

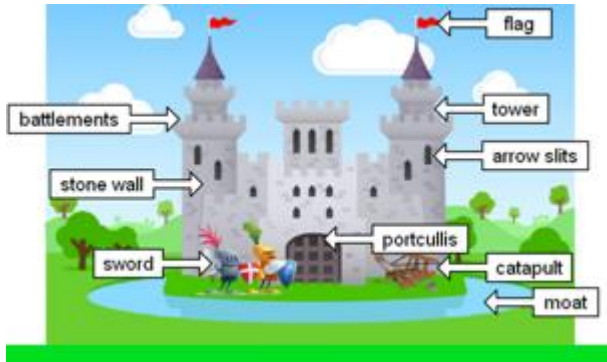


Year 3 Knowledge Organiser Structures – Castles



Key Knowledge

Features of a castle

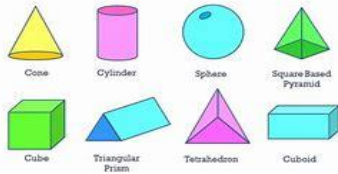


It is important to score card or paper when making a net. Scoring makes it easier to fold and helps improve the aesthetic of the finished product.



Key Knowledge

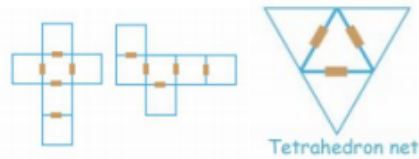
3D shapes



Nets

Some 3D shapes, like cubes and pyramids, can be opened or unfolded along their edges to create a flat shape. The unfolded shape is called the **net** of the solid.

Here are some 3D shapes and their nets.



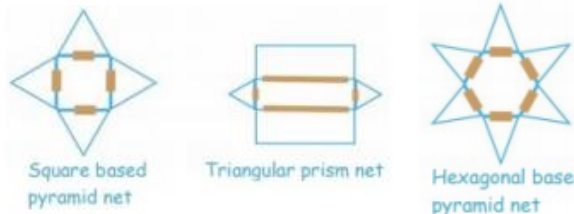
Nets for cubes

Tetrahedron net



Cuboid net

Hexagonal prism net



Square based pyramid net

Triangular prism net

Hexagonal based pyramid net

Vocabulary

- Face - a surface of a geometric shape.
- Net - the flat or opened-out shape of an object such as a box.
- Prism - a solid geometric shape with ends that are similar, equal and parallel.
- Vertex - used to refer to the corners of a solid geometric shape, where edges meet.
- Scoring - cutting a line or mark into sheet material to make it easier to fold.

Junk Modelling is when you use recycled materials to create new designs and structures. You can use lots of different materials, for example, plastic milk cartons, cardboard cereal boxes or aluminium tin cans.

