

Mathematics

Vocabulary Progression Map



Below are the vocabulary lists for Mathematics. These give an indication of the words that we want children to become familiar with during each key stage. They are not intended as a test list but show the kind of language staff will use and explain in lessons to broaden pupils' Mathematical vocabulary and understanding.

Subject Mathematics	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Percentages, Ratio and Proportion	Algebra	Measurement	Geometry and Position	Statistics
EYFS	Number Numeral Subitise Count Order Number track Same Different Finger Numbers Number bond to 5/10 Zero	Add Altogether Total Bigger More Less Smaller Fewer Take Away	Double Half Odd Even Pair	Double Half	Repeating Pattern	Long (longer, longest) Tall (taller, tallest) Short (shorter, shortest) Heavy (heavier, heaviest) Light (lighter, lightest) Full Empty Half full / Half empty Nearly full / nearly empty Jug, bucket, pot Before, after, next, then First, last Morning, afternoon, night	Shape Flat Straight Round Side(s) Pointy Corner(s) Circle, Rectangle, Triangle, Square Turn, move Cube, cone, sphere Build Over, under, next to, around, behind, in front, on top	
KS1	Forwards Backwards One hundred Tens Ones Number line Most Least Equal to Quantity Number names One-digit number Two-digit number More than, less than < > Partition	Addition Subtract, Subtraction Symbols/signs Solve Calculate Number bonds to 10/20 Subtraction facts Number sentence One step problem Two step problem Word problem Combine Increase Minus Left Inverse	Multiplication Division Facts Arrays Jotting Counting in... Multiples (2,5,3,10) Repeated addition Multiplicative reasoning Mental maths Times table	Fraction Half (1/2) Quarter (1/4) (2/4, 3/4 three quarters) Piece Whole Equal Equivalent	Missing number problem	Quarter full Liquid Scales Container Capacity Time words: quicker, slower, earlier, later, duration O'clock, half past, quarter past / to, minutes, five minutes to/past, seconds, hours, hands, clock face Money: value, coins, notes, pence (p), pounds (£). Chronological order, sequence	2D Shapes (by name) Quadrilaterals 3D shapes (by name) Pyramid, prism, cylinder etc. Nets Properties Symmetry Edges, faces, vertices, vertex, surface Position Direction Whole Turn, half turn, quarter turn, three quarter turn.	Collect Information Pictogram Tally chart Block diagram Category Tables Bar charts

At Hopton CEVC Primary School we live out the words of Jesus in Matthew 19 vs 26 'With God all things are possible'. We raise aspirations and encourage perseverance to reach goals in life and learning



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		Commutative relationship/rule Written method Exchange				Days of the week Months Estimate (metres, centimetres m/cm) Kilograms, grams (kg,g) Temperature, degrees, Celsius, thermometers Litres, millilitres (l,ml)	Clockwise Anti-clockwise Rotate / rotation	
LKS2	Three digit number Four digit number Thousands 100 more / 100 less Column addition / subtraction Negative numbers Round / rounding	Calculation Operations	Recall Mathematical statements Count in multiples of (4,8,50,100) (6,7,9,,25,1000) Factor pairs Distributive law Integer scaling Written methods: short division, short multiplication	Tenths Hundredths Unit fractions Numerator Denominators Non-unit fractions Equivalent fractions Deduce Integers Decimal / decimal place Whole numbers	Algebra (linked to perimeter) a b Brackets	Perimeter Rectilinear figure/ rectilinear shapes Unit Money: Change (giving), money as a decimal (£ _ . __) Roman Numerals Time: leap year, duration Mixed units Digits 24 hour clock	Angles, right angle(s), acute, obtuse, degrees (o) Protractor Lines: horizontal, vertical, pairs of perpendicular, parallel. Symmetrical, non- symmetrical Polygons: regular, irregular Polyhedra, polyhedrons Geometric shapes Triangles: isosceles, equilateral, scalene Quadrilaterals: parrallelogram, rhombus, trapezium Orientations Co-ordinates Plot, points, axis Quadrant(s) Translation	Collate Data Interpret Scaled bar charts Compare

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HEAD ♥ HEART ♥ HANDS

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UKS2	Mental arithmetic Multi digit numbers Powers of 10 Powers of 1000 Positive and negative whole numbers Linear	Multi step problem	Common factors Prime numbers, prime factors, composite (non-prime numbers) Known facts Dividend, divisor Quotient Square numbers, squares Cube numbers, cubes Equivalence Equivalence statements	Thousandths Per cent (%), percentage Proper, improper fractions Mixed numbers Remainders Bridging zero Simplest form Operators (fractions of) Missing values Scale factor Ratio Proportion Whole quantity, Unequal quantities	Formulae express Algebraically Equivalent expressions generalisation	Convert, conversion Metric measurements Imperial units: pints, inches, pounds Area (cm ² , m ²) Squared centimetres, square metres Standard units Volume (cm ³) Centimetres cubed Compound units Speed (mph)	Measure angles in degrees Turns: 360°, 180°, 90° Radius, diameter, circumference Co-ordinate plane Dimensions	Tables Pie charts Line graph Sum, Comparison, Data set Difference Mean Average
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