

Year 6 –Overview - Autumn

	Week 1 – 2 BLOCK 1	Week 3-7 BLOCK 2	Week 8-9 BLOCK 3	Week 10-11 BLOCK 4	Week 12 BLOCK 5
	Number – Place value	Number – Four Operations	Number – Fractions A	Number – Fractions B	Measurement - converting units
White Rose Maths - small steps	<ul style="list-style-type: none"> • Numbers to 1,000,000 • Numbers to 10,000,000 • Read & write numbers to 10,000,000 • Powers of 10 • Number line to 10,000,000 • Compare & order any integers • Round any integers • Negative numbers 	<ul style="list-style-type: none"> • Add and subtract integers • Common factors • Common multiples • Rules of divisibility • Primes to 100 • Square and cube numbers • Multiply up to a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Division using factors • Introduction to long division • Long division with remainders • Solve problems with division • Solve multi-step problems • Order of operations • Mental calculations and estimation • Reason from known facts 	<ul style="list-style-type: none"> • Equivalent fractions & simplifying • Equivalent fractions on a number line • Compare and order (denominator) • Compare and order (numerator) • Add & subtract simple fractions • Add & subtract any two fractions • Add mixed numbers • Subtract mixed numbers • Multi-step problems 	<ul style="list-style-type: none"> • Multiply fractions by integers –Multiply fractions by fractions • Divide a fraction by an integer • Mixed questions with fractions • Fraction of an amount • Fraction of an amount – find the whole 	<ul style="list-style-type: none"> • Metric measures • Convert metric measures • Calculate with metric measures Miles & Kilometres • Imperial measures
National Curriculum Link	<ul style="list-style-type: none"> • Read, write, order, and compare numbers up to 10,000,000 and determine the value of each digit • Round any whole number to a required degree of accuracy • Use negative numbers in context, and calculate intervals across zero • Solve number and practical problems that involve all the above 	<ul style="list-style-type: none"> • Solve problems involving addition, subtraction, multiplication & division • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy • Identify common factors, common multiples, and prime numbers • Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication • Perform mental calculations, including with mixed operations and large numbers • Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context • Divide numbers up to four digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context • Use knowledge of the order of operations to carry out calculations involving the four operations 	<ul style="list-style-type: none"> • Use common factors to simplify fractions; use common multiples to express fractions in the same denomination • Compare and order fractions, including fractions G 1 • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • Identify common factors, common multiples, and prime numbers • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Solve problems involving addition, subtraction, multiplication, and division 	<ul style="list-style-type: none"> • Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) • Multiply simple pairs of proper fractions, writing the answer in its simplest form • Divide proper fractions by whole numbers • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions -Divide proper fractions by whole numbers • Solve problems involving addition, subtraction, multiplication, and division • Associate a fraction with division and calculate decimal fraction equivalents 	<ul style="list-style-type: none"> • Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate • Use, read, write, and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places • Convert between miles and kilometres.