

## Mathematics Long Term Overview for Year Group: 6

<b>AUTUMN TERM 1</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1	BLOCK 1: PLACE VALUE	Numbers to 10, 000, 000 Compare and order any number
2	BLOCK 1: PLACE VALUE	Compare and order any number Round any numbers ( trip)
3	BLOCK 1: PLACE VALUE BLOCK 2: FOUR OPERATIONS	Round any numbers Negative numbers Add and subtract whole numbers (column methods)
4	BLOCK 2: FOUR OPERATIONS	Multiply up to a 4-digit number by a 2-digit number Short division Division using factors x and ÷ by 10 / 100 / 1000 / 10, 000
5	BLOCK 2: FOUR OPERATIONS	Long Division (1) (2) (3) (4)
6	BLOCK 2: FOUR OPERATIONS	Common factors Common multiples Primes Squares and cubes
7	BLOCK 2: FOUR OPERATIONS	Order of Operations Mental calculations and estimation Reasoning from known facts

<b>AUTUMN TERM 2</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1	BLOCK 3: FRACTIONS	Simplify fractions Fractions on a number line Compare and order fractions
2	BLOCK 3: FRACTIONS	Add and subtract fractions
3	BLOCK 3: FRACTIONS	Mixed addition and subtraction problems Multiply fractions by a whole number Multiply fractions by a fraction Divide fractions by a whole number (1)
4	BLOCK 3: FRACTIONS	Divide fractions by a whole number (2) Four rules with fractions Fraction of an amount Fraction of an amount – finding the whole
5	BLOCK 4: GEOMETRY – POSITION & DIRECTION	Coordinates in the first quadrant Coordinates in four quadrants
6		Translations

	“	Reflections
7	ASSESSMENTS & CONSOLIDATION	

<b>SPRING TERM 1</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1	BLOCK 1: DECIMALS	3 decimal places X by 10, 100, 1000 ÷ by 10, 100, 1000 Multiply decimals by integers Divide decimals by integers
2	BLOCK 1: DECIMALS	Division to solve problems Decimals as fractions Fractions to decimals (2)
3	BLOCK 2: PERCENTAGES	Fractions to percentages Equivalent FDP Percentage of an amount (2)
4	BLOCK 2: PERCENTAGES	Percentages – missing values Percentage increase and decrease Order FDP
5	BLOCK 3: ALGEBRA	Find a rule – 1 step Find a rule – 2 steps Use an algebraic rule Substitution Formulae
6	BLOCK 3: ALGEBRA	Word problems Solve simple one-step equations Find pairs of values Enumerate pairs of possibilities

<b>SPRING TERM 2</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1	BLOCK 4: MEASUREMENT – CONVERTING UNITS	Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures
2	BLOCK 5: MEASUREMENT – PERIMETER, AREA & VOLUME	Shapes – same area Area and perimeter Area of a triangle
3	BLOCK 5: MEASUREMENT – PERIMETER, AREA &	Area of a parallelogram Volume – counting cubes Volume of a cuboid

	VOLUME	
4	BLOCK 6: RATIO	Using ratio language Ratio and fractions Introducing the ratio symbol Calculating ratio
5	BLOCK 6: RATIO	Using scale factors Calculating scale factors Ratio and proportion problems

<b>SUMMER TERM 1</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1 16/4	BLOCK 1: GEOMETRY – PROPERTIES OF SHAPES	Measure with a protractor Introduce angles Calculate angles Vertically opposite angles Angles in a triangle – special cases Angles in a triangle – missing angles
2 23/4	BLOCK 1: GEOMETRY – PROPERTIES OF SHAPES	Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Nets of 3D shapes
3 30/4	BLOCK 3: STATISTICS	Circles Read and interpret pie charts Pie charts with percentages The mean
4 7/5	BLOCK 3: STATISTICS	Read and interpret line graphs Draw line graphs Use line graphs to solve problems
5 14/5	BLOCK 2: PROBLEM SOLVING	SATs
6 21/5	BLOCK 2: PROBLEM SOLVING	

<b>SUMMER TERM 2</b>		
<b>Wk</b>	<b>BLOCK</b>	<b>SMALL STEPS</b>
1	BLOCK 2: PROBLEM SOLVING	
2	BLOCK 4:	

	INVESTIGATIONS	
3	BLOCK 4: INVESTIGATIONS	
4	BLOCK 4: INVESTIGATIONS	
5	BLOCK 4: INVESTIGATIONS	
6	ASSESSMENTS & CONSOLIDATION	
7	ASSESSMENTS & CONSOLIDATION	