St Francis Xavier Catholic Primary School
Mathematics Progression of Vocabulary

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. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups, retrieved regularly and quizzed often 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.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and place value	• count • subitise • order/ordinal • compare • forwards • backwards • numerals • digit • one more • one less • equal to • more than • 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 thousands • powers of • integer	• millions • ten millions
Addition and subtraction	• add (+) • plus (+) • altogether • total • take away/minus (-) • number bonds • part 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	• double • half • twice as many • equal • unequal • share	• multiplication (x) • division (÷) • arrays	• commutative • repeated addition • times tables	• exchange • mathematical statements • missing number problems	• factor pairs • formal written layout • distributive law • remainders	• multiples • factors • prime numbers • square numbers (^{2})	• multi-digit numbers • long division

	• group • odd • even			• integer scaling problems • correspondence problems • derived facts		• cube numbers (^{3}) • short division • product • dividend • divisor • quotient • operations	
Fractions/ decimals/ percentages		• 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 • percent (%) • factors • integer • complements	
Measurement (measure and length)	• measure • wide(er) • narrow(er) • compare • long(er)(est) • short(er)(est) • 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 shape • square centimetre (cm^2) • square metres (m^2)	• conversion • miles • formulae • parallelograms • triangles • feet (ft)
Measurement (height, weight and capacity)	• height • long(er)/short(er) • tall(er)/short(er) • weight	• mass • volume	• kilogram (kg) • gram (g) • quarter full			• cubic centimetre (cm^3) • pounds (lb)	• cubic metre (m^3)

	• capacity • heavy/light • heavier than • lighter than • big/bigger/biggest • full/empty • more than • less than • half/half full		• three quarters full • liters (l) • millilitres (ml) • temperature • Celsius (°C)			• pints (pt)	• cubic millimetre (mm^3) • cubic kilometre (km^3) • gallons (gal) • stones (st) • ounces (oz)
Measurement (time)	• time • quicker • slower • earlier • later • before • after • first • next • today • yesterday • tomorrow • morning • afternoon • evening • day • week • hour • minutes	• chronological order • 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./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	• sides • corners • properties • pyramids • faces	• pentagon • hexagon • line of symmetry • properties	• right-angle triangle • heptagon • octagon • polygon	• isosceles • equilateral • scalene • trapezium • rhombus	• regular polygon • irregular polygon • reflex angles	• radius • diameter • circumference • dimensions

	• characteristics • 3-d shapes • cuboids • cubes • cone • spheres • curved • straight • flat		• cylinder • edges • vertices • vertex	• properties • prism • orientations • angles • acute angle • obtuse angle • turn • right angles • half turn • ¾ of a turn • greater than right angle • less than right angle • horizontal lines • vertical lines • perpendicular lines • parallel lines	• parallelogram • kite • geometric shapes • quadrilaterals	• degrees • one whole turn • angles on straight line • angles around a point • vertically opposite • missing angles	
Position and direction	• 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			• pictograms • tally chart • block diagram • category	• table • bar chart • one-step problem	• time graph • discrete data • continuous data • line graph	• timetable • two-way tables	• pie chart • mean

			• sorting • totaling • comparing • horizontal • vertical	• two-step problem	• comparison problem • sum problem • difference problem • calculate • interpret		
Ratio and proportion							• relative size • missing values • integer • multiplication • percentages (%) • scale factor • unequal • sharing and grouping
Algebra							• formulae • linear number sequences • algebraically • equation • unknowns • combinations • variables