



Curriculum Overview: Mathematics Year 8 mainstream

Year 8 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>Knowledge</p> <ul style="list-style-type: none"> • Angle properties • Properties of triangles, quadrilaterals and lines • Identify parallel and perpendicular lines • Names of polygons • Recall number of sides of polygons <p>Understanding</p> <ul style="list-style-type: none"> • Understanding what lines of symmetry is • What congruency means. • Solving geometric problems using angle properties • Finding missing angles in parallel lines • Understand angle proofs about triangles <p>Skills</p> <ul style="list-style-type: none"> • Measuring angles • Constructing accurate 	<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>Students are creating their own geometric problems for their peers</p>	<p>Mathsbox https://www.bbc.com/bitesize Corbett Maths Mathsbot Pixi Maths PixL times tables APP Mathswatch Department videos</p>

	<p>angles using different methods</p> <ul style="list-style-type: none">• Explaining why some polygons fit together and others not• Solving geometric problems by applying algebra and showing reasoning	to solve.	
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