College Road Primary School and White Rose Maths Progression in Geometry Shape

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2D Shapes	2 D Shapes Recognise and name common 2- D shapes [for example, rectangles (including squares), circles and triangles]	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line 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 shapes and everyday objects	Draw 2 D Shapes	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Use the properties of rectangles to deduce related facts and find missing lengths and angles	Draw 2-D shapes using given dimensions and angles Compare and classify geometric shapes based on their properties and sizes Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
3D Shapes	3D Shapes Recognise and name common 3- D shapes [for example, cuboids (including cubes), pyramids and spheres	Recognise and name common 3- D shapes [for example, cuboids (including cubes), pyramids and spheres] Compare and sort common 3-D shapes and everyday objects	Make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		Identify 3-D shapes, including cubes and other cuboids, from 2-D representations	Recognise, describe and build simple 3-D shapes, including making nets

Angels and Lines			Recognise angles as a property of shape or a description of a turn Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	Identify acute and obtuse angles and compare and order angles up to two right angles by size Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Draw given angles, and measure them in degrees Identify: • angles at a point and one whole turn (total 360°) • angles at a point on a straight line and 1 2 a turn (total 180°) • other multiples of 90°	Find unknown angles in any triangles, quadrilaterals, and regular polygons • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
Autumn	Block 3 Shape Week 11	Block 3 Shape Week 10-12				
Spring						
Summer			Block 4 Week 8 and 9	Block 4 Week 8 and 9	Block 1 Week 1,2 and 3	Block 1 Week 1,2, 3

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Small Steps	1. Recognise and name 3D Shapes 2. Sort 3D shapes 3. Recognise and name 2D shapes 4. Patterns with 2D and 3D shapes	1. Recognise 2D and 3D shapes 2. Count sides on 2D shapes 3. Count Vertices on 2D shapes 4. Draw 2D shapes 5. Lines of symmetry on shapes 6. Use lines of symmetry to complete shapes 7. Sort 2D shapes 8. Count faces on 3D shapes 9. Count edges on 3D shapes 10. Count vertices on 3D shapes 11. Sort 3D shapes 12. Make patterns with 2D and 3D shapes	1. Turns and angles 2. Right angles 3. Compare angles 4. Measure and draw accurately 5. Horizontal and vertical 6. Parallel and perpendicular 7. Recognise and describe 2D shapes 8. Draw Polygons 9. Recognise and describe 3D Shapes 10. Make 3D shapes	1. Understand angles and turns 2. Identify angles 3.Compare and order angles 4. Triangles 5. Quadrilaterals 6. Polygons 7. Lines of symmetry 8. Complete a symmetric figure	1. Understand and use degrees 2. Classify angles 3. Estimate angles 4. Measure angles up to 180° 5. Draw lines and angles accurately 6. Calculate angles around a point 7. Calculate angles on a straight line 8. Length and angles in shape 9. Regular and irregular polygons 10. 3D shapes	1. Measure and classify angles 2. Calculate angles 3. Vertically opposite angles 4. Angles in a triangle 5. Angles in a triangle - special cases 6. Angles in a triangle – missing angles 7.Angels in a quadrilateral 8.Angles in polygons 9.Circles 10.Draw shapes accurately 11. Nets of 3D shapes