



### **Overview**

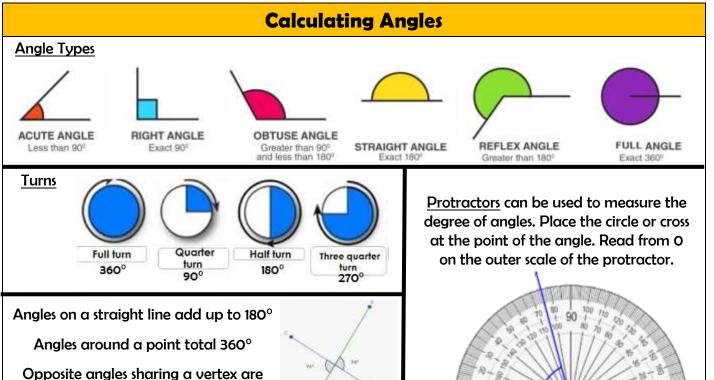




equal.

-Measure with a Protractor -Draw Lines and Angles Accurately									
-Calculate Angles -Angles in a Triangle -Draw Nets of 3-D Shapes									
Calculating Angles on a Straight Line/Around a Point -Draw Shapes									
-Angles in Special Quadrilaterals -Angles in Regular Polygons									
This learning is important because									

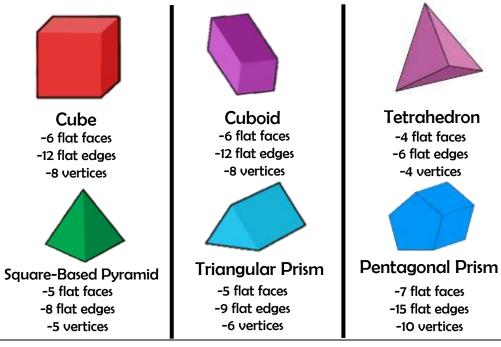
...it helps us to understand and organise the things that we see in the world around us. Shapes help us to describe the similarities and differences between objects.

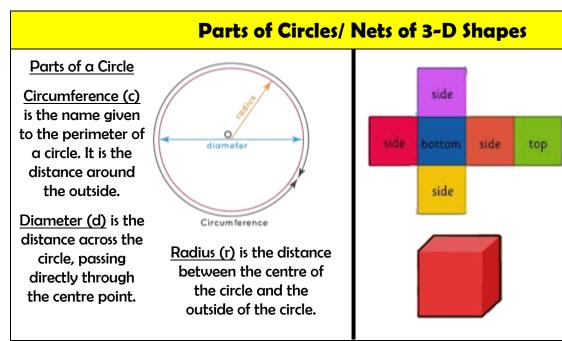


# **KNOWLEDGE ORGANISER**

## **Properties of 3-D Shapes**

3-D shapes have 3 dimensions: height, width and depth. They have faces, vertices and edges. A polyhedron is a 3-D shape with flat faces, e.g. a cube is a polyhedron, but a sphere is not.





						Key Vocabulary					
Edge	Apex	Faces	Vertices	Dimension	Protractor	Right Angle	Obtuse	Acute	Reflex	Vertical	Horizontal

### Year 6





**Hexagonal Prism** -8 flat faces -18 flat edges -12 vertices



**Octagonal Prism** 

-10 flat faces -24 flat edges -16 vertices

#### Nets of 3-D Shapes

Shape nets show what a 3-D shape would look like if it was opened out and laid flat.

You can draw and fold nets to make 3-D shapes. Shapes can have more than one possible net.

**Diagonal** Parallel

Perpendicular