

Year 6 Suggested Sequence and Number of Weeks

	Autumn 1	Autumn 2
Autumn	<p style="text-align: center;">Number – Place Value</p> <ul style="list-style-type: none"> Numbers to ten million Compare and order any number Round any numbers Negative numbers <p style="text-align: center;">Number – Decimals</p> <ul style="list-style-type: none"> Three decimal places Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 <p style="text-align: center;">Measures – Converting Units</p> <ul style="list-style-type: none"> Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures <p style="text-align: center;">Number – Four Operations</p> <ul style="list-style-type: none"> Add and subtract whole numbers Multiply up to a 4-digit by 1-digit number Short division Division using factors Long division (1) Long division (2) Long division (3) Long division (4) Common factors Common multiples Primes Squares and cubes 	<p style="text-align: center;">Number – Four Operations (continued from Autumn 1)</p> <ul style="list-style-type: none"> Add and subtract whole numbers Multiply up to a 4-digit by 1-digit number Short division Division using factors Long division (1) Long division (2) Long division (3) Long division (4) Common factors Common multiples Primes Squares and cubes Order of operations Mental calculations and estimation Reasoning from known facts <p style="text-align: center;">Number – Decimals</p> <ul style="list-style-type: none"> Multiply decimals by integers Divide decimals by integers Division to solve problems <p style="text-align: center;">Measures – Perimeter, area and volume</p> <ul style="list-style-type: none"> Shapes – same area Area and perimeter Area of a triangle (1) Area of a triangle (2) Area of a triangle (3) Area of a parallelogram Volume – counting cubes Volume of a cuboid

	<ul style="list-style-type: none"> • Order of operations • Mental calculations and estimation • Reasoning from known facts 	
	Spring 1	Spring 2
Spring	<p>Number – Fractions</p> <ul style="list-style-type: none"> • Simplify fractions • Fractions on a number line • Compare and order fractions by the denominator • Compare and order fractions by the numerator • Add and subtract fractions (1) • Add and subtract fractions (2) • Adding fractions • Subtracting fractions • Mixed addition and subtraction problems • Multiply fractions by whole number • Multiply fractions by fraction • Divide a fraction by a whole number (1) • Divide a fraction by a whole number (2) • Four rules with fractions • Fraction of an amount • Fraction of an amount – finding the whole <p>Number – Decimals</p> <ul style="list-style-type: none"> • Decimals as fractions • Fractions to decimals (1) • Fractions to decimals (2) <p>Number – Percentages</p> <ul style="list-style-type: none"> • Fractions to percentages • Equivalent FDP • Percentage of an amount (1) • Percentage of an amount (2) • Percentages – missing values • Percentage increase and decrease • Order FDP 	<p>Number – Algebra</p> <ul style="list-style-type: none"> • Find a rule – one step • Find a rule – two step • Use an algebraic rule • Substitution • Formulae • Word Problems • Solve simple one step equations • Solve two step equations • Find pairs of values • Enumerate possibilities <p>Number – Ratio</p> <ul style="list-style-type: none"> • Using ratio language • Ratio and fractions • Introducing the ratio symbol • Calculating ratio • Using scale factors • Calculating scale factors • Ratio and proportion problems

	Summer 1/BOOSTER	Summer 2
Summer	<p>Geometry – Properties of Shape</p> <ul style="list-style-type: none"> • Measure with a protractor • Introduce angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles in a triangle – special cases • Angles in a triangle – missing angles • Angles in special quadrilaterals • Angles in regular polygons • Draw shapes accurately • Nets of 3D shapes <p>Geometry – Position and direction</p> <ul style="list-style-type: none"> • Coordinates in the first quadrant • Coordinate in four quadrants • Translations • Reflections <p>Statistics</p> <ul style="list-style-type: none"> • Read and interpret line graphs • Draw line graphs • Use line graphs to solve problems • Circles • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • The mean 	<p>Problem Solving and Investigation</p>

*The teaching of times tables should be on-going and other daily opportunities for teaching objectives such as telling the time should be used where possible.

*Numbers in brackets refer to new White Rose document