St Andrew's MATHS Vocabulary Progression Ladder

Repeated from previous year/s	Year 3	Year 4	Year 5	Year 6
Autumn	**Unit 1 and 2** **Addition and Subtraction/Place Value/Number facts** double commutative 2 digit number equation sum addend bridge partition minuend subtrahend difference equivalent numeral compose decompose multiple total complement to 100 equal part whole bar model bridging 100 100s boundary pattern representing 3-digit number place value bridging multiple	**Unit 1:** **Addition and Subtraction** addend sum equation column addition regroup efficient minuend subtrahend difference column subtraction mental strategy **Unit 2:** **Place Value/Number facts** compose multiple estimation thousand **Unit 3** **Geometry** polygon double regular polygon irregular polygon interior angles perimeter regular **Unit 4, 5 and 6** **Number facts** **Multiplication/division** *Shared across Autumn and Spring term* factor multiple product	**Unit 1** **Place Value/Number facts/other** equal fraction mixed number compare order place value equation expression factor product number facts bridging regrouping rounding multiple partitioning metre centimetre convert common compose partition interval operation efficient inequality symbol (< >) tenth tenths column one tenth the size decimal number decimal point ascending descending previous	**Unit 1** **Addition, subtraction, multiplication, division** equivalent represent addend **Unit 2** **Other** **(Multiples)** redistribution sum whole part expression adjustment capacity minuend subtrahend difference inverse multiple equivalent comma represent numeral scaling factor additive multiplicative solution budget unknown constant

	adjacent	hundredth	**Unit 3**
	double/doubling	hundredth column	**Number and Place Value**
	halve/halving	one hundredth the size	composition
	divisibility/divisible	thousandth	placeholder
	equation	thounsandth column	value
	odd	one thousandth the size	inequality
	even	**Unit 2:**	inequality symbol (< >)
	partition	**Number and Place Value**	addend
	digit sum	**(Money)**	subtrahend
	array	tenth	estimate
	operation	hundredth	round
	triple	placeholder	multiple
	skip count	ascending	efficient
	square number	descending	difference
	divisibility rules	convert	powers of 10
	dividend	partition	million
	divisor	unitising	separator comma
	quotient	addend	term
	distributive law	round	midpoint
	common factors	adjust	precise
	place holder	difference	
		number bonds	**Unit 4**
		altogether	**Geometry**
		regroup	regular
		minuend	irregular
		subtrahend	protractor
		difference	compound shape
		representation	area
		pounds	net
		pence	parallelogram
		redistribution	congruent
		change	dimension
		Unit 3	
		Negative numbers	
		numeral	
		scale	
		horizontal	
		interval	
		bridging	
		partitioning	
		coordinates	
		axis	
		positive change	
		negative change	
		negative number	
		temperature	

elevation
quadrant
axes
Unit 4
Number facts and
Multiplication/Division
array
product
regroup/regrouping
estimation
factors
dividend
divisor
quotient
invert
operation
remainder
partial product
expanded multiplication
short multiplication
short division

Spring				
	Unit 3 **Measures** estimate metre (m) centimetre (cm) equivalent convert millilitre (ml) difference table data column row graph axis interpret bar model part whole represent **Unit 4 and 5** **Addition and Subtraction** 3-digit number order place value 100s boundary pattern position estimate compare known facts multiples equation partition bridging bridge **Unit 6** **Multiplication and division** doubling halving half/halve factor product multiple	**Unit 4, 5 and 6** **Number facts** **Multiplication/division** *Shared across Autumn and Spring* *term* factor multiple product adjacent double/doubling halve/halving divisibility/divisible equation odd even partition digit sum array operation triple skip count square number divisibility rules dividend divisor quotient distributive law common factors place holder **Unit 7** **Geometry** polygon vertex verticies grid position horizontal vertical translate/translating translation origin x-axis y-axis	**Unit 5** **Geometry** polygon ascending descending length width compound comparison change unit fraction bar model tessellate area square units rectilinear square centimetres square metre 3x the length/height/depth times the mass/capacity/volume mass capacity volume **Unit 6** **Multiplication and division** **(decimals)** tenth hundredth thousandth equivalent convert unit fraction unitising product factor integer scaling **Unit 7** **Multiplication and division** **(volume, factors, multiples,** **prime)** volume mass factor	**Unit 5** **Add/Subtract/Multiply/Divide/Other** equivalent factor product dividend quotient divisor efficient prime number remainder decimal equivalent partial product regroup associative law long division **Unit 6** **Geometry** perpendicular parallelogram area perimeter coordinates axis/axes quadrant translate reflect base scale factor similar congruent **Unit 7** **Fractions/Other** **(Fractions/precentages)** equivalent common factor simplify simplest form common denominator order proper fraction improper fraction commutative

	adjacent divisible scale/scaling inverse column subtraction minuend subtrahend mental strategy regrouping		common factor multiple property commutative space cubic centimetre cubic metre deduce dimension cube number prime factor common multiple classify associative prime number percent percentages	dividend represent percent percentages convert related fractions
Summer	**Unit 7** **Column subtraction** pioctogram sum unitising adjust inverse efficient distribute redistribute redistribution minuend subtrahend difference partition bar chart table equation rearrange reorder column addition regroup **Unit 9 and 10** **Fractions** denominator numerator third	**Unit 8 and 9** **Fractions** whole part equal unequal interval estimate subtrahend construct mixed number composition integer improper fraction **Unit 10** **Geometry** polygon equilateral triangle isosceles triangle scalene triangle right angled triangle symmetrical mirror line line of symmetry identical reflect reflection	**Unit 8** **Number and Place Value** **Fractions** unit fraction represent non unit fraction unitise numerator denominator improper fraction proper fraction partition estimate divided common factor equal parts equivalent tenth hundredth repeated addition mixed number partition continuous simplest form simplify **Unit 9**	**Unit 8** **Statistics** line graph (covered in Y5 science) x-axis y-axis pie chart sector line graph variable **Unit 9** **Add/Subtract/Multiply/Divide** scale scaling variable number line dimensions scale factor ratio many to many **Unit 10** **Add/Subtract/Multiply/Divide** equation expression perimeter area difference

whole
part
equal
unequal
inequality symbol (< >)
construct
division bar
quarter
fifth
equal/unequal
fraction
set
unit fraction
divide
proper fraction
generalisation
substitute
expression
unit fraction
non unit fraction
numerator
denominator

Unit 10
Geometry:
clockwise
anti-clockwise
polygon
quadrilateral
parallel
decompose
perpendicular
compound
vertex
property
angle
fixed point
rotate
right angle
quarter turn
half turn
three-quarter turn
full turn
triangle
vertex
vertices

Unit 11
Other (Time)
am
pm
seconds
minutes
hours
day
week
interval
convert
month
24 hour clock

Unit 12
Multiplication and Division
groups
divided
grouping
divisor
quotient
dividend
remainder

Number and Place value/other
equivalent
convert
represent
kilometre
represent
calculate
pound
metric
imperial
mile
approximate
Euro

Unit 10
Geometry and other
(Angles)
angle
clockwise
anti-clockwise
right angle
estimate
sum
opposite
quadrilateral
triangle
point
vertex
rotate
acute angle
obtuse angle
reflex angle
degree
arc
degrees
protractor

sum
difference
efficient
unknown
systematically
coefficient

Unit 11
Add/Subtract/Multiply/Divide
difference
systematically
efficient
sum
difference
coefficient
represent
subtrahend
equation
infinite
brackets

Unit 12
Other (Order of operations)
efficient
equation
distributive law
common
order of operation
division
divisible

Unit 13
Other (mean averages)
mean average
set of data
outlier

properties
polygon
rectangle
diagonal
square
point
hexagon
pentagon

Unit 11
Other (Time):
seconds
minutes
hours
day
week
minutes past
minutes to
interval
Roman numeral
am
pm
month
leap year
estimate