Class 6 (Y5) Shape

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
2-D Shapes (plane shapes)	State and use the properties of a rectangle (including squares) to deduce related facts Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Draw shapes using given dimensions and angles	horizontal vertical perpendicular parallel adjacent **diagonal**	Further develop drawing shapes using ruler Draw and measure straight lines in cm	plane shapes hoops/sorting trays	
3-D Shapes (solids)	Identify 3-D shapes, including cubes and cuboids, from 2-D representations Nets of 3D shapes		assembly of given nets	solid shapes variety of nets	

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Angles	How to use a protractor Know angles are measured in degrees; estimate and measure them and draw a given angle, writing its size in degrees (°) Identify • multiples of 90° • angles at a point on a straight line and ½ a turn (180°) • angles at a point and one whole turn (total 360°) • reflex angles Compare different angles Draw shapes using given dimensions and angles Use the term diagonal and make conjectures about the angles formed by diagonals and sides and other properties of quadrilaterals Use angle sum facts and other properties to make deductions about missing angles and relate these to missing number problems	clockwise anti-clockwise **degrees** **acute** **obtuse** **reflex** **straight line** **angle**	Use of protractor for measuring and drawing angles	**set squares - 45®** teacher protractor protractors	

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Position Translation	Identify, describe and represent the position of a shape following a translation, using the appropriate language, and know that the shape has not changed	grid axis pair of axes quadrant co-ordinates brackets translation	Drawing a pair of axes in one quadrant, with equal scales and integer labels		
Reflective Symmetry	Identify, describe and represent the position of a shape on a co-ordinates grid following a reflection, using the appropriate language, and know that the shape has not changed. Reflection should be in lines that are parallel to the axes.	symmetry reflection mirror	Drawing a pair of axes in one quadrant, with equal scales and integer labels	symmetry pictures mirrors tracing paper	