Mathematical Vocabulary Progression

This vocabulary progression document is to be used to ensure that children are taught the correct mathematical vocabulary in the correct year groups.

Please make sure that children know and understand the meaning of the mathematical words for your year group AND for the previous year groups by the end of the academic year to ensure there are no gaps in learning/knowledge of the correct terminology. It is vital that the children are taught the correct terminology so that they are ready for their next stage of learning as they move through the school.

Pre School children need to have been exposed to the vocabulary listed for Pre School and many of the words are repeated on the Reception Vocabulary list in case a child did not attend Fladbury Pre School and have therefore missed this input to their learning.

Mathematical Vocabulary Progression

Mathematics Vocabulary for EYFS (Pre School)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Geometry (Properties of Shape)**	**Fractions**	**General/Problem Solving**
Number Zero, one, two, three…to ten Count Largest/smallest	More Less Altogether	Groups, share	Full, empty Heavy Light Time Days of the week Day, Month Seasons: Spring, Summer, Autumn, Winter	Over, under, underneath, above, below, top, bottom, side On, in outside, inside around, in front, behind front, back before, after next to	Shape Cube, pyramid, cone, Circle, triangle, square Flat, curved, straight, round Corner	Whole	Listen, join in Say, think, Show me, Look at, point to Find Choose Collect Use Make build Colour/shade Draw Ring Count Counters Cubes Blocks Dice Dominoes Peg board

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Mathematics Vocabulary for EYFS (Reception – some of these are repeated from Pre School in case children did not attend a Pre School setting)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Geometry (Properties of Shape)**	**Fractions**	**General/Problem Solving**
Number Zero, one, two, three…to twenty Count Before/after More, less, many Largest/smallest Equal Count forwards Count backwards	Number bonds Number line Add/addition More Plus Total Altogether Take away Equals Is the same as	Double Half/halve Groups, share	Full, half full, empty Holds Container Balances Heavy, heavier, heaviest Light, lighter, lightest Time Days of the week Day, Month, birthday, holiday Seasons: Spring, Summer, Autumn, Winter Morning, afternoon, evening, night Bedtime, lunchtime,	Over, under, underneath, above, below, top, bottom, side On, in outside, inside around, in front, behind front, back before, after beside, next to opposite Between Up down	Group Sort Shape Cube, cuboid, pyramid, sphere, cone, cylinder, circle, circular, triangle, square Flat, curved, straight, round Corner Face, side, edge	Whole Half Halve	Listen, join in Say, think, show me Start from Look at, point to What comes next? Find Choose Collect Colour/shade Make, build, draw Ring Count Counters Cubes Blocks Dice

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			dinnertime, playtime Today, yesterday, tomorrow First, second, third etc Long, longer, longest Short, shorter, shortest Tall, taller, tallest, High, higher, highest Thick, thin Low, Wide, narrow, Deep, shallow Money, coin, penny, pence, pound, price, cost, buy, sell, spend, pay How much?	Forwards, backwards To, from Stretch, bend			Dominoes Peg board In order

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NEW Mathematics Vocabulary for Year 1 (Look at EYFS for other vocabulary needed)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Geometry (Properties of Shape)**	**Fractions**	**General/Problem Solving**
Numbers to twenty and beyond None Count on, count up, count from, count down Few, fewer, fewest Greater than, less than Odd, even Pair Units, ones, tens	Sum Near double Difference between How many more to make? How many more is …than? How much more is..? Subtract Minus How many fewer is…than?	Odd, even Count in twos/fives Count in tens (forwards from/backwards from) How many times? Lots of Groups of Once, twice, Share equally Group in pairs	Weigh, weighs Scales Week Year Weekend Before, after Next, last Now, soon, early, late Quick, quicker, quickest, quickly, Fast, faster fastest Slow, slower, slowest, slowly Old, older, oldest New, newer, newest	Position Apart Middle, edge, centre, corner, Direction Journey Left, right Sideways Across Close, far, near Along, through	Hollow, solid Point, pointed Size – bigger, larger, smaller	Equal parts, four equal parts One half, two halves A quarter two quarters	Imagine, remember Start with, start at Put, place, fit Arrange, rearrange Change, change over Split, separate Carry on, continue, repeat What comes next? Tell me, describe, pick out, talk about, explain, show me,

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Ten more/less Digit Numeral Figures Compare Order, in order, a different order Size Value Between Halfway between	How much less is..?	Equal groups of	Takes longer, takes less time Hour, o'clock, half past Analogue, digital watch, hands, How long ago? How long will it be? How long will it take? How often? Always, never, often, sometimes, usually Far, near, close Metre, ruler, metre stick spent, change Dear, cheap(er), costs more, costs less, costs the same Total	towards, away from Movement Slide, roll, turn, whole turn, half turn			Read, write, record, trace, copy, complete, finish, end Tick, cross, draw a line between, join, arrow Count, workout, answer, check, missing number Number facts, number line, number track, number square, number cards, Abacus Same way, different way, best way, another way In order, in a different order Not all, every, each

Mathematical Vocabulary Progression

NEW Mathematics Vocabulary for Year 2 (Look at previous years for other vocabulary needed)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Fractions**	**Data/Statistics**	**General/Problem Solving**
Numbers to one hundred Hundreds Partition, recombine Hundred more/less	Sum Commutative Inverse Near double	Three times, five times Multiple of Times Multiply Multiply by Repeated addition Array, row, column, Divide Divide by Left, left over	Quarter past/to Capacity m/km, g/kg, ml/l temperature (degrees)	Rotate, rotation Clockwise, anti-clockwise Straight line Ninety degree turn, right angle **Geometry (Properties of Shape)** Symmetry, symmetrical, line of symmetry Fold Match Mirror line	Three quarters, one third, a third Equivalence, equivalent	Count, tally, sort Vote Graph, block graph, pictogram Represent Group, set, list, table Label, title Most popular, most common, least popular, least common	Predict Describe the pattern, describe the rule Find, find all, find different Investigate

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				Reflection Pattern, repeating pattern Octagon, kite, pentagon, prism			

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NEW Mathematics Vocabulary for Year 3 (Look at previous years for other vocabulary needed)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Geometry (Properties of Shape)**	**Fractions**	**Data/Statistics**
Numbers to one thousand Integer Intervals Column Place value Digit Value Worth Place value holder Roman numerals I to XIII	Column addition Column subtraction Formal written method Exchange	Product Multiples of 4, eight, fifty and one hundred Scale up Divisibility Divisible by Exchange Remainder	Leap year Twelve-hour/twenty-four hour clock	Greater than/less than ninety degrees Orientation (same and different orientation)	Horizontal, vertical, diagonal, perpendicular and parallel lines Heptagon, hexagon, Parallelogram, rhombus, trapezium,	Numerator, denominator Unit fraction, non-unit fraction Compare and order Tenths	Chart, bar chart, frequency table, tally, Carroll diagram, Venn diagram Axis, axes Diagram, label

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NEW Mathematics Vocabulary for Year 4 (Look at previous years for other vocabulary needed)							
Place Value and Number	**Addition and Subtraction**	**Multiplication and Division**	**Measure**	**Geometry (Position and direction)**	**Geometry (Properties of Shape)**	**Fractions**	**Data/Statistics**
Tenths, hundredths Decimal (places) Round (to nearest) Thousand more/thousand less Negative integers Count through zero		Multiplication facts (up to 12X12) Division facts (associated facts) Inverse Inverse operation Derive	Convert	Co-ordinates Translation First quadrant X-axis Y-axis Perimeter, area	Quadrilaterals Triangles – right angle, scalene, equilateral Right angle, acute and obtuse angles	Equivalent decimals and fractions	Continuous data Line graph