

<u>Vocabulary per year group:</u> Each year group should build on and consolidate previous year groups									
NUMBER AND PLACE VALUE									
Rec Numeral - how to write a number using digits	<u>Year 1</u> Numeral - how to write a number using digits Digit - 24 is a 2-digit number. The 2 represents the tens, the 4 represents the ones Compare - equal (is the same as =), greater, more, less, fewer, Order Sort Count - forwards, backwards, Represent Tens, Ones, One more, One less	<u>Year 2</u> Consecutive - following in order 2,3,4 are consecutive numbers Tens, ones, hundreds Place value Numeral / words Partition Estimate	<u>Year 3</u> Tens, ones, hundreds, thousands Roman numerals 1 - 12 Whole number	Year 4 Tens, ones, hundreds, thousands, Tenths, hundredths Whole number Decimal number Decimal point Round to the nearest 10 Round to the nearest 100 Round to the nearest 100 Round to the nearest 1,000 Negative numbers - negative 3 is written - 3 Roman numerals to 100: I, V, X, L, C	<u>Year 5</u> Tens, ones, hundreds, thousands, ten thousands, hundred thousands, million Tenths, hundredths, Thousandths, Roman numerals to 1,000: I, V, X, L, C, D, M	<u>Year 6</u> Tens, ones, hundreds, thousands, ten thousands, hundred thousands, millions, Tenths, hundredths, Thousandths Decimal places			



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ADDITION								
<u>Rec</u> Part - a number of parts added together makes a whole Whole - a whole is made up of a number of parts Equal - symbol (=) read 'equals' or 'is the same as'	Year 1 Numeral - how to write a number using digits Digit - 24 is a 2- digit number. The 2 represents the tens, the 4 represents the ones Sum - the total of one or more additions Total - the sum found by adding More - to increase an amount Numberbond - 2 numbers that add together to make a total, e.g. 6+4 is a numberbond to 10. Adding together - (aggregation)- combining 2 parts together Adding more - (augmentation)- starting with an amount and increasing it by another amount	Year 2 Addend - a number to be added to another Commutative - addition is commutative so 8 + 2 = 2 + 8 Inverse - addition and subtraction are inverse operations so 7 + 3 = 10 and 10 - 3 = 7 Exchange - when adding the ones in column addition if the total is greater than 10 we exchange 10 ones for a ten OR 10 tens for a hundred. Bridging 10 - adding 2 numbers to make ten and then add on the rest Column addition - where the digits are placed in columns to add the numbers together	<u>Year 3</u> Compensation - a mental strategy where one number is rounded to make the calculation easier and then adjusted e.g. 56 + 38 is treated as 56 + 40 and then 2 is subtracted to compensate Estimate Increase	<u>Year 4</u> Consolidation of terms learnt in previous year groups	<u>Year 5</u> Integer - any of the positive or negative whole numbers Positive - any number larger than zero Negative - any number smaller than zero	<u>Vear 6</u> Consolidation of terms learnt in all previous year groups		



Vocabulary per year Each year group sho	<u>Vocabulary per year group:</u> Each year group should build on and consolidate previous year groups								
	SUBTRACTION								
Rec	Year 1	Year 2	<u>Year 3</u>	Year 4, 5 & 6					
Whole - a whole subtract any number of parts equals a part Take away - to remove a number of items from a group	Subtract - to carry out the process of subtraction Minus - a name for the symbol '-' Less - to decrease an amount Counting back Finding the difference	Inverse - addition and subtraction are inverse operations so 10 - 4 = 6 and 6 + 4 = 10 (it is NOT commutative) Exchange - when the number to subtract is larger than the number we are subtracting from we exchange a ten into ten ones. Difference - we subtract to find the difference	Subtrahend - a number to be subtracted from another Minuend - a number from which another is to be subtracted Minuend - Subtrahend = Difference Compensation - a mental strategy where one number is rounded to make the calculation easier and then adjusted e.g. 56 - 38 is treated as 56 - 40 and then 2 is added to compensate Efficient subtraction (Y4) - instead of 4,000 - 2,124 do 3,999 - 2,123 Decrease	Consolidation of terms learnt in previous year groups					



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MULTIPLICATION								
Rec Year 1 Groups of, se lots of Equal groups Counting path (2s, 5s, 10s) Doubles	Year 2ts of,Multiply - to carry out the process of multiplicationernsMultiple - a number in a times table e.g. 	Year 3 Factor - factor x factor = product Product - the result of multiplying 2 numbers Multiply Scaling - to enlarge a number, quantity or measurement by an amount	Year 4 Factor - factor x factor = product e.g. 1,2,3,4,6,12 are factors of 12 Factor pairs - A <u>factor pair</u> is 2 factors multiplied together to make a given product Short multiplication - a method used to multiply 2 or more digits by a 1 digit number, using columns	Year 5 & 6 Prime number - A whole number greater than 1 that only has two factors, itself and 1. Composite - a non prime number. Common factor - a number which is a factor of 2 or more other numbers e.g. 3 is a common factor of 9 and 30, 7 is a common factor of 14 and 21. Prime factor - the factors of a number that are prime e.g. 2 and 3 are the prime factors of 12 Common multiple - the smallest positive number that is a multiple of two or more numbers e.g. 24 is a common multiple of 4,6,8 etc. Square numbers Cube numbers				



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	DIVISION								
Rec & Year 1 Equal - the same Sharing - share equally a number of objects into a specified number of groups. Divide - to carry out the process of division Make equal groups - grouping Make equal groups - sharing	Year 2Sharing - sharing equallybetweenGrouping - put into groups ofDivided by - sharing or groupingInverse - multiplication anddivision are inverse operations so $10 \div 2 = 5$ and $5 \times 2 = 10$ (it is NOT commutative)Even - numbers that can bedivided by 2Odd - numbers that will have aremainder of 1 when divided by 2	Year 3, 4, 5 and 6 Dividend - the number that is being divided into equal parts Divisor - for sharing: the number that it is being shared between. For grouping: the number in each group In 15 ÷ 3, 15 is the dividend and 3 is the divisor Quotient - the result of a division dividend ÷ divisor = quotient Divisible - A whole number is divisible by another if there is no remainder after division e.g. 29 ÷ 7 = 4 r1 Scaling - to reduce a number, quantity or measurement by an amount Short division - a method used to divide 2 or more digits by a 1 digit number Y6 - Long division Orders of operations - brackets, indices ² ³ J, multiplication and division, addition and subtraction							



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<u>Vocabulary per year group:</u> Each year group should build on and consolidate previous year groups								
FRACTIONS								
Rec	<u>Year 1</u> Equal parts Whole Half Quarter	Year 2 WholeHalf $\frac{1}{2}$ Quarters $\frac{1}{4} \frac{2}{4} \frac{3}{4}$ Third $\frac{1}{3} \frac{2}{3}$ Unit fractionNon-unit fractionEquivalentfractionnumeratordenominator	<u>Year 3</u> Whole, part Halves, quarters, thirds Tenths Unit fraction Non-unit fraction	<u>Year 4</u> Tenths Hundredths Proper fractions Improper fraction Mixed number	<u>Year 5</u> Improper fraction Mixed number Thousandths Percentage - out of 100 Equivalent fractions, decimals and percentages	<u>Year 6</u> Equivalent fractions Simplify Highest common factor (HCF) Lowest common multiple (LCM) Percentage of an amount		



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	<u>MEASURES</u>								
<u>Rec</u> Before, after First, next Long, longer Short, shorter Tall, taller	Year 1 Length Height Compare Cm (centimetres) Weight Mass Heavy/Heavier / heaviest Light / Lighter / lightest Equal / Same Capacity (the volume of a material held in a container) Volume (the space taken up inside a container) Full, nearly full, Empty, nearly empty Container Time - before, after, morning, afternoon, evening Today, yesterday, tomorrow Days of the week Months of the year O'clock - minute hand pointing to the 12 Minute hand - longer	Year 2 Length - cm, m, Mass - g, kg, Volume - ml, litres Temperature - °C Time: Analogue clock Minute hand Hour hand O'clock, half past Quarter past, quarter to, 5 minutes past etc Seconds, minutes, hours	<u>Year 3</u> Length - mm Equivalent lengths Perimeter - distance around the edge of a closed shape Intervals Time - to the minute AM / PM 24 hour clock Duration of time Midnight Midday - noon	<u>Year 4</u> Length - km Rectilinear shape - a rectilinear shape can be divided into rectangles in order to find the area Area - the amount of space within a closed 2D shape Time - to the minute AM / PM 24 hour clock Duration of time Analogue Digital	Year 5 Metric measures Imperial measures Timetables Area of a rectangles Area of compound shapes	Year 6 Area of a triangle Area of a parallelogram Volume of a cube/cuboid			



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GEOMETRY								
	Year 1 3D shapes - cube, cuboid, cylinder, cone, pyramid, sphere, Faces Curved surface Roll Stack 2D shapes - square, rectangle, circle, triangle Sides - curved, straight Patter n Next Repeat	Year 2 2D shapes - as Y1 plus pentagon, hexagon, octagon, Sides - curved, straight Regular, irregular Vertex/Vertices - where 2 lines meet at a point Lines of symmetry Symmetrical 3D shapes - as Y1 plus triangular prism, tetrahedron, square based pyramid, Flat faces Curved surfaces Edge - where 2 faces or a face and a curved surface meet Vertex/vertices - where 2 or more edges meet Apex - point at the top of a cone or pyramid	Year 3 Right angle Acute angle -less than a right angle Obtuse angle - more than a right angle Horizontal Vertical Parallel Perpendicular Prism - same shape all the way through Pyramid - tapers to a point Quadrilateral Polygon Carroll diagram Venn diagram	<u>Year 4</u> Right angles are 90 degrees (°) Acute angles are less than 90° Obtuse angles are more than 90° but less than 180° Triangles: Right angled, Equilateral, Isosceles, Scalene Quadrilaterals: squares, rectangles, parallelogram, trapezium, rhombus, kite, Parallel lines, perpendicular lines, Symmetrical figure	Year 5 Protractor Straight line Around a point First Quadrant Translation Co-ordinates Reflection	<u>Year</u> <u>6</u> Circle: Centre - the middle point, radius - the distance from the centre to the edge of a circle, diameter - the distance from one edge to another going through the centre, circumference - the distance around a circle (its perimeter) Four quadrants Co-ordinates - positive and negative Translation Transformation Vertically opposite angles Angles in triangles Angles in quadrilaterals Nets of 3D shapes		



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<u>Vocabulary per year group:</u> Each year group should build on and consolidate previous year groups									
STATISTICS									
Rec	<u>Year 1</u>	<u>Year 2</u> Pictogram Tally chart Block diagram Total, altogether More/less/few er/ difference	Year 3 Keys Symbols Data Horizontal / vertical x-axis, y- axis Bar chart Scale Tables	<u>Year 4</u> Line graphs Continuous data	<u>Year 5</u> Consolidation of Y2 to Y4	<u>Year 6</u> Pie charts Segments Mean Average			