



Longfield Learning Journey



Key Stage 4 Foundation	Unit of work: Angles and Polygons – Unit 3	Term: 1.2		
Key Words:	Prerequisites	R	A	G
Congruence, Parallel, Perpendicular, Corresponding, Supplementary, Co-Interior, Alternate, Vertically Opposite, Bearing	Measure a line segment in mm and cm.			
	Estimate the size of an angle.			
	Recognise right angles, angles at a point and angles on a line.			

	Content: Angles and Polygons – Unit 3 CORE EXTENTION	R	A	G
G1	Use conventional terms and notations: points, lines, parallel lines, perpendicular lines, right angles.			
G3	Apply the properties of angles at a point, angles at a point on a straight line			
G3	Use bearings			
G3	Derive and use the sum of angles in a triangle			
G4	Derive and apply the properties and definitions of special types of quadrilaterals			
G6	Apply angle facts to conjecture and derive results about angles			
G5	Use basic congruence criteria for triangles			
G6	Apply angle facts, triangle congruence, similarity and properties of quadrilaterals to conjure and derive results about angles and sides			
G6	Apply the concepts of congruence and similarity, including relationship between lengths.			
G3	Derive and use the sum of angles in a triangle (e.g. to deduce and use the angle sum in any polygon, and to derive properties of regular polygons)			

K <i>What you know</i>	W <i>What you want to know</i>	L <i>What have you learned</i>