Gaskell Community Primary School
Maths Vocabulary Progression

YEAR GROUP	Term/Topic						
	Autumn 1		Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Take part in finger rhymes with numbers. Compare amounts, saying 'lots', 'more' or 'same'. Compare sizes, weights etc. using gesture and language - 'bigger/little/smaller', 'high/low', 'tall', 'heavy'. Notice patterns and arrange things in patterns.		Show 'finger numbers' up to 5. Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs', etc. Talk about and explore 2D example, circles, rectangles, triangles) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.	Extend and create ABAB patterns – stick, leaf, stick, leaf. Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5.	Compare quantities using language: 'more than', 'fewer than'. Make comparisons between objects relating to size, length, weight and capacity. Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'	Notice and correct an error in a repeating pattern. Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. Solve real world mathematical problems with numbers up to 5.	Combine shapes to make new ones – an arch, a bigger triangle, etc Describe a familiar route. Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc.

Reception	Match and sort Comparing amounts Compare length, weight and capacity. Mass size and capacity Continue, copy and create repeating patterns. Pattern Addition and Subtraction	**Number and Place Value** One more One less Place Order Number Count Numbers up to twenty Number line Pictorial Answer Equals Read Write	Representing ,Comparing ,Composition , Subitise (recognise quantities without counting) up to 5 Subitise 1,2,3 Representing numbers to 5 – number 4 Subitise Representing numbers to 5 – number 5 & One Subitise more and one less Positional language 2D shapes Select, rotate and manipulate shapes to develop spatial reasoning skills. Time Consolidation 1-5	Introducing zero Representing , comparing, composition 4 Representing , comparing, composition 5 Number bonds to 5 Representing , comparing, composition 6 Representing , comparing, composition 7,8 Making pairs Comparing mass & capacity Compare length, weight and capacity.	**Addition and Subtraction** Add Subtract Addition Subtraction Adding Subtracting Number Number line Single digit Count on Count back Answer Doubling Halving Sharing Numbers to twenty Check **Multiplication and Division** Sharing doubling halving number pattern	Explore the composition of numbers to 10 Combing two groups 2 D shape 9&10 and Time Number bonds to 10 Comparing numbers to 10 3D shape. Continue, copy and create repeating patterns. Pattern Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	**Geometry (Properties of Shape)** Shape Square Rectangle Circle Triangle Sides Straight side Curved side	Have a deep understanding of number to 10, including the composition of each number. Building numbers beyond 10 counting patterns beyond 10 Count beyond ten. Spatial reasoning, match, rotate, manipulate Spatial reasoning, compose and decompose Adding more / number stories Taking away / number stories Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	Automatically recall number bonds for numbers 0-5 and some to 10. Verbally count beyond 20, recognising the pattern of the counting system. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally. Doubling Sharing & Grouping Even and Odd Deepening	**Geometry (Position and direction)** Position Distance Direction Move Movement Patterns **Measure** Measure Measurement Size Weight Capacity Compare Solve Problems Object Time

									Understanding Patterns and Relationships Spatial Reasoning Visualise and Build & Mappin	
1 Same as EYFS, plus:	**Place Value** Forwards Backwards Numerals Words Multiples Equal to More than Less than Fewer Most Least Identify Represent Digit Calculate Odd Even Pattern Numbers up to one hundred	**Addition and Subtraction** One step problem Concrete object Pictorial representation Missing number Problem Read Write Interpret Equals = Signs One-digit Two-digit Mental Mentally	**Multiplication and Division** Multiples Twos Fives Tens Number Multiply Divide Multiplication Division One step problem Answer Concrete object Pictorial representation Arrays Count Equals Write	**Geometry (Properties of Shape)** 2-D Shapes 3-D Shapes Two Dimensional Three Dimensional Cuboid Cube Pyramid Cone Cylinder Sphere		**Measure** Length Height Long Short Longer Shorter Tall Double Half Mass Heavy Light Heavier than Lighter than Volume Full Empty More than Less than Half Half full Quarter Quicker Slower Earlier Later Sequence events Chronological order Before After Next First Today Yesterday Tomorrow Morning Afternoon Evening Record Hours	**Fractions, Decimals and Percentages** Fraction Half Equal parts One whole Object Shape Quantity Quarter	**Geometry (Position and direction)** Half turn Quarter turn Three-quarter turn Left Right Up **Algebra** Solve One - step problem Missing number Check Calculate problem Sequence Chronological	

					Minutes Hour Half past O clock Hands Clock face Seconds Coins Notes Dates Days Weeks Months			
2 Same as EYFS & Year 1, plus:	**Place Value** Ones Tens Two- digit Estimate Place Value Solve Problems Greater than > Less than < Nearest ten Number facts Partition Count in steps Zero Compare Determine	**Addition and Subtraction** addition Subtraction Order Inverse Relationship Calculation Solve problems Missing number problems Quantities Measures Formal Written method Mental method Operation Apply Whole number	**Multiplication and Division** Multiplication facts Division facts Multiplication tables Odd numbers Even numbers Share Equally Repeated division	**Geometry (Properties of Shape)** Properties Compare Common Line symmetry Vertical line Edges Faces Vertices Pentagon Hexagon Heptagon Octagon Nonagon Decagon Kite Rhombus Polygon Square-based pyramid Triangular pyramid Triangular prism Rectangular prism Pentagonal prism Hexagonal prism Octagonal prism Octahedron Dodecahedron Tetrahedron Rectangular pyramid Pentagonal pyramid Hexagonal pyramid Octagonal pyramid	**Measure** Greater than > Less than < Equals = Intervals Standard units Estimate Direction Temperature Unit Scales Rulers Thermometers Measuring vessels Metres Centimetres Kilograms Grams Degrees Celsius Litres Millilitres Symbols Money Pounds (£) Pence (p) Different combinations Change Five past Ten past Quarter past Twenty past Twenty-five past Half past Twenty-five to Twenty to	**Fractions, Decimals and Percentages** Simple fractions Equivalent equivalence Count	**Geometry (Position and direction)** Rotation Right angle Clockwise Anti-clockwise Order Arrange Sequence	**Statistics** Interpret Construct Pictogram Tally chart diagrams Horizontal Vertical x- axis y-axis key title chart title Simple tables Ask Answer Questions Counting Objects Category Sort Quantity Total Compare Data

					Quarter to Ten to Five to				
3 Same as EYFS & KS1, plus:	**Place Value** Hundreds Three-digit ten more one hundred more ten less one hundred less Roman numeral Numbers up to one thousand		**Addition and Subtraction** Three-digit number Hundreds Estimate Number facts	**Multiplication and Division** Missing number problem Estimate Inverse Formal written method Recall Integer Two- digit One digit 12-hour 24-hour Leap year	**Measure** Duration Time taken Nearest minute Record Seconds a.m. p.m. noon midnight kilometre millimetres perimeter simple 2-D shapes analogue clock	**Fractions, Decimals and Percentages** Tenths Unit fractions Non - unit fractions Numerator Denominator Compare Order Add Subtract Solve problems	**Geometry (Position and direction)**	**Geometry (Properties of Shape)** Angle Turn Right angles Quarter of a turn Half-turn Three quarters of a turn Complete turn Horizontal lines Vertical lines Perpendicular lines Parallel lines	**Statistics** Present Presented Graph Statistics Bar charts Tables Solve One - step questions Two - step questions Informatio n
4 Same as previous year groups, plus:	**Place Value** Thousands Four- digit Negative number One thousand more One thousand less Decimal Decimal place Rounding Nearest ten Nearest hundred Nearest thousand One place Whole number Integer Tenths Hundredths		**Addition and Subtraction** Two step problems Context Four- digit	**Multiplication and Division** Derived facts Factors Factor pairs Scaling problems Three-digit	**Measure** Estimate Rectilinear figure Area Rectilinear shapes Convert	**Fractions, Decimals and Percentages** Hundredths Decimal place One decimal place Two decimal places Round decimals Whole number Common equivalent fractions Decimal equivalents Dividing Ones Tenths Hundredths	**Geometry (Position and direction)** Co-ordinates Quadrant Grid Translate Translation Axis X- axis **Algebra** Perimeter Algebra	**Geometry (Properties of Shape)** Lines of symmetry Symmetric figure Classify Geometric shapes Quadrilaterals Acute angle Obtuse angle	**Statistics** Time graphs Compariso n Problems

					Simple measure Money problems			
5 Same as previous year groups, plus:	**Place Value** Ten thousands Hundred thousand Millions Context Steps of powers Decimal equivalents Two decimal places Thousandths Numbers up to one million	**Addition and Subtraction** Increasingly large numbers More than 4 digits Rounding Determine Context Multi-step problems	**Multiplication and Division** Decimals Four-digit Long multiplication Short division Remainders Context Common factors Common multiples Prime numbers Prime factors Composite numbers Square number Cube number Notation Squares Cubes	**Measure** Square centimetres (cm2) Square metres (m2) Irregular shapes Volume (cm3) Cubes Cuboids Square numbers Cube numbers Metric measure Metric units Imperial units Inches Pounds Pints	**Fractions, Decimals and Percentages** Thousandths Multiples Three decimal places Per cent Number of parts per hundred Percentages Decimal fraction Mixed numbers Improper fraction Proper fraction Convert Mathematical statements Multiply Percentage and decimal equivalents **Algebra** Properties Rectangles Deduce Related facts Missing lengths Missing angles	**Geometry (Position and direction)** Reflection	**Geometry (Properties of Shape)** Angles Measure Degrees Missing lengths Missing angles Regular polygons Irregular polygons Degrees Estimate compare Reflex angle Point Straight line Multiples	**Statistics** Timetables Line graph

6 Same as previous year groups, plus:	**Place Value** Intervals across zero Three decimal places Hundredths Thousandths Ten thousandths Numbers up to ten million	**Addition and Subtraction** Estimation Mixed operations	**Multiplication and Division** Scale factor Long division Whole number remainders Fractions Rounding Mixed operations	**Ratio and Proportion** Ratio Proportion Size Quantity Missing value Integer Multiplication Division Multiply Divide Solve Problem Calculate Percentage Comparison Unequal sharing Grouping Fractions Multiples	**Measure** Decimal notation Cubic centimetres (cm3) Cubic metres (m3) Cubic millimetre (mm3) Cubic kilometre (Km3) Decimal places Miles	**Fractions, Decimals and Percentages** Common factors Common multiples Decimal fraction equivalents Simplest form **Algebra** Missing number Problem Pairs Number sentence Variables Combination Possibility Formulae Generate Linear number sequence	**Geometry (Position and direction)** Four quadrants	**Geometry (Properties of Shape)** Four quadrant	**Statistics** Pie chart Calculate Mean Average