

Stage 7 Investigating Properties of Shapes

WHAT DO WE ALREADY *know?*

- Know the names of common 3D shapes
- Know the meaning of face, edge, vertex
- Understand the principle of a net
- Know the names of special triangles
- Know the names of special quadrilaterals
- Know the meaning of parallel, perpendicular
- Know the notation for equal sides, parallel sides, right angles



- Investigate the properties of 3D shapes
- Explore quadrilaterals
- Explore triangles



- Face
- Edge
- Vertex (Vertices)
- Cube
- Cuboid
- Prism
- Cylinder
- Pyramid
- Cone
- Sphere
- Quadrilateral
- Square
- Rectangle
- Parallelogram
- Trapezium
- Kite
- Rhombus
- Delta
- Arrowhead
- Diagonal
- Perpendicular
- Parallel
- Triangle
- Scalene
- Right-angled
- Isosceles
- Equilateral

Investigating Shapes – Targets

	Before Topic	After Topic	Teacher Mark
Know the connection between faces, edges and vertices in 3D shapes			
Recognise and use nets of 3D shapes			
Know and solve problems using the properties and definitions of triangles and special types of quadrilaterals (including diagonals)			
Know and solve problems using the properties of other plane figures			