Wales Primary School Mathematics Vocabulary Progression

Number – Number and place value

FS2	Y1	Y2	Y3	Y4	Y5	Y6
count subitise order / ordinal compare forwards backwards digit one more one less equal to more than (greater) less than (fewer)	sort represent multiples partitioning ones 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 thousand powers of integer	million Ten millions

Addition and subtraction

FS2	Y1	Y2	Y3	Y4	Y5	Y6
add plus altogether total take away / minus numberbonds part whole digit	addition/add subtraction difference equals facts problems missing number problems 2 digit number Inverse	Sum 3 digit number commutative	exchange estimate	4-digit number operations methods	*column addition* *column subtraction* *(*moved from Y3 curriculum as per WPS Calculation Policy)*	

Multiplication and division

FS2	Y1	Y2	Y3	Y4	Y5	Y6
double half twice as many equal unequal share group odd even	Multiplication division arrays	multiplication tables commutative repeated addition sharing grouping	Exchange mathematical statements missing number problems integer scaling problems derived facts	factor pairs distributive law remainder	multiples factors prime numbers square numbers cube numbers short division product dividend divisor quotient operations	multi-digit numbers long division

Fractions, decimals and percentages

FS2	Y1	Y2	Y3	Y4	Y5	Y6
	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 fraction improper fraction decimal point	Fifth Thousandths Mixed numbers Percent % Factors Integer complements	

Ratio and proportion

FS2	Y1	Y2	Y3	Y4	Y5	Y6
						relative size missing values integer multiplication percentages scale factor unequal sharing & grouping

Algebra						
FS2	**Y1**	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**
						formulae linear number sequences algebraically equation unknowns combinations variables
Measurement (Measure and Length)						
measure wide (r) narrow (er) compare long (est) (er) short (est) (er) length	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
Measurement (Height, Weight and Capacity)						
height long (er) / short (er) tall (er) / short (er) weight capacity heavy / light heavier / lighter than big / bigger / biggest (half) full / empty more / less than	mass volume	kilogram kg gram g quarter full three quarters full litres l millilitres ml temperature Celsius			cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones ounces

Measurement (Time)

FS2	Y1	Y2	Y3	Y4	Y5	Y6
time quicker / slower earlier / later before / after first / next today / yesterday / tomorrow morning / afternoon / evening day / week hour / minute	chronological order days of the week months of the year month year o'clock half past second	intervals of time quarter past / to duration	analogue clock roman numeral 12 hour clock 24 hour clock am / pm noon midnight leap year digital	convert		

Measurement (Money)

	money coins notes pounds £ pence p	value change				

Geometry – Properties of Shape

2-d shapes rectangle / square / circle / triangle characteristics 3D shapes cuboids / cubes / cones / sphere curved straight flat	sides corners properties pyramids faces	pentagon hexagon lines 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)

FS2	Y1	Y2	Y3	Y4	Y5	Y6
			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

FS2	Y1	Y2	Y3	Y4	Y5	Y6
over / under between around through on / into next to behind beneath order repeat patterns on top of	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

Statistics						
FS2	**Y1**	**Y2**	**Y3**	**Y4**	**Y5**	**Y6**
		pictogram 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

This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes of learning, 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. Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.