Identifying Shapes and their Properties
R
Y 1
Y 2
Y 3
Y 4
Y 5
Y 6

- Develop an awareness of relationships between shapes (e.g.) spot shapes within shapes
- Describe properties of shapes.
- Show an awareness of properties of shapes (e.g.) Using cylinders for wheels as they can roll.
- Shape awareness: developing shape awareness through construction.
- recognise and name common 2-D and 3-Dshapes, including:
* 2-D shapes [e.g. rectangles (includingsquares), circles andtriangles]
* 3-D shapes [e.g. cuboids (including cubes), pyramids andspheres].
- identify and describe the properties of 2-D shapes, including the number of sides and line symmetry ina vertical line
- identify and describe theproperties of 3-D shapes, including the number of edges, vertices and faces
- identify 2-D shapes on thesurface of 3-D shapes, [forexample, a circle on a cylinder and a triangle on a pyramid]
- identify and describe the properties of 2-D shapes, including the number of sides and line symmetry ina vertical line (Consolidation from Year 2)
- identify and describe theproperties of 3-D shapes, including the number of edges, vertices and faces(Consolidation from Year2)
- identify 2-D shapes on thesurface of 3-D shapes, [forexample, a circle on a cylinder and a triangle on a pyramid] (Consolidation from Year 2)
- identify lines of symmetry(vertical, horizontal, diagonal) in 2-D shapes presented in different orientations
- identify 3-D shapes, including cubes and othercuboids, from 2-D representations
- recognise, describe and build simple 3-D shapes,including making nets - draw and make (appears also in Drawing and constructing)
- illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius


## Progression in Geometry: Properties of Shapes

| R | Drawing and Construction |
| :---: | :--- |
| Y1 |  |
| Y2 | - draw 2-D shapes and make 3-D shapes using modelling materials; <br> recognise 3-D shapes in different orientations anddescribe them (Nets <br> made only) |
| Y3 | - complete a simple symmetric figure with respect to a specific line of <br> symmetry |
| Y5 | • draw given angles, and measure them in degrees ( ${ }^{\circ}$ ) |
| Y6 | - draw 2-D shapes usinggiven dimensions and angles <br> - recognise, describe and build simple 3-D shapes, including making nets - <br> draw and make (appears also in Identifying Shapes and Their Properties) |

## Progression in Geometry: Properties of Shapes

| Angles |  |
| :---: | :---: |
| R |  |
| Y1 |  |
| Y2 |  |
| Y3 | - recognise angles as a property of shape or adescription of a turn <br> - identify right angles, recognise that two right angles make a half-turn, three make three quartersof a turn and four a complete turn; identify whether angles are greater than or less than aright angle <br> - identify horizontal and vertical lines and pairs of perpendicular and parallellines |
| Y4 | - recognise angles as a property of shape or a description of a turn (Consolidation from Year 3) <br> - identify acute and obtuseangles and compare and order angles up to two right angles by size |
| Y5 | - know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles <br> - Identify: <br> * angles at a point andone whole turn (total $360^{\circ}$ ) <br> * angles at a point on astraight line and $1 / 22$ a turn (total 180 ) <br> * other multiples of $90^{\circ}$ |
| Y6 | - recognise angles where they meet at a point, areon a straight line, or are vertically opposite, and find missing angles |

