

<u>Year 8 Knowledge Organiser</u> -

Shape and Measures

<u>Objectives</u>

Identify and apply circle definitions and properties, including: centre, radius, chord, diameter, circumperence

Calculate perimeters of 2D shapes, including circles.

Calculate areas of circles and composite shapes.

Know the formulae for: Pythagoras' theorem, $a^2 + b^2 = c^2$, and apply it to find lengths in right-angled triangles in two dimensional figures.

Calculate the volume of prisms and cylinders.

Interpret plans and elevations of 3D shapes.

