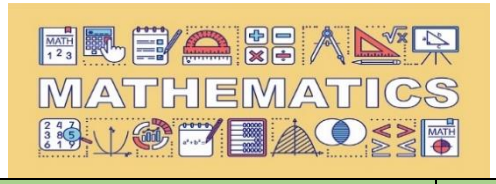

VPJS ASK CURRICULUM

Year 3	Year 4	Year 5	Year 6
Knowledge – Geometry	**Knowledge – Geometry**	**Knowledge – Geometry**	**Knowledge – Geometry**
• Draw 2-D shapes • Make 3-D shapes modelling materials; recognise 3-D shapes in different orientations and describe them **Angles 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 **Position and Direction**	• 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 **Angles and lines** • Identify acute and obtuse angles and compare and order angles up to 2 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 **Position and Direction** • Describe positions on a 2-D grid as coordinates in the first quadrant • Describe movements between positions as translations of a given unit to the left/right and up/down • Plot specified points and draw sides to complete a given polygon	• 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 • identify 3-D shapes, including cubes and cuboids, from 2-D representations **Angles and lines** • Know angles are measure 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 • Identify angles at a point on a straight line and $\frac{1}{2}$ a turn • Other multiples of 90 degrees **Position and Direction** • Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language and know that the shape has not changed	• draw 2-D shapes using given dimensions and angles • compare & classify geometric shapes based on their properties & sizes • illustrate & name parts of circles including radius, diameter & circumference & know that the diameter is twice the radius • recognise, describe & build simple 3-D shapes including making nets **Angles and lines** • find unknown angles in any triangles, quadrilaterals and regular polygons • recognise angles where they meet at a point on a straight line, or are vertically opposite and find missing angles **Position and Direction** • describe positions on the full co-ordinate grid (all four quadrants) • draw & translate simple shapes on the coordinate plane & reflect them in the axes