Mathematics Learning Continuum for Geometry - Key Stage 2

Y3	Y4	Y5	Y6
• Draw 2D shapes and make 3D shapes using modelling materials • Recognise 3D shapes in different orientations • Identify and use right angles • Recognise that two right angles make a half-turn, three right angles make a three-quarter turn and four make a whole turn • Describe and recognise types of line – horizontal, vertical, parallel and perpendicular	• Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • Identify acute and obtuse angles and compare and order angles up to two right angles by size • Identify lines of symmetry in 2D shapes and complete a simple symmetric figure • Plot specified points on a 2D grid as coordinates in the first quadrant • Plot specified points and draw sides to complete a given polygon	• Identify 3D shapes from 2D representations • Know angles are measured in degrees (°) • Compare acute, obtuse and reflex angles • Identify, measure and draw angles • Identify angles at a point and one whole turn (360°) • Identify angles at a point on a straight line and half a turn (180°) • Identify angles in multiples of 90° • Distinguish between regular and irregular polygons • Identify, describe and represent translations and reflections of shapes	• Draw 2D shapes using given dimensions and angles • Recognise, describe and build simple 3D shapes to specifications, including making nets • Compare and classify geometric shapes based on their properties and sizes • Find unknown angles and lengths in triangles, quadrilaterals and regular polygons • Name parts of circles including radius, diameter and circumference • Know that diameter is twice the radius in circles • Describe positions on the full coordinate grid (all four quadrants) • Draw and translate shapes on the coordinate plane and reflect them in the axes

3D three-dimensional cube cuboid pyramid sphere hemi-sphere spherical cone cylinder cylindrical prism tetrahedron polyhedron octahedron dodecahedron 2D two-dimensional circle circular semi-circle triangle triangular equilateral isosceles scalene rhombus rectangular oblong pentagonal hexagonal heptagon octagonal polygon quadrilateral kite parallelogram trapezium radius diameter circumference concentric arc net right-angled congruent intersection vertex vertices regular irregular concave convex tangram line symmetry reflective symmetry reflection reflect translation grid row column origin coordinates clockwise anticlockwise compass point north south east west north-east north-west south-east south-west horizontal vertical diagonal parallel perpendicular axis quadrant whole turn half turn quarter turn three-quarter turn rotate rotation right angle acute obtuse reflex degree protractor