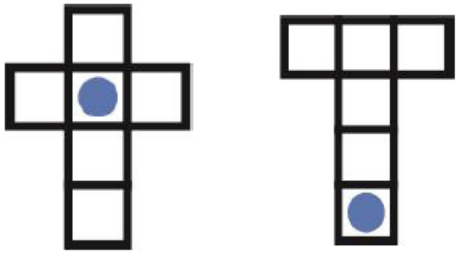
ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE: 3D shapes from 2D representations (5LS24) **YEAR GROUP: 5** **TERM: Spring 2**

Vocabulary 2D 3D Shape Net Cube Cuboid Square Rectangle Sides Edges Vertex Faces Fold	**Skills** • Use vocabulary accurately to describe the properties of 3D shapes including cubes and cuboids • Draw nets to represent 3D shapes • Select nets which, when folded, will give rise to specific 3D shapes • Correctly orientate a pattern to the face of a net to reflect an equivalent 3D shape	**What we already know** • Recognise and name common 2D and 3D shapes (including cubes and cuboids) • Describe the properties of 3-D shapes including edges, faces and vertices • Identify 2-D shapes on the surface of 3-D shapes • Make 3-D shapes using modelling materials
Illustration 	**Application/ Outcomes** • Drawn sketches to show 2D representations of 3D shapes • Verbal discussions about the 2D/3D shapes	**Concepts** • A 3D shape is made of faces that are 2D shapes • A cube is a special type of cuboid • A cuboid has six faces, eight vertices and 12 edges • Nets show how a 3D shape could be displayed if it were 'unfolded' • The orientation of a pattern on a net will affect how it is presented on the 3D shape.