



Target grade for tests:

<p>Lesson Overview</p> <p><u>VISUALISING AND CONSTRUCTING</u></p> <ul style="list-style-type: none"> Recognise 2-D shapes Recognise and name rectangles Recognise and name squares Recognise and name circles Recognise and name triangles Compare 2-D shapes and explain how they are similar or different Recognise 3-D shapes Recognise and name cuboids Recognise and name cubes Recognise and name pyramids Recognise and name sphere Compare 3-D shapes and explain how they are similar or different Identify and draw horizontal and vertical lines Identify and draw parallel lines Identify and draw perpendicular lines Sketch common 2D shapes Draw and measure a line in centimetres Construct common 2D shapes using a ruler Make and identify 3D shapes using modelling materials Describe 3D shapes using mathematical language <p><u>INVESTIGATING PROPERTIES OF SHAPES</u></p> <ul style="list-style-type: none"> Identify and describe the properties of pentagons Identify and describe the properties of hexagons Identify and describe the properties of octagons Identify symmetry properties of 2-D shapes using vertical lines Compare and sort 2-D shapes Identify and describe 2-D shapes on the surface of 3-D shapes Identify and describe the properties of 3-D shapes including the number of edges Identify and describe the properties of 3-D shapes including the number of vertices Identify and describe the properties of cylinders Identify and describe the properties of cones Compare and sort 3-D shapes 				<p>Key Words</p> <p>Refer to http://studymaths.co.uk/glossary.php for definitions of the key words</p> <p>2-D shape (polygon) Rectangle, square, circle, triangle and other 2-D shapes if appropriate 3-D shape Cuboid, cube, cone, cylinder, pyramid, sphere Shape, pattern Flat, curved, straight, round, hollow, solid Corner, point, pointed Face, side, edge, end Sort, make, build, draw Quadrilateral Circular, Triangular, Rectangular Side, Corner, Line symmetry, Vertical Mirror line, Reflection, Fold Edge, Vertex, Vertices, Face Regular Irregular</p> <p>Horizontal Vertical Perpendicular Parallel Face, Edge, Vertex (Vertices) Cube, Cuboid, Prism, Cylinder, Pyramid, Cone, Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus Polygon, Hexagon, Pentagon, Octagon, Decagon</p> <p>Notation Arrow notation to represent parallel lines Right angle notation for perpendicular lines</p>		
<p>Suggested reading or support/ challenge available</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="105 1368 496 1653" style="border: 1px solid black; border-radius: 15px; padding: 10px; background-color: #fff9c4;"> <p>www.mymaths.co.uk</p> <p>login: penryn password: octagon</p> </div> <div data-bbox="592 1368 1114 1653" style="border: 1px solid black; border-radius: 15px; padding: 10px; background-color: #ffe0b2;"> <p>www.hegartymaths.com</p> <p>Go to student login at the top... find your school, enter your details and then set up your password...</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="105 1653 616 1928" style="border: 1px solid black; border-radius: 15px; padding: 10px; background-color: #c8e6c9;"> <p>vle.mathswatch.co.uk/vle/</p> <p>username: school username@penryn-college password: Penryn2016</p> </div> <div data-bbox="655 1653 1086 1928" style="border: 1px solid black; border-radius: 15px; padding: 10px; background-color: #e1bee7;"> <p>Times table rockstars</p> <p>Login: first 3 letters first name followed by first 3 letters second name Password: Penryn</p> </div> </div>				<p>Cross curricular NAC:</p> <p>Science – Mathematical names of 3-D shapes. Make simple 3-D models from nets. Recognise 2-D representations of 3-D shapes. Use co-ordinates in the first Quadrant. Understand angle as a measure of turn. Measure and draw angles.</p> <p>Technology- Make simple 3-D models from nets.</p> <p>Art – Mathematical names of 3-D shapes.</p>		
Research	Note-making	Group work & discussion	Memorisation	Precision & accuracy	Independence	Reflection

