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Maths Vocabulary Progression Document Reception to Year 6

This document is intended to support the teaching of vocabulary across EYFS, KS1, and KS2, in alignment with the White Rose schemes of learning. It outlines when specific vocabulary should be explicitly introduced for each year group, with the understanding that this language should be revisited in later years, regularly reinforced, and frequently assessed to ensure a solid understanding. While some terms, like shapes, may be introduced earlier as needed or during specific activities, this document ensures that vocabulary development is structured progressively throughout the stages. For the sequence of lessons you are covering in each WR or MNP unit, select the appropriate vocabulary from the relevant area in this progression document.

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	How many Count Altogether Equal Same More than Fewer than Different Subitise One more/less Number after Ten/five frame Zero Match Represent	Place value Count Next One/two more One/two less Number line Hundred square Order Smallest Largest Equal Compare Represent	Numerals Compare Greater than >
Less than <
Equal (to) =
Smallest/least Largest/greatest Order Place value Partition Column Most/greatest Least Digit Tens Ones Count from Count in steps Forwards Backwards Pattern Array One more Two more Ten more	Place value Partition 4-digit Exact Position Order Most Least More than Greater than Less than Estimate Hundreds Tens Ones	Roman numerals Numeral Place value Partition Ten thousands Thousands Hundreds Tens Ones Estimate Round Compare Order Integer	Place value Partition Million Hundred thousands Ten thousands Thousands Hundreds Tens Ones Tenths Hundredths Compare Order Position Estimate Positive Negative Round Rounding Nearest Decimals Decimal place Integer Roman numerals Ascending Descending	Place value Partition Ten million Million Hundred thousands Ten thousands Thousands Hundreds Tens Ones Tenths Hundredths Thousandths Positive Negative Integer Decimal Decimal point Decimal places Round Estimate Greater than/less than Convert Equivalence Ascending Descending

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Addition and Subtraction	**Reception** Altogether Add Subtract Take away Ten/five frame One more/less Count on Count back How many Total Part Whole First Then Now Number bonds	**Year 1** More Less One more One less Addition Add Plus Subtract Subtraction Take away Total Difference Number sentence Is the same as Part-whole Ten-frame Number bonds + -	**Year 2** Place value Tens Ones Place value Missing number Addition Add More Sum Total Altogether Plus Equals Exchange Column Take away Subtract Subtraction Difference Less Fewer Minus Number sentence Order Part-whole Bar model	**Year 3** Addition add Sum Total Altogether Plus Equals Exchange Column addition Column subtraction How many more Takeaway Less Fewer Difference Equals Minus Number sentence Order Calculate Subtraction Estimate Inverse Operation Check Part-whole Bar model	**Year 4** Addition Add More Sum Total Altogether Plus Equals Bar model Column addition Column subtraction Takeaway Less Fewer Difference Equals Subtraction Minus Number sentence Order Calculate Estimate Inverse Operation Check Bar model Exchange	**Year 5** Addition Add More Sum Total Altogether Plus Equals Exchange Column addition Column subtraction Subtraction Takeaway Difference Minus Order Inverse Operation Estimate Bar model Calculate	**Year 6** Addition Add More Sum Total Altogether Plus Equals Exchange Calculate mentally Formal method Column method Integer Decimal Column subtraction Subtraction Takeaway Difference Minus Order Approximate
Multiplication and division	**Reception** Groups Share Equal groups Lots of Double Half Even Odd Unfair Unequal	**Year 1** Multiplication Multiply Times Lots of Groups of Double Half Pairs Array Sharing Equal groups	**Year 2** Double Doubling Halving Times table Multiplication Multiply (x) Times Division Divide (÷) Array Groups	**Year 3** Multiplication Multiply (x) Array Multiple Division Divide (÷) Share Equal groups Repeated addition Scaling Lots of	**Year 4** Fact family Factor Factor pair Commutative Multiple Multiplication Division Multiply (x) Divide (÷) Divisor Remainder	**Year 5** Multiply Divide Product Quotient Divisor Remainer Dividend Square number (^{2}) Prime number Cube number (^{3}) Common multiple	**Year 6** Multiply Divide Product Quotient Divisor Remainer Dividend Square number (^{2}) Prime number Cube number (^{3}) Common multiple

		Even Odd	Odd Even Lots of Times bigger Share Equal groups Repeated addition Row column	Groups of ___ times larger ___ times smaller Product Divided by Row Column Fact family Commutative Operation Partition	Shared between Grouping Sharing Exchange Partition Digits Commutative Distributive Solve Array	Multiples Common factor Factor Factor pair Efficient division Short division Inverse Commutative Exchange	Multiples Common factor Factor Factor pair Efficient division Short division Inverse Commutative Estimate Approximate Exchange
Fractions/ decimals/ percentages	**Reception**	**Year 1** Half Halve Equal Part/s Whole All Share Group Dividing Quarter	**Year 2** Fraction Half Quarter One quarter ¼ Two-quarters $^{2}/_{4}$ Three- quarters ¾ One third ⅓ Parts Whole Numerator Denominator	**Year 3** Fraction Part Whole Numerator Denominator Unit fraction Non-unit fraction Half Third Quarter Fifth Sixth Seventh Eighth Ninth Tenth Equivalent	**Year 4** Numerator Denominator Part Whole Equivalent Decimal Tenth Hundredth Place value Decimal place Decimal point Greater than Less than Equivalent fractions Fraction of Unit fraction Non-unit fraction	**Year 5** Numerator Denominator Part whole Proper fraction Improper fraction Mixed number Convert Equivalent Simplify Compare Order, Common denominator, Place value Decimal Decimal places Tenth Hundredth Thousandth Percentage (%) Parts per 100	**Year 6** Numerator Denominator Part whole Proper fraction Improper fraction Mixed number Convert Equivalent Simplify Compare Order, Common denominator, Place value Decimal Decimal places Tenth Hundredth Thousandth Percentage (%) Parts per 100 Common factor Common multiple

Ratio	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6 Scaling Proportion Scale up Scale down Scale factor Similar Ratio Part Whole Multiplier Divisor Enlargement Better value
Measurement (length and height) **(and perimeter, year 3 onwards and area year 4 onwards)**	**Reception** Length Tall Height Short/shortest/shorter Long/longest/longer More than Less than	**Year 1** Length Height Long/short More than Less than Units Height Metre Width Tall Short Kilometre Measure	**Year 2** Unit Sensible unit Measuring Equipment Measure Estimate Compare Less than Greater than Length Height Width Distance Metres (m) Centimetre (cm) Millimetre (mm) Prefixes (milli, centi, kilo)	**Year 3** Unit Measuring Equipment Measure Estimate Compare Less than Greater than Prefixes (milli, centi, kilo) Record Trundle wheel Metres (m) Centimetre (cm) Millimetre (mm) Equivalent lengths Perimeter Convert Intervals	**Year 4** Unit Measure Estimate Compare Less than Greater than Prefixes (milli, centi, kilo) Record Trundle wheel Kilometres (km) Metres (m) Centimetre (cm) Millimetre (mm) Equivalent lengths Perimeter Rectilinear shapes Convert Intervals	**Year 5** Unit Measure Estimate Compare Prefixes (milli, centi, kilo) Trundle wheel Equivalent lengths Perimeter Area Squared units (^{2}) Rectilinear shapes Convert Intervals Metric: Kilometres (km) Metres (m) Centimetre (cm) Millimetre (mm) Imperial: Inch	**Year 6** Unit Measure Estimate Compare Prefixes (milli, centi, kilo) Equivalent lengths Perimeter Area Squared units (^{2}) Cubic units (^{3}) Rectilinear shapes 3D shapes Convert Intervals Metric: Kilometres (km) Metres (m) Centimetre (cm) Millimetre (mm) Imperial: Miles Inch Foot/feet

Measurement (mass, capacity and temperature)	**Reception** Lighter than Heavier than Heaviest Lightest Scales Balanced Full Empty	**Year 1** Heavier/lighter Weight Mass Scales More than Less than Capacity half full/quarter full Full/empty Volume Litre Units	**Year 2** Unit Sensible unit Measuring Equipment Measure Estimate Compare Less than Greater than Mass/weight Capacity Litres (l) Millilitres (ml) Kilograms (kg) Grams (g) Temperature Celsius Thermometer Scales Prefixes (milli, centi, kilo)	**Year 3** Unit Measuring Equipment Measure Estimate Compare Less than Greater than Prefixes (milli, centi, kilo) Record Mass Capacity Volume Litres (l) Millilitres (ml) Kilograms (kg) Grams (g) Temperature Celsius Thermometer Scales Intervals	**Year 4** Unit Measure Estimate Compare Less than Greater than Prefixes (milli, centi, kilo) Record Mass Capacity Volume Litres (l) Millilitres (ml) Kilograms (kg) Grams (g) Temperature Celsius Thermometer Scales Intervals	**Year 5** Unit Measure Estimate Compare Prefixes (milli, centi, kilo) Mass Capacity Volume Metric: Litres (l) Millilitres (ml) Kilograms (kg) Grams (g) Imperial: Pound Pint Gallon Intervals	**Year 6** Measure Estimate Compare Prefixes (milli, centi, kilo) Metric: Litres (l) Millilitres (ml) Tonne Kilograms (kg) Grams (g) Imperial: Pound Ounce Stone Pint Gallon Intervals
Measurement (time)	**Reception** Calendar Today Yesterday Tomorrow Time First Next Finally After Before Evening Morning Week Weekend	**Year 1** Before After Next Later Today Yesterday Tomorrow Morning Afternoon Evening Days of the week (include names of days) Week Weekend Year	**Year 2** Minute hand Hour hand Hour Minute Second O'clock Half past Quarter past Quarter to Analogue clock How many minutes until? Morning Afternoon	**Year 3** Roman Numerals Clock Second Minute Hour Week Month Year Leap year Weekend Calendar Evening Midnight Noon 12-hour clock 24-hour clock	**Year 4** 24 hour clock 12 hour clock Analogue Digital am/pm Convert Duration Difference Second Minute Hour Day Week Month Year Leap year	**Year 5** 24 hour clock 12 hour clock Analogue Digital am/pm Convert Equivalent Arrive Depart Duration Difference	**Year 6** 24 hour clock 12 hour clock Analogue Digital am/pm Convert Equivalent Arrive Depart Duration Difference

		Calendar Months (include names of months) Hour Minute Second Half past O'clock Stopwatch Timer		Analogue clock Digital clock am pm Estimate Timetable Convert Duration How long? Shortest time Longest time			
Measurement (money)	**Reception**	**Year 1** Money Pound (£) Penny Pence (p) Amount Coin Note	**Year 2** Money Coin Note Pound (£) Pence (p) Total Amount Price Cost Compare Altogether Pay Shop Bill Change	**Year 3** Amount Total Price Balance Buy Cost Change Difference Pound (£) Pence, (p) Convert	**Year 4** Change Total per Better value Convert Compare Estimate	**Year 5**	**Year 6**
Geometry - properties of shape	**Reception** 2D shapes 3D shapes Stack Roll Flat Curved Sort (add appropriate shape names) .	**Year 1** 2D 3D Flat Solid Corners Sides Vertex Vertices Edges Faces Round Curved Straight	**Year 2** 2D Sides Vertices (vertex) (line of) symmetry 3D Prism Hemisphere Faces Edges Sort Classify Regular/irregular Flat	**Year 3** Angle Turn Movement Full turn Complete Whole Half turn Quarter turn Three quarter turn Direction Left/right Clockwise Anticlockwise	**Year 4** Line of symmetry Symmetrical Vertical Horizontal Reflect Mirror line Mirror image Angle Right angle Acute Obtuse Greater than Less than	**Year 5** Angle Acute Right (Angle) Obtuse Reflex Degrees Compare Order Estimate Opposite Parallel Polygon Regular	**Year 6** Base Width Depth Height Perpendicular Rectilinear Circle Radius Diameter Circumference Centre Classify Symmetry

		Sort (add appropriate shape names)	Curved Straight Round Surface (add appropriate shape names)	Right angle Position Horizontal (line) Vertical (line) Parallel lines Perpendicular lines (at right angles) Sides Faces Vertices/vertex Edges Straight Flat Curved Dimension 2D 3D Polygons (add appropriate shape names)	Compare 2D 3D Side Vertex/vertices Property/ies Parallel Perpendicular Equal Diagonal properties Venn Diagram Carroll Diagram (add appropriate shape names)	Irregular Properties Classify Venn Diagram Carroll Diagram Angle Protractor 2-D 3-D Vertical Horizontal Parallel Prism Cross-section (add appropriate shape names)	Parallel Equal Diagonal Vertically opposite Visualise Net/s 2-D, 3-D Protractor (add appropriate shape names)
Position and Movement	**Reception** Turn Next to In front Behind Forwards Backwards On top of Under	**Year 1** Where Above Below Next to Behind In front To the left of To the right of Left Right Forward Backwards Turn Half turn Quarter turn three-quarter turn	**Year 2** Position Above Below Next To Beside Under Inside Outside In front of On top of To the left of To the right of Behind Between Left Right Forward backwards Turn Half Quarter Three quarter	**Year 3** *(not in Y3 curriculum - repeat of Y2)* Position Above Below Next To Beside Under Inside Outside In front of On top of To the left of To the right of Behind Between Left Right Forward backwards Turn	**Year 4** Plot Coordinate Point (X, Y) Axes X-Axis Y-Axis Origin First quadrant Horizontal Vertical Translate Translation Across Left/Right Up/Down	**Year 5** Transformation Object Original Image Coordinate Point Vertex Axes X-Axis Y-Axis Origin Reflect Reflection Mirror Line Line Of Reflection Translation Congruent Horizontal Vertical	**Year 6** Coordinate (x, y) x Coordinate; y Coordinate Quadrant Negative Axis x-Axis y-Axis origin 1st quadrant 2nd quadrant, 3rd Quadrant, 4th Quadrant Origin Horizontal Vertical Plot Reflect Reflection Line of reflection

			Clockwise Whole Anticlockwise	Half Quarter Three quarter Clockwise Whole Anticlockwise			Mirror line Translate Translation Units (across) Direction Congruent
Statistics	**Reception**	**Year 1**	**Year 2** Data List Categories Tally (Chart) Total Frequency Table Pictogram Key Symbol Block diagram Difference Axes	**Year 3** Interval Bar chart Difference Data Pictogram Key Symbol Represents Tally Frequency Frequency table Total Scale Axis Two way tables	**Year 4** Data Discrete Continuous Bar chart Class intervals Frequency diagram Line graph Time graphs Trend Most Least Compare Construct Interpret	**Year 5** Table Two way tables Time tables Discrete Continuous Bar chart Class intervals Frequency diagram Line graph Time graphs Trend More.../Fewer... Line Graph Compare Construct Interpret	**Year 6** Pie Chart Proportion Distribution Scaled up Scaled down Compare Line Graph Dual bar charts Axes Scale Prediction Trend Average Mean Set (of data)