Year 7	Term 3		
Stage	**Description**		
	Section A Perimeter and Area	**Section B** 3D shapes	**Section C** Angles
Emerging	• Convert between standard metric units of measurement • Know the properties of rectangles • Classify 2D shapes using given categories; e.g. number of sides, symmetry • Recall the names and shapes of special triangles and quadrilaterals	• Know the names of basic 3D shapes. • Can identify the parts of a 3D shape i.e. Vertices, Edges and Faces.	• Use a protractor to draw angles up to 180° • Know the angle sum of a triangle • Know the angle sum of a quadrilateral • Find missing angles in triangles • Find missing angles in isosceles triangles
Developing	• Can calculate the perimeter of rectangles. • Can calculate the perimeter of triangles and compound shapes.	• Visualise a 3D shape from its net. • Can draw a Net of a shape using an appropriate scale.	• Identify fluently angles at a point, angles at a point on a line and vertically opposite angles. • Explain reasoning using vocabulary of angles.
Secure	• Can calculate areas using the appropriate units of measure for the problem. • Can find compound areas using a combination of shape rules.	• Can calculate the volume of cuboids. • Shows an understanding of the cross section of a shape and how it can be used to calculate more complex volumes.	• Apply the properties of triangles to solve problems • Apply the properties of quadrilaterals to solve problems. • Can name polygons and identify the number of sides each shape has.
Excellence	• Can apply area and perimeter rules to real life scenarios, using appropriate methods to gain approximate answers, showing reasoning for methods used.	• Can deconstruct a real life shape problem given in an algebraic form, to find an appropriate solution.	• Can find missing internal and external angles in specified polygons. • Understands why specific polygons tessellate.