

Curriculum Map	Subject: Mathematics		
Theme / Area Covered	Unit 10 Investigating Angles		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway <b>Emerging</b>	Find unknown angles in triangles Find unknown angles in Quadrilaterals	Find unknown angles in isosceles triangles Find missing angles around a point Find missing angles on a straight line Find missing angles that are vertically opposite Solve problems involving missing angles	Recognise and solve problems involving vertically opposite angles Recognise and solve problems involving angles around a point Recognise and solve problems involving angles on a straight line
Key Objectives / Learning Pathway <b>Developing</b>	Find unknown angles in isosceles triangles Find missing angles around a point Find missing angles on a straight line Find missing angles that are vertically opposite Solve problems involving missing angles	Recognise and solve problems involving vertically opposite angles Recognise and solve problems involving angles around a point Recognise and solve problems involving angles on a straight line	Solve missing angle problems involving alternate angles Solve missing angle problems involving corresponding angles Use knowledge of alternate and corresponding angles to calculate missing angles in geometrical diagrams Establish the fact that angles in a triangle must = $180^\circ$ Establish the size of interior angles in regular polygons Establish the size of exterior angles in regular polygons Solve missing angles problems in polygons
Key Objectives / Learning Pathway <b>Securing</b>	Recognise and solve problems involving vertically opposite angles Recognise and solve problems involving angles around a point Recognise and solve problems involving angles on a straight line	Solve missing angle problems involving alternate angles Solve missing angle problems involving corresponding angles Use knowledge of alternate and corresponding angles to calculate missing angles in geometrical diagrams Establish the fact that angles in a triangle must = $180^\circ$ Establish the size of interior angles in regular polygons Establish the size of exterior angles in regular polygons Solve missing angles problems in polygons	Apply angle facts to derive results about angles and sides Know the conditions for triangles to be congruent Use the conditions for congruent triangles
Key Objectives / Learning Pathway <b>Excelling</b>	Solve missing angle problems involving alternate angles Solve missing angle problems involving corresponding angles Use knowledge of alternate and		Create a geometrical proof Use congruence in geometrical proofs Solve geometrical problems involving similarity Know the meaning of a Pythagorean triple

	<p>corresponding angles to calculate missing angles in geometrical diagrams</p> <p>Establish the fact that angles in a triangle must = <math>180^\circ</math></p> <p>Establish the size of interior angles in regular polygons</p> <p>Establish the size of exterior angles in regular polygons</p> <p>Solve missing angles problems in polygons</p>		
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