

Class 7 (Y6)

Shape

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
<i>2-D Shapes (plane shapes)</i>	Compare and classify geometric shapes based on their properties and sizes Find any unknown angles in any triangles, quadrilaterals, and regular polygons Illustrate and name parts of circles, including radius, diameter and circumference	radius diameter circumference	Draw shapes accurately, using measuring tools, conventional markings and labels for lines and angles Describe the properties of shapes and explain how unknown angles and lengths can be derived from known measurements	plane shapes hoops/sorting trays	
<i>3-D Shapes (solids)</i>	Recognise, describe and build simple 3-D shapes, including making nets		Draw nets of shapes accurately, using measuring tools	solid shapes variety of nets	
<i>Angles</i>	Use a protractor Find unknown angles where they meet at a point, are on a straight line, and are vertically opposite		Use of protractor for measuring and drawing angles	set squares - 45° teacher protractor protractors	
<i>Position</i> <i>Co-ordinates</i> <i>Translation</i>	Describe positions on the full co-ordinate grid (all four quadrants) Draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes	grid axis pair of axes quadrant co-ordinates brackets translation	Draw and label a pair of axes in all four quadrants with equal scaling Draw and label rectangles (including squares), parrallelograms and rhombuses, specified by co-ordinates in the four quadrants, predicting missing co-ordinates using the properties of shape		

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<i>Reflective Symmetry</i>	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	Draw and label a pair of axes in all four quadrants with equal scaling	symmetry pictures mirrors tracing paper	