

Stage 8 Calculating Space

KEYWORDS

WHAT DO WE ALREADY *know?*

- Know how to use formulae to find the area of rectangles, parallelograms, triangles and trapezia
- Know how to find the area of compound shapes

THE
BIG
PICTURE

- Understand and apply the area and circumference formulas for circles.
- Calculate areas and perimeters of compound shapes involving parts of a circle.
- Be able to find the volume of any prism, including cylinders.

- Perimeter
- Area
- Volume
- Cylinder
- Compound
- Circumference
- Radius
- Diameter
- Sector
- Chord
- Segment

Calculating Space - Targets

	Before Topic	After Topic	Teacher Mark
Be able to label the parts of a circle.			
Be able to find area of a circle.			
Be able to find the circumference of a circle.			
Be able to find the area of part of a circle (such as a semi-circle, or quarter circle).			
Find the circumference of part of a circle (such as a semi-circle, or quarter circle).			
Be able to calculate the volume of a cylinder.			
Be able to calculate the volume of a right prism.			