## **Topic: 2D Representations of 3D Shapes**

| Topic/Skill             | Definition/Tips   | Example                                      |
|-------------------------|---|--|
| 1. Net                  | A pattern that you can <b>cut and fold</b> to make a <b>model</b> of a <b>3D shape</b> .  | 1<br>2 3 4<br>5<br>6 N 5                     |
| 2. Properties of Solids | Faces = flat surfaces Edges = sides/lengths Vertices = corners  | A cube has 6 faces, 12 edges and 8 vertices. |
| 3. Plans and Elevations | This takes 3D drawings and produces 2D drawings.  Plan View: from above Side Elevation: from the side Front Elevation: from the front | Original 3D Drawing  2D Drawings             |
| 4. Isometric Drawing    | A method for visually representing 3D objects in 2D.  | Plan Front Elevation Side Elevation          |