



| | IDENTIFYING SHAPES AND THIER PROPERTIES | | | | | | | |
|--------------------|---|----------------------|----------------------|---------------------|----------------------|---------------------|--|--|
| Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | | |
| (40-60 Months) | recognise and | identify and | identify and | identify lines of | identify 3-D shapes, | recognise, | | |
| select, rotate | name common | describe the | describe the | symmetry(vertical, | including cubes and | describe and build | | |
| and manipulate | 2-D and 3-D | properties of 2-D | properties of 2-D | horizontal, | othercuboids, from | simple 3-D | | |
| shapes to | shapes, | shapes, including | shapes, including | diagonal) in 2-D | 2-D representations | shapes, including | | |
| develop spatial | including: | the number of sides | the number of sides | shapes presented in | | making nets – | | |
| reasoning skills. | * 2-D shapes | and line symmetry | and line symmetry | different | | draw and make | | |
| | [e.g. | ina vertical line | ina vertical line | orientations | | (appears also in | | |
| (40-60 Months) | rectangles | | (Consolidation from | | | Drawing and | | |
| Compose and | (including | | Year 2) | | | Constructing) | | |
| decompose | squares), | identify and | identify and | | | illustrate and name | | |
| shapes so that | circles and | describe the | describe the | | | parts of circles, | | |
| children | triangles] | properties of 3-D | properties of 3-D | | | including radius, | | |
| recognise a | * 3-D shapes | shapes, including | shapes,including | | | diameter and | | |
| shape can have | [e.g. cuboids | the number of | the number of | | | circumference and | | |
| other shapes | (including | edges, vertices and | edges, vertices and | | | know that the | | |
| within it, just as | cubes), | faces | faces | | | diameter is twice | | |
| numbers can. | pyramids and | | (Consolidation | | | the radius | | |
| | spheres]. | | from Year2) | | | | | |
| | | identify 2-D shapes | identify 2-D shapes | | | | | |
| Develop an | | on thesurface of 3- | on thesurface of 3- | | | | | |
| awareness of | | D shapes, [for | D shapes, [for | | | | | |
| relationships | | example, a circle on | example, a circle on | | | | | |
| between shapes | | a cylinder and a | a cylinder and a | | | | | |
| (e.g.) spot | | triangle on a | triangle on a | | | | | |
| shapes within | | pyramid] | pyramid] | | | | | |
| shapes | | | (Consolidation | | | | | |
| | | | from Year2) | | | | | |
| Describe | | | | | | | | |









| DRAWING AND CONSTRUCTING | | | | | | | |
|---|--------|---|---|--|---|--|--|
| Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | |
| (40 – 60 months) Continue, copy ad create repeating patterns. | | | draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations anddescribe them (Nets made only) | complete a simple symmetric figure with respect to a specific line of symmetry | draw given angles, and measure them in degrees () | draw 2-D shapes usinggiven dimensions and angles recognise, describe and build simple 3-D shapes,including making nets – draw and make (appears also in Identifying Shapes and Their Properties) | |
| | | CO | MPARING AND CLASSIF | YING | | | |
| | | compare and sort common 2- D and 3-D shapes and everyday objects | | compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes | use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal | compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regularpolygons | |





| ANGLES | | | | | | | |
|--------|--------|---|---|---|---|--|--|
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | | |
| | | recognise angles as | recognise angles as a | know angles are | | | |
| | | a property of shape | property of shape or a | measured in degrees: | | | |
| | | or adescription of a | description of a turn | estimate and | | | |
| | | turn | (Consolidation from | compare acute, | | | |
| | | | Year 3) | obtuse and reflex angles | | | |
| | | identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than aright angle | identify acute and obtuseangles and compare and order angles up to two right angles by size | identify: * angles at a point andone whole turn (total 0 360) * angles at a point on astraight line and ½ a 0 turn (total 180) * other multiples of 90 | recognise angles where they meet at a point, areon a straight line, or are vertically opposite, and find missing angles | | |
| | | identify horizontal and vertical lines and pairs of perpendicular and parallellines | | | | | |