Meadgate Primary School Progression of Skills
Maths

Geometry	
2D shapes (EYFS)	Can they match a given shape? Can they begin to recognise and name common shapes with four sides, circles and triangles? Can they become familiar with 2D shapes during everyday activities?
2D shapes (Year 1)	Can they recognise and name common 2D shapes including rectangles (including squares), circles and triangles?
2D shapes (Year 2)	Can they identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line? Can they identify 2D shapes on the surface of 3D shapes (for example a circle on a cylinder and a triangle on a pyramid)? Can they compare and sort common 2D shapes and everyday objects?
2D shapes (Year 3)	
2D shapes (Year 4)	Can they compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes? Can they identify line of symmetry in 2D shapes presented in different orientations?
2D shapes (Year 5)	Can they distinguish between regular and irregular polygons based on reasoning about equal sides and angles? Can they use the properties of rectangles to deduce related facts and find missing lengths and angles?
2D shapes (Year 6)	Can they use the properties of rectangles to deduce related facts and find missing lengths and angles, using given dimensions and angles? Can they compare and classify geometric shapes based on their properties and sizes? Can they illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius?

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Maths

Geometry	
3D Shapes (EYFS)	Can they match a given shape? Can they become familiar with 3D shapes during everyday activities e.g. building towers, printing etc?
3D Shapes (Year 1)	Can they recognise and name common 3D shapes including cuboids (including cubes), pyramids and spheres?
3D Shapes (Year 2)	Can they recognise and name common 3D shapes including cuboids (including cubes), pyramids and spheres? Can they compare and sort common 3D shapes and everyday objects?
3D Shapes (Year 3)	Can they use modelling materials; recognise 3D shapes in different ways and describe them?
3D Shapes (Year 4)	
3D Shapes (Year 5)	Can they recognise and name common 3D shapes including cubes and cuboids, from 2D representations?
3D Shapes (Year 6)	Can they recognise, describe and build simple 3D shapes, including making nets?

Meadgate Primary School Progression of Skills
Maths

Geometry	
Angles and Lines (Year 1)	
Angles and Lines (Year 2)	
Angles and Lines (Year 3)	Can they recognise angles as a property of shape or a description of a turn? Can they identify right angles, recognising that two right angles make a half-turn, three make three quarters of a turn and four a complete turn? Can they identify whether angles are greater than or less than a right angle? Can they identify vertical line and pairs of perpendicular and parallel lines?
Angles and Lines (Year 4)	Can they identify acute and obtuse angles and compare and order angles up to two right angles by size? Can they identify lines of symmetry in 2D shapes presented in different orientations? Can they complete a simple symmetric figure with respect to a specific line of symmetry?
Angles and Lines (Year 5)	Do they know that angles are measured in degrees? Can they estimate and compare acute, obtuse and reflex angles? Can they draw given angles and measure them in degrees? Can they identify angles at a point and one whole turn (total 360°)? Can they identify angles at a point on a straight line and ½ a turn (total 180°)? Can they identify other multiples of 90°?
Angles and Lines (Year 6)	Can they find unknown angles in any triangles, quadrilaterals and regular polygons? Can they recognise angles where they meet at a point, are on a straight line, or are vertically opposite and find missing angles?

Meadgate Primary School Progression of Skills
Maths

Geometry	
Position and Direction (EYFS)	Can they talk about the position of objects, using appropriate prepositions?
Position and Direction (Year 1)	Can they describe position, direction and movement, including whole, half, quarter and three-quarter turns?
Position and Direction (Year 2)	Can they order and arrange combinations of mathematical objects in patterns an sequences? Can they use mathematical vocabulary to describe position, direction and movement, including moment in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)?
Position and Direction (Year 3)	
Position and Direction (Year 4)	Can they describe positions on a 2D grid as coordinates in the first quadrant? Can they describe movements between positions as translations of a given unit to the left/right and up/down? Can they plot specific points and draw sides to complete a given polygon?
Position and Direction (Year 5)	Can they represent the position of a shape following reflection or translation, using the appropriate language, and know that the shape has not changed?
Position and Direction (Year 6)	Can they use the full coordinate grid (all four quadrants)? Can they draw and translate simple shapes on the coordinate plane and reflect them in the axes?