cubed (d) <sup>3</sup>	ten million
Number - Place value, ordering and comparing	value same different one/s ten/s hundred column one-digit two-digit more/more than less/less than fewer/fewer than equal/equal to/=	place value partition place holder estimate estimation half-way three-digit equivalent greater than > less than < digit mid-point quartile	round/rounding/rounded approximately ≈ nearest ten nearest hundred nearest whole three-digit	nearest thousand four-digit	nearest million nearest hundred thousand linear sequence equivalence	interval multi-digit

	not equal most fewest least first <small>up to</small> twentieth order amount size number line larger/largest bigger/biggest estimate compare between above below middle sort sequence equivalent greater than > less than < digit consecutive greatest benchmark near/nearer far close to					
Number - Calculation	total/in total sum plus add/addition/+	commutative inverse calculate multiplication	column addition column subtraction inverse operations associative law	operation/s methods factor factor pairs	prime factor common factor short division	long division common multiples

<p>altogether combine number bond difference distance between subtract/subtraction/- minus take/taken away how much how many bonds start/change/result facts problems missing number problems left/leftover part whole unknown number sequence equal equally unequal pair group/grouped/grouping share/shared/sharing double/s/doubling twice as each half/halving/halves lots of groups of times array</p>	<p>division times tables multiplication division times tables multiplication table repeated addition reordering mental method written method reduce increase combination multiply/multiplied fact family calculation divide remainder multiple/s rebalancing product divisible</p>	<p>short multiplication base fact comparison long division correspondence scaling integer scaling quotient statements derived facts formal written layout product divisible decomposition distributive law</p>	<p>derive distributive law</p>	<p>long multiplication dividend divisor</p>	<p>order of operations brackets abstract variables BIDMAS</p>
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	regroup/regrouping bar model remainder multiple/s					
Fractions	half/halve/halves quarter/quarters one-quarter two quarters three quarters sharing group/groups grouping part whole equal parts same size bar equal/equally numerator denominator fraction notation $\frac{1}{2}$ $\frac{1}{4}$	two-quarters third one-third two-thirds equivalent/equivalence one and a quarter one and two-quarters one and a half one and three-quarters half as much twice as much numerator denominator fraction notation $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{4}$	fifths sixths sevenths eighths ninths tenths order unit-fraction non-unit fraction discrete continuous	hundredths decimal equivalents decimal places decimal point proportion convert proper fractions improper fractions	mixed numbers fractions per cent % percentages	simplify degrees of accuracy
Measurement - Time	year month week day weekday weekend chronological order days of the week Monday Tuesday	analogue quarter past/to five & ten past/to clockwise anticlockwise noon midday midnight intervals of time	Roman numerals to XII am (ante meridiem) pm (post meridiem) duration analogue clock digital digital clock 12-hour clock 24-hour clock event	convert conversion		

Wednesday Thursday Friday Saturday Sunday months of the year January February March April May June July August September October November December night hour minute second morning afternoon evening yesterday today tomorrow before after old/older new/newer clock/clock face o'clock		leap year			
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	<p>half past          birthday          watch          minutes past/to          quarter past/to          half past          fast/faster/fastest          slow/slower/slowest          early/earlier          late/later          time</p>					
<p>Measurement          - Mass</p>	<p>weigh/weight          heavy/heavier than          heaviest          light          lighter/lighter than          lightest          balance          (weighing) scales          ruler          mass          gram          kilogram</p>	<p>kilogram (kg)          scale</p>			<p>pound/lb</p>	<p>stones          ounces</p>
<p>Measurement          - Length</p>	<p>height          long/longer/longest          tall/taller/tallest          short/shorter/shortest          wide/wider/widest          narrow/narrower/narrowest          centimetre          metre          far          distance          measure</p>	<p>height          width          metre/m          centimetre/cm          scale          standard units          millimetre/mm</p>	<p>perimeter          length          millimetre/mm</p>	<p>rectilinear          figure          area          dimensions          kilometre/km</p>	<p>composite          metric units          imperial units          inch/inches/in          foot/feet/ft          yard          mile          centimetre          squared (cm<sup>2</sup>)          metre squared          (m<sup>2</sup>)</p>	

					compound shape	
Measurement - Capacity	volume full/fuller/fullest empty/emptier/emptiest more than less than half full half quarter capacity	litre/l millilitre/ml scale quarter full three-quarters full			pint/pt centimetre cubed (cm <sup>3</sup> ) metre cubed (m <sup>3</sup> )	millimetres cubed (mm <sup>3</sup> ) gallons
Measurement - Money	coin/s note/s amount penny/p pound/£ one penny two pence five pence ten pence twenty pence fifty pence combination money	price cost amount change value				
Measurement - temperature		temperature degrees Celcius/ °c thermometer scale				
Measurement - speed						miles per hour (mph) kilometres per hour (kph)

<p>Geometry - shape properties</p>	<p>pattern 2-D/two-dimensional rectangle/s square/s circle/s kite/s triangle/s 3-D/three-dimensional cube/s cuboid/s pyramid/ cylinder/s sphere/s side/s line straight curved/flat open/closed shape corner base point diagonal pentagon/s hexagon/s heptagon/s octagon/s opposite</p>	<p>vertical horizontal vertex/vertices edge/s face/s quadrilateral/s polygon pentagon/s hexagon/s heptagon/s octagon/s prism/s cone/s symmetry line of symmetry surface mirror line properties classify opposite regular irregular</p>	<p>orientation degree/s angle right angle perpendicular parallel horizontal vertical polyhedron polyhedral acute angle obtuse angle reflection orientation three-dimensions right-angle triangle internal angle congruent</p>	<p>classify nonagon/s decagon/s isosceles scalene equilateral parallelogram/s protractor adjacent regular/irregular rhombus/es geometric shapes internal angle congruent</p>	<p>diagonal point reflection straight line (180°) one whole turn (360°) reflex angle regular polygon irregular polygon angles around a point missing angle net</p>	<p>dissect dissection net radius diameter circumference vertically opposite complimentary angles dimensions composite exterior angle intersect</p>
<p>Geometry - Position and direction</p>	<p>left right top middle bottom on top of in front of</p>	<p>sequence rotate rotation angle right-angle straight line arrange</p>	<p>North East South West compass</p>	<p>co-ordinates co-ordinate pairs first quadrant plot grid translate</p>	<p>x-axis y-axis</p>	<p>co-ordinate plane four quadrants</p>

	behind between above below beneath underneath around near close far up down forwards backwards inside outside clockwise repeated position direction movement whole turn quarter-turn half-turn three-quarter turn full turn to the side next to anti-clockwise row column	anti-clockwise row column North East South West compass		translation axis/axes scale label x-axis y-axis		
Statistics		pictogram tally chart tallies	bar chart block graph scale	label graph time graph	timetables two-way tables pie chart	pie chart mean mode

		block diagram data table category/categories key sorting totalling comparing horizontal vertical Venn diagram Carroll diagram block graph scale title frequent survey axis/axes	title interpret frequent survey discrete data continuous data label inferring	x-axis y-axis line graph inferring variable		median range average data set variable conversion graph convert
Ratio and proportion		times as many for every			per	times as many per for every relative size scale factor proportion ratio (a:b) comparison scaling part to part part to whole
Algebra				variable rule	equation	symbol letter sequence algebraic

						algebraically equation unknown variable constant generalise expression rule combinations
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