



ASPIRE • BELIEVE • ACHIEVE



Curriculum Overview: Mathematics Year 1 GCSE

Year 9 Summer Term 1			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
Angles	<p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li>• Angle properties</li> <li>• Properties of triangles, quadrilaterals and lines</li> <li>• Identify parallel and perpendicular lines</li> <li>• Names of polygons</li> <li>• Recall number of sides of polygons</li> </ul> <p><b>Understanding</b></p> <ul style="list-style-type: none"> <li>• Understanding what lines of symmetry is</li> <li>• What congruency means.</li> <li>• Solving geometric problems using angle properties</li> <li>• Finding missing angles in parallel lines</li> <li>• Understand angle proofs about triangles</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>• Measuring angles</li> </ul>	<p>Students can recall all types of triangle and quadrilaterals using thinking maps and describe their properties.</p> <p>Students can justify why angles are equal using properties of parallel lines.</p> <p>Use proofs to solve angle problems</p> <p>Students know when to apply algebra to solve geometric problems.</p> <p>Students construct accurate angle and shapes</p> <p>Students are automatically reasoning when solving geometric problems.</p>	<p>Mathsbox  <a href="https://www.bbc.com/bitesize">https://www.bbc.com/bitesize</a>            Corbett Maths            Mathsbot            Pixi Maths            PixL times tables APP            Mathswatch</p>

	<ul style="list-style-type: none"><li>• Constructing accurate angles using different methods</li><li>• Explaining why some polygons fit together and others not</li><li>• Solving geometric problems by applying algebra and showing reasoning</li></ul>	<p>Students are creating their own geometric problems for their peers to solve.</p>	
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