MATHS VOCABULARY PROGRESSION DOCUMENT

RECEPTION – YEAR 6

This document is designed to assist with the teaching of Maths vocabulary across the school and is aligned with our Teaching Calculations Policy and our Stem Sentences and Key Learning Policy.

It identifies in which year group vocabulary should be explicitly taught and introduced. However, language needs to be revisited in subsequent year groups to ensure children are consolidating their learning and are able to confidently use mathematical language to discuss their reasoning.

Although some vocabulary might be introduced earlier if it supports the teaching of a particular activity, this document ensures there is progression across the school.

NUMBER AND PLACE VALUE						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Count Subitise Order Compare Forwards / backwards Number One more / one less More than / less than First, second, …tenth Last Before / after Between Count in 1s, 2s, 10s Equal / unequal	Sort Represents Multiples Partitioning Ones Tens Equal to Eleventh…twentieth Half-way between Estimate Digit Zero Greater / greatest Smaller / smallest Fewer / more < Less than > Greater than Place value Numbers one - twenty in words	Count in steps Count in multiples Estimate Compare Exact / exactly 1, 2 or 3-digit number Place holder Column Numberline Position Start / end value Intervals	Ascending Descending 10 more / less 100 more / less Hundreds Flexible partitioning Midpoint Value Numeral	Four-digit number Negative numbers Roman numerals to 100 1000 more / less Thousands Ten thousand Round to the nearest 10 Round to the nearest 100 Round to the nearest 1000 Decimal numbers Tenths Hundredths Next / previous multiple	Integer Ten thousands Roman Numerals to 1000 One hundred thousands Numbers to 1 000 000 10000/100000 more / less Round within 100 000 Powers of 10 Integer ≤ less than or equal to ≥ greater than or equal to Approximately equal to	Millions Half a million Ten millions Factorise Prime Prime factor

ADDITION AND SUBTRACTION						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Add Plus Altogether Total Take away Subtract Minus Number bonds Part Whole Is the same as	Addition Put together Add Count on Subtraction Take away Find the difference Equal / unequal Problems Calculation Partition Part-whole model Missing number problems 2-digit number Double Near double Half Addend Sum	Sum Commutative 3-digit number Regroup Crossing / Bridging Difference Sum Partitioning / Flexible partitioning	Column addition Column subtraction Estimate Inverse operations Sum / difference Subtrahend / minuend One-step problem Two-step problem Inverse Addend Regroup Commutative	Operations Methods 4-digit number Multi-step problem		

MULTIPLICATION AND DIVISION						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Twice as many Equal Unequal Share Group Odd Even	Multiplication Division Arrays Double Half Skip counting Equal groups of Sharing	Commutative Repeated addition / subtraction Multiple of Divided by Divided into Factor Product	Integer scaling problems Correspondence problems Derived facts Product Inverse Quotient Dividend Divisor	Factor pairs Factors Distributive law Remainders Dividend Divisor Quotient Short division Divisible by Square number Inverse	Prime numbers Square numbers Cube numbers Common factors Common multiples Composite numbers Decimal fractions	Multi-digit numbers Long division Men average Indices

FRACTIONS / DECIMALS / PERCENTAGES						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
	Whole Half Quarter Equal parts Fraction	Three-quarters Third Equivalent fractions Unit fractions Non-unit fractions Numerator Denominator One whole	Tenths Unit-fractions Non-unit fractions	Decimal equivalence Hundredths Convert Proper fractions Improper fractions Mixed number Decimal point Decimal place Equivalent fraction	Thousandths Per cent % Factors Integer Complements Lowest common multiple Related fractions Common denominator	Lowest common multiple Highest common factor

RATIO & PROPORTION	ALGEBRA
YEAR 6	YEAR 6
Ratio Proportion In every / for every Relative size Missing values Integer multiplication Percentages Scale factor Unequal sharing and grouping	Formulae Linear number sequences Algebraically Equation Unknowns Combinations Variables

MEASUREMENT – MEASURE AND LENGTH						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Measure Wide / wider Narrow / narrower Compare Long / longer / longest Short / shorter / shortest length	Standard unit of measure Non-standard unit of measure Centimetres	Standard units Estimate Order Record results Centimetre cm Metre m	Millimetre mm Perimeter	Rectilinear shape Area Kilometres km Convert Area	Decimal notation Scaling Metric units Imperial units Compound shape Irregular shapes Square centimetres cm^2 Square metres m^2	Conversion Formulae Perpendicular height Miles Foot

MEASUREMENT – HEIGHT, WEIGHT AND CAPACITY						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Weight Capacity Heavy / light Heavier than Lighter than Big / bigger / biggest Full / empty More than Less than Half / half full	Mass Volume	Kilogram kg Gram g Quarter full Three quarters full Litre l Millilitres ml Temperature Degrees Celsius		Convert Kilo Kilometre km	Cubic centimetre Metric Imperial	Cubic metre Cubic millilitre Cubic kilometre Pounds Ounces Stone Gallon Pint Milligramss

MEASUREMENT – TIME						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Time Quick/quicker/quickest Slow/slower/slowest Earlier Later Before After First Next Last Today/yesterday/ tomorrow Morning/afternoon Evening Day Week Hours Minutes	Days of the week Months of the year Month Year O'clock Half past Second Chronological order	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		

GEOMETRY – PROPERTIES OF SHAPE / POSITION AND DIRECTION						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
2D shapes Rectangle Square Circle Triangle Characteristics 3D shapes Cube Cuboid Cone Sphere Curved Straight flat	Sides Corners Properties Pyramid Face 2D 3D	Pentagon Hexagon Line of symmetry Properties Cylinder Edges Vertex Vertices Turn Quarter Half Three-quarter	Right-angle triangle Heptagon Octagon Polygon Prism Quadrilaterals Orientations Angles Acute angle Obtuse angle Turn Right angle Half turn Three-quarters of a turn Horizontal lines Vertical lines Diagonal lines Perpendicular lines Parallel lines Clockwise / anti clockwise	Isosceles triangle Equilateral triangle Scalene triangle Trapezium Parallelogram Rhombus Kite Geometric shapes Quadrilaterals Regular Irregular Co-ordinates y-axis x-axis Translate	Regular polygon Irregular polygon Reflex angles Degrees Angles on a straight line Angles around a point Vertically opposite Protractor Mirro line Translation Reflex Reflection	Radius Diameter Circumference Dimensions

STATISTICS						
RECEPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
		Pictogram Tally chart Category Sorting Totalling Comparing Horizontal Vertical	Table Bar chart One-step problem Two-step problem Data	Discrete data Continuous data Line graph Interpret	Two-way tables	Pie chart Mean