



VOCABULARY ACQUISITION MAP

- MATHEMATICS

EYFS						
	Place value	Multiplication and Division	Geometry (Shape)	Measurement (Size, Length and Height)	Measurement (Money)	
	number count forwards backwards order more less equal	equal share total each double halve split	shape 2D 3D square rectangle circle triangle cube cuboid cone corners faces edges round straight curved	big bigger small smaller long longer short shorter tall taller	coins notes pence pounds total	
	Addition and Subtraction	Fractions	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)	
	add addition take away subtraction more less forwards backwards number bonds total equals	fraction part whole shape half equal parts	next to behind in front of inside up down top bottom	heavy light heavier than lighter than full empty more than less than half half full	before after first finally next morning evening Days of the week Months of the year	
SUPPORT FOR LOWEST 20%	Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.					

YEAR ONE					
	Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Length & Height)	Measurement (Money)
	number ones tens count forwards backwards compare order more less equal to partition	groups equal share lots of arrays total each double halve divide	shape 2d 3d square rectangle circle triangle cube cuboid pyramid sphere surface flat curved	long short longer shorter longest shortest tall taller tallest double half biggest smallest	coins notes pence pounds value count total amount
	Addition and Subtraction	Fractions	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)
	add addition take away subtraction more less forwards backwards number bonds partition total equals represent pictorial representations	fraction part whole shape half quarter equal parts	left right up down forwards backwards top bottom position direction movement turns whole half quarter three-quarter	heavy light heavier than lighter than heaviest lightest full empty more than less than half half full quarter weight mass capacity volume	before after first finally next morning evening faster quicker slower earlier later o'clock half past yesterday today tomorrow hours minutes seconds days of the week day week month year
SUPPORT FOR LOWEST 20%	Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.				

YEAR TWO						
	Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Length & Height)	Measurement (Money)	Statistics

	<p>number ones tens count forwards backwards compare order more less equal to representations partition multiples more than less than smallest greatest patterns representations greater than less than more than fewer most least equal to digit estimate</p>	<p>groups equal share lots of arrays total each double halve divide tables odd even symbol multiples commutative repeated addition multiply mental methods</p>	<p>shape 2d 3d square rectangle circle triangle cube cuboid cylinder pyramid sphere faces vertices corners edges symmetry vertical pattern sides faces</p>	<p>long short longer shorter longest shortest tall taller tallest double half centimetre metre ruler metre stick measure compare greater than less than standard units estimate</p>	<p>coins notes pence pounds value count total amount change compare difference unit combinations</p>	<p>pictogram tally chart block diagram table total compare organise scales more fewer axis interpret construct category data</p>
	Addition and Subtraction	Fractions	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)	

	<p>add addition take away subtraction more less forwards backwards number bonds partition total equals sum difference column exchange addition/subtraction bonds estimate compare symbol</p>	<p>fraction part whole shape half quarter thirds two-quarters three-quarters equal parts unit non-unit numerator denominator equivalent</p>	<p>left right up down forwards backwards top bottom position direction movement whole half quarter three-quarter full turn half turn quarter turn three-quarter turn clockwise</p>	<p>heavy light heavier than lighter than heaviest lightest full empty more than less than half half full quarter grams kilograms scale temperature thermometer</p>	<p>yesterday today tomorrow before after first finally next morning evening faster slower earlier later o'clock half past quarter past quarter to durations compare</p>	
			anticlockwise		analogue	
SUPPORT FOR LOWEST 20%	Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.					

	Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Length & Perimeter)	Measurement (Money)	Statistics
	number ones tens hundreds forwards backwards compare order ascending descending equal to patterns representations partition multiples more than less than smallest greatest greater than less than more than fewer most least equal to digit estimate numerals round	groups equal share lots of arrays total each double halve divide division tables odd even symbol multiples commutative repeated addition multiply mental methods product exchange remainder compare scaling	shape 2d 3d square rectangle circle triangle cube cuboid hexagon octagon pentagon cylinder pyramid sphere tetrahedron faces vertices corners edges symmetry vertical pattern sides faces parallel perpendicular diagonal acute obtuse right angle degrees	double half millimetre centimetre metre kilometre ruler metre stick measure compare greater than less than standard units estimate convert measure calculate perimeter add subtract fraction decimal notation	coins notes pence pounds value count total amount change compare difference unit combinations convert add subtract	pictogram tally chart block diagram table total compare organise scales more fewer axis interpret construct category data bar chart present
	Addition and Subtraction	Fractions	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)	

	<p>add addition sum take away subtraction subtract difference more less forwards backwards number bonds partition total equals sum difference</p>	<p>fraction part whole shape half quarter thirds two-quarters three-quarters fifth tenth equal parts unit non-unit numerator denominator equivalent</p>	<p>left right up down forwards backwards top bottom position direction movement turns whole half quarter three-quarter full turn</p>	<p>more than less than half half full quarter grams kilograms millilitres litres scale temperature thermometer add subtract fraction decimal notation</p>	<p>tomorrow before morning afternoon midday noon midnight evening am pm earlier later o'clock half past quarter past quarter to nearest 5 minutes</p>	
	<p>column exchange addition bonds subtraction bonds estimate compare symbol inverse estimate</p>	<p>whole number compare order decimal decimal point</p>	<p>half turn quarter turn three-quarter turn clockwise anticlockwise</p>		<p>durations compare analogue 12 hour 24 hour digital months years</p>	
SUPPORT FOR LOWEST 20%	<p>Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.</p>					

YEAR FOUR					
Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Length, Perimeter & Area)	Measurement (Money)	Statistics
number ones tens hundreds thousands forwards backwards compare order ascending descending equal to patterns representations partition multiples more than less than smallest greatest greater than less than more than fewer most least equal to digit estimate numerals round negative numbers Roman numerals	groups equal share lots of arrays total each double halve divide division tables odd even symbol multiples commutative repeated addition multiply mental methods product exchange remainder compare scaling distributive law factor integer scaling	shape 2d 3d square rectangle circle triangle cube cuboid hexagon octagon pentagon equilateral scalene isosceles quadrilateral trapezium rhombus parallelogram polygon cylinder pyramid sphere tetrahedron prism faces vertices corners edges symmetry vertical pattern sides faces parallel perpendicular diagonal right angle acute obtuse degrees reflex protractor	double half millimetre centimetre metre kilometre ruler metre stick measure compare greater than less than standard units estimate convert measure calculate perimeter add subtract fraction decimal notation rectilinear area	coins notes pence pounds value count total amount change compare difference unit combinations convert add subtract decimal notation	pictogram tally chart block diagram table total compare organise scales more fewer axis interpret construct category data bar chart present sum difference line graph continuous
Addition and Subtraction	Fractions and Decimals	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)	

	<p>add addition sum</p>	<p>fraction part whole</p>	<p>left right up</p>	<p>more than less than half</p>	<p>tomorrow before morning</p>	
	<p>take away subtraction subtract difference more less forwards backwards number bonds partition total equals sum difference column exchange addition bonds subtraction bonds estimate compare symbol inverse estimate efficient methods</p>	<p>shape half quarter thirds two-quarters three-quarters fifth tenth hundredth equal parts unit non-unit numerator denominator equivalent whole number compare order decimal decimal point mixed number improper families common decimal equivalence round decimal places</p>	<p>down forwards backwards top bottom position direction movement turns whole half quarter three-quarter full turn half turn quarter turn three-quarter turn clockwise anticlockwise co-ordinates quadrant plot</p>	<p>half full quarter grams kilograms millilitres litres scale temperature thermometer add subtract fraction decimal notation</p>	<p>afternoon midday noon midnight evening am pm earlier later o'clock half past quarter past quarter to nearest 5 minutes nearest minute durations compare analogue 12 hour 24 hour digital months years decade century</p>	
<p>SUPPORT FOR LOWEST 20%</p>	<p>Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.</p>					

YEAR FIVE						
	Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Perimeter & Area)	Measurement (Money)	Statistics
	ten thousand hundred thousand compare order ascending descending patterns representations partition multiples smallest greatest greater than less than more than fewer most least digit estimate numerals round negative numbers Roman numerals powers of positive	groups equal share arrays each division tables odd even symbol multiples commutative repeated addition mental methods product exchange remainder compare scaling distributive law factor integer scaling prime squared cubed	cube cuboid hexagon octagon pentagon equilateral scalene isosceles quadrilateral trapezium rhombus parallelogram prism cylinder pyramid sphere tetrahedron polygon faces curved surface vertices symmetry vertical pattern sides faces parallel perpendicular diagonal right angle acute obtuse degrees degree of turn point reflex protractor regular irregular	millimetre centimetre metre kilometre measure compare greater than less than standard units imperial estimate convert measure calculate perimeter fraction decimal notation rectilinear area formulae approximate composite	value amount change compare difference unit combinations convert decimal notation	pictogram tally chart block diagram table total compare organise scales more fewer axis interpret construct category data bar chart present sum difference line graph continuous two-way tables
	Addition and Subtraction	Fractions , Decimals & Percantages	Geometry (Position & Direction)	Measurement (Weight & Volume)	Measurement (Time)	

	<p>sum subtraction subtract difference partition total sum difference</p>	<p>fraction part whole shape <u>half</u> thirds two-quarters</p>	<p>forwards backwards top bottom position direction movement turns</p>	<p>grams kilograms millilitres litres scale temperature thermometer fraction</p>	<p>am pm nearest 5 minutes nearest minute durations compare analogue 12 hour</p>	
	<p>column exchange addition bonds subtraction bonds estimate compare symbol inverse estimate efficient methods multi- step</p>	<p>three-quarters fifth tenth hundredth equal parts unit non-unit numerator denominator equivalent whole number compare order decimal decimal point mixed number improper families simplest form common decimal equivalence round decimal places percent</p>	<p>whole half quarter three-quarter full turn half turn quarter turn three-quarter turn clockwise anticlockwise co-ordinates quadrant plot reflection translation</p>	<p>decimal notation estimate</p>	<p>24 hour digital decade century timetable</p>	
SUPPORT FOR LOWEST 20%	<p>Vocabulary acquisition will be supported in a range of ways. Pupils will be exposed to mathematical vocabulary regularly within lessons and across the curriculum where relevant. Learning Walls will display relevant language alongside lesson content and examples. Vocabulary mats are also used to support and reinforce appropriate mathematical vocabulary. Concrete apparatus will be used where relevant to support the acquisition of vocabulary needed.</p>					

YEAR SIX					
Place Value	Multiplication and Division	Geometry (Shape)	Measurement (Perimeter & Area)	Measurement (Time & Money)	Statistics
hundred thousand million compare order ascending descending equal to patterns representations partition multiples digit estimate numerals round negative numbers Roman numerals powers of positive	_arrays total each divide division tables symbol multiples commutative repeated addition multiply mental methods product exchange remainder compare scaling distributive law factor integer scaling prime squared cubed	equilateral scalene isosceles quadrilateral trapezium rhombus parallelogram cylinder pyramid sphere tetrahedron faces vertices symmetry vertical pattern parallel perpendicular right angle acute obtuse degrees reflex protractor regular irregular	millimetre centimetre metre kilometre standard units imperial estimate convert fraction decimal notation rectilinear area formulae approximate composite	unit combinations convert decimal notation nearest 5 minutes nearest minute durations compare analogue 12 hour 24 hour digital decade century timetable	total compare organise scales axis interpret construct category data bar chart present sum difference line graph continuous two-way tables pie chart mean average
Addition and Subtraction	Fractions , Decimals & Percantages	Geometry (Position & Direction)	Measurement (Weight & Volume)	Ratio and Proportion	Algebra
add addition sum subtraction subtract difference partition total equals sum difference column exchange addition bonds subtraction bonds estimate compare symbol inverse	fraction part whole two-quarters three-quarters fifth tenth hundredth equal parts unit non-unit numerator denominator equivalent whole number compare order decimal decimal point	position direction turns whole half quarter three-quarter degree of turn full turn half turn quarter turn three-quarter turn clockwise anticlockwise co-ordinates quadrant plot reflection translation	grams kilograms millilitres litres scale temperature thermometer fraction decimal notation estimate	integer multiplication division facts ratio proportion percentages scale	function machine equation algebra algebraic formulae variables

	estimate efficient methods multistep	mixed number improper families common decimal equivalence round decimal places percent				
SUPPORT FOR LOWEST 20%						