

**Maths – Year 5/6**  
(Based on White Rose Version 3)

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Year 5	<b>Place Value</b> Roman Numerals; read & write numbers to 1,000,000; powers of 10; 10, 100, 1000, 10,000, 100,000 more or less; partition numbers to 1,000,000; compare & order to 1,000,000; round to 10, 100, 1000.		<b>Addition &amp; Subtraction</b> Mental strategies; add & subtract whole numbers with more than four digits; multi-step problems; find missing numbers.		<b>Multiplication &amp; Division</b> <b>A</b> Multiples; common multiples; <b>factors</b> ; common factors; <b>prime numbers</b> ; <b>square numbers</b> ; cube numbers; multiply & divide by 10, 100, 1000.		<b>Multiplication &amp; Division</b> <b>B</b> Multiply up to 4-digit numbers by 1-digit number; multiply a 2-digit number by a 2-digit number; multiply a 3-digit number by a 2-digit number; multiply a 4-digit number by a 2-digit number; short division; divide a 4-digit number by a 1-digit number; divide with remainders.		<b>Fractions A</b> Find fractions equivalent to a unit fraction and non-unit fraction; convert improper fractions to mixed numbers (and vice versa); compare & order fractions less than 1 and greater than 1; add and subtract fractions with the same denominator; add fractions within 1; add fractions with a total greater than 1; add to a mixed number; add two mixed numbers; subtract fractions; subtract from a mixed number; subtract two mixed numbers.			
	Year 6	<b>Place Value</b> Numbers to 1,000,000 10,000,000; read & write numbers to 10,000,000; powers of 10; compare, order & round integers; negative numbers.		<b>Addition, Subtraction, Multiplication &amp; Division</b> Add and subtract integers; <b>common factors</b> ; <b>common multiples</b> ; rules of divisibility; <b>primes to 100</b> ; square and cube numbers; multiply up to a 4-digit number by a 2-digit number; short division; long division (with and without remainders); order of operations (BODMAS).							<b>Fractions A</b> Equivalent fractions and simplifying; compare and order fractions; add and subtract simple fractions; add and subtract any two fractions; add mixed numbers; subtract mixed numbers; multi-step problems.		
Spring	Year 5	<b>Fractions B</b> Multiply a unit & non-unit fraction by an integer; multiply a mixed number by an integer; calculate a fraction of a quantity; find the whole.		<b>Decimals &amp; Percentages</b> Decimals up to 2dp; <b>equivalent fractions and decimals</b> (tenths, hundredths, thousandths); order & compare decimals; round to nearest whole number; round to 1dp; <b>percentages as fractions and decimals</b> ; <b>multiply and divide decimals by 10, 100, 1000</b> .			<b>Perimeter &amp; Area. Volume.</b> Perimeter of rectangles, rectilinear shapes, polygons; area of rectangles & compound shapes; estimate area. Compare & estimate volume & capacity.		<b>Statistics</b> Draw, read and interpret line graphs; read and interpret tables; two-way tables; read and interpret timetables.		<b>Consolidation</b>		
	Year 6	<b>Fractions B</b> Multiply fractions by integers; multiply fractions by fractions; divide a fraction by an integer; <b>fraction of an amount</b> ; find the whole.		<b>Decimals</b> Place value within 1; round decimals; add & subtract decimals; multiply & divide by 10, 100, 1000; multiply & divide decimals by integers	<b>Fractions, Decimals &amp; Percentages</b> Equivalent fractions, decimals & percentages; order fractions, decimals and percentages; <b>percentage of an amount</b> ; percentages – missing values.		<b>Area, Perimeter &amp; Volume</b> Area & perimeter; area of triangles (counting squares); area of right-angles triangle; area of any triangle; area of parallelogram; volume (counting cubes); volume of cuboid.		<b>Statistics</b> Line graphs; dual bar charts; read and interpret pie charts; pie charts and percentages; draw pie charts; the mean.		<b>Ratio</b> Ratio & fractions; scale drawing; scale factors; recipes.	<b>Algebra</b> 1 and 2-step function machines; form expressions; substitution; formulae; find pairs of values.	
Summer	Year 5	<b>Shape</b> Understand & use degrees; classify, estimate and measure angles; draw lines and angles; calculate angles around a point, on a straight line; regular and irregular polygons; 3D shapes.			<b>Position &amp; Direction</b> Read & plot coordinates; translation with coordinates; lines of symmetry; reflection in horizontal and vertical lines.		<b>Converting Units</b> kg, km, mm, ml; convert units of length; <b>convert between metric and imperial units</b> ; convert units of time.		<b>Decimals</b> Complements to 1; add & subtract decimals across 1; add/subtract decimals with different number of decimal places.		<b>Negative Numbers</b> Understand negative numbers; count through zero in 1s and multiples; compare and order negative numbers; find the difference.		<b>Consolidation</b>
	Year 6	<b>Shape</b> Measure & classify angles; calculate angles; angles in a triangle – include missing angles; angles in a quadrilateral and polygons; circles; draw shapes; nets of 3D shapes.			<b>Position &amp; Direction</b> First quadrant; read & plot points in four quadrants; translations; reflections.		<b>Converting Units</b> Convert metric measure; calculate metric measures; miles and km; imperial measures.		<b>Consolidation and transition prep.</b>				