



Mathematics Vocabulary Progression (EYFS-Y6)

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the maths curriculum at Asterdale. 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.

Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

Number - Number and place value

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
number	sort	hundred/s	ascending	negative numbers	powers of	ten million/s
numeral	represent	thousand/s	descending	positive numbers	million/s	8-digit number
digit	represented	is the same as	10 or 100 more	minus	7-digit number	
zero /none	representation	sequence	10 or 100 less	1000 more		
one, two...twenty	multiples	continue	relationship	1000 less		
count (on, back, up, down)	partitioning	predict	round up	ten thousand/s		
subitise	ones	rule	round down	hundred		
more/less	tens	place value	nearest 10	thousand/s		
order/ordinal	equivalent to	place holder	approximate/ly	consecutive		
few/er/est	equal to	halfway between	near numbers	integer		
most /least	pair	place value chart	fifties	nearest 100		
small/er/est	group	exact/exactly	fifty more/less	digit total		
large/er/est	match	just under/over	Roman numerals	5-digit number		
bigger/biggest	teen	count in steps	value	6-digit number		
compare	roughly	count in multiples	4-digit number			
order	about the same as	3-digit number				
size	the same as					
forwards	as many as					
backwards	greater than					
equal to	less than					
odd/even	unequal					
pattern	symbol					
1 st , 2 nd ...20 th	next					
estimate/guess	last					
nearly/close to	partition					
too many/too few	2-digit number					
enough						

Addition and subtraction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add	addition	commutative	column addition			
make	subtract	10s boundary	column subtraction			
plus	subtraction	regroup	exchange			
altogether	difference	efficient method	estimate			
total	equals	inverse	100s boundary			
take away	numbers facts	<i>column addition</i>	operations			
minus	problems	<i>column subtraction</i>	methods			
number bonds	missing number					
part	problems					
whole	sum					
	total					
	double					
	near double					
	half					
	how any more to make...					
	remain					
	how many left over?					
	how many have gone?					

Multiplication and division

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double half twice as many equal unequal share group	multiplication multiply/ing multiplied by divide dividing division columns/rows arrays	multiplication tables/facts times commutative repeated addition divided by divided into	operations methods product remainder/s multiplier	factor factor of factor pairs short division	multiples common multiples common factors prime numbers prime factor square numbers cubed numbers dividend divisor quotient divisibility composite number	long division factorise

Fractions/Decimals/Percentages

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	whole half quarter equal parts equal group parts of a whole fraction	three quarters third one third/two thirds equivalent fractions numerator denominator one whole mixed number two halves two quarters	fifths sixths sevenths eighths tenths unit fractions non-unit fractions simplest form convert decimals decimal point	decimal equivalent hundredths thousandths	per cent % proper fractions improper fractions	reduced to proportions cancel

Ratio and proportion						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						For every...there are... ratio colon notation (symbol) expression scale factor distribute

Algebra						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						formulae formula algebraically equation unknowns combinations variables algebraic expression rule consecutive

Measurement (length, weight, capacity, temperature, area, perimeter)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
size	centimetre	standard units	millimetre mm	rectilinear	imperial units	cubic metre
compare	metre	record results	distance apart	area	compound shape	cubic millimetre
estimate	length	centimetre cm	perimeter	kilometre km	cubic centimetre	cubic kilometre
short	width	metre m		metric units	pounds	cubic millilitres
small	depth	nearest cm		breadth	pints	stones
thick	wide	tape measure			inch	yard
thin	high	further			inches	foot/feet
longer/est	low	furthest			square centimetres	tonne
taller/est	higher/est	nearest			square metres	pounds
heavy/light	far	nearer			square millimetres	ounces
full/empty	near	kilogram kg				gallon
height	ruler	gram g				
weight	metre stick	quarter full				
heavy/light	capacity	three quarters full				
heavier than	mass	litres l				
lighter than	volume	millilitres ml				
half/half full		temperature				
		Celsius				
		measuring scale				

Measurement (time)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time before after first next then today yesterday tomorrow day week days of the week months of the year	chronological order month year o'clock half past second minute hour/half hour morning afternoon evening calendar earlier later quicker/est slower/est clock face hour hand minute hand	intervals of time quarter past/to fortnight digital analogue 5, 10, 15... minutes past/to Watch timer	12-hour clock 24-hour clock a.m./p.m. leap year century duration	Convert arrive depart timetable millennium noon midnight		

Measurement (Money)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
money coins notes price/cost buy/sell spend/spent pay	money coins notes pounds pence p costs more/less total how much? how many?	value pounds £ bought sold change				

**Geometry – Properties
of Shape**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2-D shapes	pyramid	pentagon	right-angle	isosceles	reflex angles	radius
3-D shapes	cone	octagon	heptagon	equilateral	degrees	diameter
rectangle	sphere	hexagon	prism	scalene	angles on straight line	circumference
square	cylinder	line of symmetry	triangular prism	polygon	angles around a point	dimensions
circle	cube	properties	angle	trapezium	missing angles	vertically opposite angles
triangle	cuboid	circular	acute angle	rhombus	irregular polygon	
curved	faces	rectangular	obtuse angle	parallelogram	regular polygon	
straight	edges	triangular	greater than right angle	kite		
flat	point	vertices	less than right angle	regular		
round	surface	vertex	horizontal lines	irregular		
corners		quadrilateral	vertical lines	spherical		
sides			perpendicular lines	cylindrical		
			parallel lines	tetrahedron		
			hemisphere	polyhedron		
			square-based pyramid			
			pentagonal			
			hexagonal			
			octagonal			

Geometry – Position and direction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over under outside inside in front behind next to up down	around on in above below opposite between centre left right position direction movement whole turn quarter turn half turn	clockwise/ anticlockwise rotate/rotation three-quarter turn straight line right angle route	compass points diagonal	co-ordinates first quadrant grid translation plot rotation compass north west, south east etc	reflection mirror line x axis y axis	four quadrants co-ordinate plane

Statistics

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		pictograms tally count sort vote group set graph block diagram represent label title most/least common/popular interpret	table chart bar chart frequency Carroll diagram Venn diagram axis/axes diagram scale	line graph survey questionnaire data comparison sum difference	timetable two-way tables	pie chart mean mode median range average