St Benedict's Catholic Primary School
Progress in Skills: Mathematics:
Geometry: Properties of Shapes and Position, Direction, Motion

With Jesus, we learn, love and laugh

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term		Identify & describe the properties of 2D shapes, incl. the number of sides & symmetry in a vertical line. Identify and describe the properties of 3D shapes, incl. the number of edges, vertices and faces. Compare and sort common 2D and 3D shapes & everyday objects.	Recognise angles are a property of a shape or a description of turn. Identify angles; recognise 2 right angles make a half-turn, 3 make a ¾ turn and 4 a complete turn; identify whether angles are greater or less than a right angle		Identify 3D shapes incl. cubes & cuboids from 2D representations. Use the properties of rectangles to deduce related facts & find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles. Identify: angles at a point on a straight line and ½ a turn (total 180º); angles at a point & one whole turn (total 360º); other multiples of 90º Draw any given angles & measure them in degrees.	
Spring Term	Recognise and name some common 2D and 3D shapes incl: - 2D, e.g. rectangles (incl. squares), circles, triangles - 3D, e.g. cuboids (incl. cubes), pyramids, spheres.	Identify 2D shapes on the surface of 3D shapes.	Draw 2D shapes Identify horizontal &vertical, & pairs of parallel and perpendicular lines	Compare and classify geometric shapes incl. quadrilaterals and triangles based on their properties and sizes. Identify acute and obtuse angles and compare and order angles up to 180º by size.	Identify, describe and represent the position of a shape following a reflection or translation using the appropriate language, & know that the shape has not changed.	Draw 2D shapes using given dimensions & angles. Recognise, describe and build simple 3D shapes incl. making nets. Compare and classify geometric shapes based on their properties and sizes &

				Describe positions on a 2D grid as co-ordinates in the first quadrant. Describe movements between positions and translations of a given unit to the left/right and up/down. Plot specified points and draw sides to complete a given polygon.		find unknown angles in any triangles, quadrilaterals & regular polygons. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, & find missing angles. Illustrate and name parts of circles, incl. radius & diameter. Describe positions on the full co-ordinate grid (all 4 quadrants). Draw and translate simple shapes on the co-ordinate plane & and reflect them in the axes.
Summer Term	Describe position, directions and movement, incl. half, quarter and three-quarter turns.	Order & arrange combinations of mathematical objects in patterns and sequences. Use mathematical vocabulary to describe position, direction & movement, incl. movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for ¼, ½, and ¾ turns (clockwise and anti-clockwise).	Make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.	Identify lines of symmetry in 2D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry.		Illustrate and name parts of circles, incl. circumference and know that the diameter is twice the radius.