

	Term	1	2	3	4	5	6
First Form	Title	<b>Place Value, Addition and Subtraction</b>	<b>Multiplication and Division</b>	<b>Geometry</b>	<b>Fractions</b>	<b>Algebra</b>	<b>Handling Data and Percentages</b>
	Core content	<ul style="list-style-type: none"> <li>Understand and use place value in integers and decimals</li> <li>Examine the relationship between operations</li> <li>Estimate by rounding numbers</li> <li>Use factors and multiples</li> <li>Calculate perimeter</li> </ul>	<ul style="list-style-type: none"> <li>Multiply and divide with integers and decimals</li> <li>Calculate the mean</li> <li>Calculate the area of rectangles and triangles</li> </ul>	<ul style="list-style-type: none"> <li>Draw, measure and name angles</li> <li>Use angle facts to calculate missing angles</li> <li>Use the properties of triangles and quadrilaterals to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>Compare and order fractions and decimals</li> <li>Convert between fractions and mixed numbers</li> <li>Multiply and divide fractions and mixed numbers</li> </ul>	<ul style="list-style-type: none"> <li>Use the correct order of operations</li> <li>Using algebraic notation, write and simplify expressions</li> </ul>	<ul style="list-style-type: none"> <li>Calculate a percentage of a quantity</li> <li>Convert between fractions/decimals/percentages</li> <li>Find the whole given the part</li> </ul>
	Core Knowledge	<ul style="list-style-type: none"> <li>number bonds</li> <li>converting units</li> <li>money +/- measurement</li> </ul>	<ul style="list-style-type: none"> <li>mental strategies</li> <li>multiplication facts</li> <li>multiplication strategies</li> <li>solve number problems</li> </ul>	<ul style="list-style-type: none"> <li>lengths and units</li> <li>parallel and perpendicular</li> <li>work with angles</li> <li>division and mean</li> </ul>	<ul style="list-style-type: none"> <li>equal parts</li> <li>factors / multiples</li> <li>tenths / hundredths</li> <li>word problems</li> <li>fractional areas</li> </ul>	<ul style="list-style-type: none"> <li>areas of rectangles and triangles</li> <li>number patterns</li> <li>algebraic notation</li> <li>properties of triangles and quadrilaterals</li> </ul>	<ul style="list-style-type: none"> <li>decimals and problem solving</li> <li>fractions of shapes</li> <li>equivalence</li> <li>order of operations</li> </ul>

Term	1	2	3	4	5	6
<b>Title</b>	<b>Number</b>	<b>Algebra</b>	<b>2D Geometry</b>	<b>Proportional Reasoning</b>	<b>3D Geometry</b>	<b>Statistics</b>
Second Form	<b>Core content</b> <ul style="list-style-type: none"> <li>Use set notation</li> <li>Add and subtract fractions and mixed numbers</li> <li>Use primes and indices</li> <li>Express a number as a product of prime factors using factorization</li> <li>Calculate HCF and LCM</li> </ul>	<ul style="list-style-type: none"> <li>Use negative numbers in context</li> <li>Use inequality statements</li> <li>Form and manipulate expressions and equations</li> <li>Describe and generate sequences</li> </ul>	<ul style="list-style-type: none"> <li>Draw accurate triangles and quadrilaterals</li> <li>Find missing angles</li> <li>Calculate areas and perimeters of composite shapes</li> <li>Convert units</li> </ul>	<ul style="list-style-type: none"> <li>Convert between FDP</li> <li>Perform percentage increase and decrease</li> <li>Finding the whole given the part</li> <li>Calculate using ratio</li> <li>Calculate using speed/ distance/ time</li> </ul>	<ul style="list-style-type: none"> <li>Round and estimate with significant figures</li> <li>Calculate circumference and area of circles</li> <li>Recognise 3D shapes and nets</li> <li>Calculate volume and surface area</li> </ul>	<ul style="list-style-type: none"> <li>Collect and organise data</li> <li>Interpret and compare statistical representations</li> <li>Calculate using different averages and range</li> </ul>
	<b>Core Knowledge</b> <ul style="list-style-type: none"> <li>factors, multiples and primes</li> <li>multiplication / division</li> <li>fraction equivalence and calculation</li> </ul>	<ul style="list-style-type: none"> <li>problem solving with fractions</li> <li>order of operations</li> <li>form algebraic expressions</li> <li>substitution</li> </ul>	<ul style="list-style-type: none"> <li>angle types</li> <li>angle facts</li> <li>rectangle and triangle areas</li> <li><math>\times/\div</math> by powers of 10</li> <li>problem solve with negative numbers</li> </ul>	<ul style="list-style-type: none"> <li>rounding</li> <li>bar modelling with fractions</li> <li>fraction <math>\times/\div</math></li> <li>bar model with equations</li> <li>FDP equivalence</li> </ul>	<ul style="list-style-type: none"> <li>rectilinear areas</li> <li>Fraction +/-</li> <li>Problem solve with fractions</li> <li>% increase /decrease</li> <li>substitute with negatives</li> </ul>	<ul style="list-style-type: none"> <li>statistical diagrams</li> <li>ratio and rate</li> <li>the mean</li> <li>calculator skills</li> <li>rounding</li> </ul>

Term	1	2	3	4	5	6
<b>Title</b>	<b>Graphs and Proportion</b>	<b>Algebraic Expressions</b>	<b>2D Geometry</b>	<b>Equations and Inequalities</b>	<b>Geometry</b>	<b>Statistics</b>
<b>Core content</b>	<ul style="list-style-type: none"> <li>• Correctly use Cartesian coordinates</li> <li>• Interpret and draw linear graphs</li> <li>• Use direct and inverse proportion</li> <li>• Calculate with scales</li> <li>• Calculate using standard form</li> </ul>	<ul style="list-style-type: none"> <li>• Describe and generate sequences, both arithmetic and geometric</li> <li>• Perform algebraic manipulation</li> <li>• Change the subject of a formula</li> <li>• Expand and factorise algebraic expressions</li> </ul>	<ul style="list-style-type: none"> <li>• Construct triangles and quadrilaterals using their properties</li> <li>• Describe loci</li> <li>• Use congruence and similarity</li> <li>• Use angle facts in polygons</li> </ul>	<ul style="list-style-type: none"> <li>• Construct and solve equations</li> <li>• Find graphical solutions to linear equations</li> <li>• Interpret and draw quadratic and other graphs</li> </ul>	<ul style="list-style-type: none"> <li>• Use Pythagoras' theorem</li> <li>• Use trigonometric properties in right angled triangles</li> <li>• Perform transformations</li> <li>• Create proofs using angle facts</li> </ul>	<ul style="list-style-type: none"> <li>• Calculate probability</li> <li>• Calculate the mean of grouped data</li> <li>• Compare data sets</li> <li>• Use stem-and-leaf diagrams and scatter graphs</li> </ul>
<b>Core Knowledge</b>	<ul style="list-style-type: none"> <li>• read scales</li> <li>• linear equations</li> <li>• proportion</li> <li>• % increase /decrease</li> </ul>	<ul style="list-style-type: none"> <li>• write expressions</li> <li>• expressions / area</li> <li>• substitution</li> <li>• powers / roots</li> <li>• calculator skills</li> </ul>	<ul style="list-style-type: none"> <li>• area and circumference</li> <li>• angle facts: lines and triangles</li> <li>• pie charts</li> </ul>	<ul style="list-style-type: none"> <li>• linear graphs</li> <li>• sequences</li> <li>• rearrange formulae</li> <li>• problem solve with algebra</li> </ul>	<ul style="list-style-type: none"> <li>• compound areas</li> <li>• FDP conversion</li> <li>• averages and range</li> </ul>	<ul style="list-style-type: none"> <li>• Venn diagrams</li> <li>• 2-way tables</li> <li>• powers of 10</li> <li>• standard form</li> <li>• FDP problems</li> <li>• problem solve with algebra</li> </ul>

Third Form