Purbrook Infant School
Geometry Medium Term Plan

Year Group: 2
Geometry

End of year expectations:

Properties of shapes:
- identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line
- identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid
- compare and sort common 2-D and 3-D shapes and everyday objects.

Position and direction:
- order and arrange combinations of mathematical objects in patterns
- use mathematical vocabulary to describe position, direction and movement including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line.

Autumn	Spring	Summer
Geometry: • Identify and describe the properties of a range of 2D shapes (including irregular shapes) – including number of sides and line symmetry. • Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces • Compare and sort 2D and 3D shape according to different criteria • Order and arrange combinations of mathematical objects in patterns and sequences	**Geometry:** • Identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid • Compare and sort common 2-D and 3-D shapes and everyday objects, recognising and describing their properties. • Use mathematical vocabulary to describe position, direction and movement • Investigate the concept of rotation or "turn" – in relation to angle as a movement. • Continue to use and apply knowledge of quarter, half and three-quarter turns (clockwise and anti-clockwise)	**Geometry:** • Relate quarter turns to right angles • Compare and sort common 2-D and 3-D shapes and everyday objects. • Identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line • Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces • Identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid