

Progression of Vocabulary Mathematics

Number: Number and Place Value							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count forwards backwards one more one less more than less than (fewer)	subitise order/ordinal compare numerals digit equal to	sort represent multiples partitioning one tens	count in steps count in multiples place value estimate compare	ascending descending 10 or 100 more 10 or 100 less hundreds	negative numbers roman numerals 1000 more 1000 less thousands round	ten thousands one hundred thousands powers of integer	millions ten millions
Addition and Subtraction							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add altogether part	plus total take away/minus number bonds whole digit	addition/add subtraction difference equals facts problems missing number problems 2-digit number inverse	sum 3-digit number commutative	column addition column subtraction exchange estimate	4-digit number operations methods		
Multiplication and division							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
half share group	double twice as many equal unequal odd even	multiplication division arrays	multiplication tables commutative repeated addition	exchange mathematical statements missing number problems integer scaling problems correspondence problems derived facts	factor pairs formal written layout distributive law remainders	multiples factors prime numbers square numbers cube numbers short division product divisor quotient operations	multi-digit numbers long division

Progression of Vocabulary Mathematics

Fractions/Decimals/Percentage							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
	whole half quarter equal parts	three quarters third equivalent fractions unit fractions non unit fractions numerator denominator one whole	tenths	decimal equivalence hundredths convert proper fractions improper fractions decimal point	fifth thousandths mixed numbers per cent % factors integer complement		
Ratio and proportion							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
						relative size missing values integer multiplication percentages scale factor unequal sharing & grouping	
Algebra							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
						formulae linear number sequences algebraically equation unknowns combinations variables	
Measurement (Measure and Length)							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
wide(er) long(er)(est) short(er)(est) length	measure narrow(er) compare	compare	standard units estimate order record results centimetre cm metre m	millimetre mm perimeter	kilometres km rectilinear figure area	decimal notation scaling metric units imperial units inches compound shape irregular shapes square centimetres square metres	conversion miles formulae parallelograms triangles feet

Progression of Vocabulary Mathematics

Measurement (Height, Weight and Capacity)

Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
long(er)/short(er) tall(er)/short(er) weight heavy/light heavier than lighter than full/empty more than less than half/half full	height capacity big/bigger/biggest	mass volume	kilogram kg gram g quarter full three quarter full litres l millilitres ml temperature Celsius			cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones ounces

Measurement (Time)

Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time quicker slower earlier later before after first next today yesterday tomorrow morning afternoon day week	evening hour minutes	chronological order days of the week month of the year month year o'clock half past second	intervals of time quarter past/to duration	analogue clock roman numerals 12-hour clock 24-hour clock a.m./p.m. noon midnight leap year digital	convert		

Measurement (Money)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	money coins notes pounds £ pence p	value change				

Progression of Vocabulary Mathematics

Geometry – Properties of Shape							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
shape rectangle square circle triangle straight flat	2-d shapes characteristics 3-d shape cuboids cubes cone spheres curved	sides corners properties pyramids faces	pentagon hexagon line of symmetry properties cylinder edges vertices vertex	right-angle triangle heptagon octagon polygon properties prism	isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilaterals	regular polygon irregular polygon	radius diameter circumference dimensions
Geometry – Properties of shape (2)							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
			orientations angles acute angle obtuse angle turn right angles half turn three quarters of a turn greater than right angle less than right angle horizontal lines vertical lines perpendicular lines parallel lines		reflex angles degrees one whole turn angles on straight line angles around a point vertically opposite missing angles		
Geometry – Position and direction							
Preschool 1 (beginning to experience and be exposed to vocabulary) Preschool 2 (embedding using and applying vocabulary)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
sink float over under between around through on	order repeat	position direction movement whole turn quarter turn half turn three-quarter turn	clockwise/anti-clockwise straight line rotation arrange sequences		co-ordinates first quadrant grid translation plot polygon axis	reflection	four quadrants co-ordinate plane

Progression of Vocabulary Mathematics

into next to behind beneath patterns on top of							
Statistics							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
		pictograms tally chart block diagram category sorting totalling comparing horizontal vertical	table bar chart one-step problem two-step problem	time graph discrete data continuous data line graph comparison problem sum problem difference problem calculate interpret	timetable two-way tables	pie chart mean	

Mathematics Vocabulary Progression document (EYFS-Y6)

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with long-term overviews and knowledge organisers. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their understanding. This document is fully editable so language can be moved into earlier or later year groups where necessary. Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.