	Autumn Term	Spring Term	Summer Term
Week 1	**Place Value** • Numbers to 10,000 • Numbers to 100,000 • Numbers to one million • Numbers to ten million	**Ratio** • Using ratio language • Introduction to the ratio symbol • Ratio and fractions • Scale drawing	**Multiplication/division** • Long division with remainders • Multi step problems involving multiplication and division
Week 2	**Place Value** • Compare and order any number • Round numbers to 10, 100, 1000 • Round any number • Negative numbers	**Ratio** • Using scale factors • Similar shapes • Ratio problems • Proportion problems (Recipes)	***Recapping of a mixture of topics to prepare for SATS***
Week 3	**Four Operations** • Add whole numbers with more than 4 digits • Subtract whole numbers with more than 4 digits • Inverse operations (addition and subtraction)	**Algebra** • 1-step function machines • 2-step function machines • Form expressions • Substitution • Formulae • Form equations	**SATS WEEK**
Week 4	**Four Operations** • Multi-step addition and subtraction problems • Add and subtract integers • Multiply 4-digits by 1-digit • Multiply 2-digits (area model) • Multiply 2-digits by 2 digits	**Algebra** • Solve 1-step equations • Solve 2-step equations • Find pairs of values • Solve problems with two unknowns • Practice SATS paper to be done Week 3	**Shape** • Angles in quadrilaterals • Angles in Polygons • Draw shapes accurately • Nets of 3D shapes
Week 5	**Four Operations** • Multiply 3-digits by 2-digit • Multiply 4-digits by 2-digit • Divide 4 digits by 1 digit • Divide with remainders • Short division • Division using factors	**Decimals** • Place value within 1 • Place value – integers and decimals • Round decimals • Add and subtract decimals	**Place Value** • Negative numbers (general weakness identified by upper school)
Week 6	**Fractions** • Equivalent fractions & simplifying • Equivalent fractions on a number line. • Compare and order • Mixed addition and subtraction	**Decimals** • Multiply by 10, 100, 1000 • Divide by 10, 100, 1000 • Multiply decimals by integers • Multiply and divide decimals in context	**White Rose themed project** • Bakery project

		Autumn Term	Spring Term	Summer Term
Week 7		**Fractions** • Multiply fractions with integers • Multiply fractions by fractions • Divide fractions by integers (1) • Divide fractions by integers (2)	**Fractions, decimals & percentages** • Decimal & fraction equivalents • Fractions as division • Understand percentages • Fractions to percentages • Equivalent fractions. Decimals and percentages	**White Rose themed project** • Tour project
Week 8		**Fractions** • Four rules with fractions • Fraction of an amount • Fraction of an amount - find the whole	**Fractions, decimals & percentages** • Order fractions, decimals & percentages • Percentages of an amount (1 step) • Percentages of an amount (multi step) • Percentages (missing values)	**White Rose themed project** • Tour project
Week 9		**Measure** • Metric measures • Converting metric • Calculate with metric measures • Miles & kilometres • Imperial measures	**Statistics** • Line graphs • Dual bar charts • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • Mean	*A range of consolidation based on gap analysis*
Week 10		**Measure – area, perimeter** • Shapes: same area • Area & perimeter • Area of a triangle (squares) • Area of triangle (right angled) • Area of any triangle	**Position and direction** • The first quadrant • Read and plot points in all four quadrants • Solve problems with coordinates • Translations • Reflections	
Week 11		**Measure – Volume** • Volume – counting cubes • Volume of a cuboid	**Addition/subtraction** • Add and subtract integers • Common factors • Common multiples	
Week 12		**Shape** • Measure and classify angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles in a triangle	**Multiplication/division** • Common factors • Common multiples • Rules of divisibility • Square and cube numbers • Multiply a 4 digit number by a 2 digit number	

		Autumn Term	Spring Term	Summer Term
Week 13		**Shape** • Angles in a triangle: special cases • Angles in a triangle: missing angles • Angles in quadrilaterals • Angles in polygons • Circles • Drawing shapes accurately • Nets of 3D shapes		
Week 14		**Consolidation of gaps from across the term.**		