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| **Learners are able to:**  | **Nursery** * **Recognise and use the names for 2D shapes (*circle, square, triangle*) within play activities and the environment**
* **Use and build with 2D and 3D shapes within play-based activities**
* **Use a variety of media to develop concept of symmetry**
 | **Reception** * **Recognise and name common 2D shapes (*circle, square, triangle and rectangle*) and some 3D shapes (*cube, cuboid and sphere*) within play activities and the environment**
* **Use 2D and 3D shapes to make models and pictures**
* **Complete a simple symmetrical picture through a variety of media**
 | **Year 1*** **Recognise and name common 2D shapes (*square, triangle, rectangle, circle and semi-circle*) and 3D shapes (*cube, cuboid, cone and sphere*) in order to begin to compare and sort**
* **Use 2D and 3D shapes and describe how they fit together**
* **Recognise and complete a symmetrical picture or simple shape**
 | **Year 2*** **Recognise and name regular and irregular 2D and 3D shapes, understand and use the properties of shape**
* **Make increasingly more complex or accurate models with 3D shapes and tessellate 2D shapes**
* **Identify a line of symmetry for 2D shapes and complete symmetrical pictures**
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| **Use geometry skills** **Shape** **Structure** **Movement**  | **2D and 3D shapes** * Free play and building activities using various shapes
* Direct matching
* Match the same shape but of a different size
* Classify shapes – one criterion
* Identify 2D and 3D shapes in the environment/around the school
* Feel shapes and guess which shape is similar
* See part of a shape and guess which shape is similar
* Which shapes are 2D and which shapes are 3D?
* Are they hollow or solid? Do they roll?
* Straight and curved sides
* Name 2D shapes *e.g. square, circle, rectangle, triangle*
* Where is the \_\_\_?
* What is this shape?
* Colour the triangle yellow
* Name 3D shapes *e.g. cube, cuboid, cylinder, sphere, cone*
* Where is the \_\_\_?
* What is this shape?
* Which has a square face?
* Colour the cube yellow
* Sort shapes – criteria
* Match a picture to a 3D shape
* Sequence of 2D and 3D shapes
* Tile patterns – rotate to make a pattern

**Symmetry** * Use computer software / paper folding and painting to make symmetrical pictures
* Complete a simple shape around a vertical line
* Cut folded paper and open out to make symmetrical patterns
 | **2D and 3D shapes** * Make pictures using 2D shapes
* Look at the characteristics of 2D shapes
* Sort 2D and 3D shapes
* Follow the pattern of shapes
* Use stencils to make shape pictures
* Sketch and draw 2D shapes on various types of paper
* Use geostrips to make shapes with particular characteristics
* Link dots to make shapes and use pinboards and elastic bands
* Sort 2D shapes according to characteristics – more than one criterion. Venn and Carroll diagram
* Match objects to a picture of a 3D shape
* Look at and describe the characteristics of 3D shapes. How many vertices, edges, faces?
* Make models with various 3D shapes/blocks
* Sort 3D shapes according to characteristics – more than one criterion. Venn and Carroll diagram
* Use straw, pipe cleaners, multilinks to make skeleton 3D shapes
* Introduce pentagon, hexagon, octagon, triangles and various quadrilaterals
* How many sides, length of sides, curved/straight lines, corners/angles
* Yes/No questions to guess shapes
* Shape patterns by rotating ½ turn
* Match regular and irregular shapes (how many sides)
* Visualize 2D and 3D shapes
* Classify shapes – clues. I’m thinking of a shape…
* Arrange matches to make shapes
* Find a solid shape with at least one face that corresponds to a picture/outline of a 2D shape
* Nets of 3D shapes – Clixi, Polydron, cardboard. Open out boxes to see the net
* Use cubes to make one/two layer solids from pictures
* Combine or fold 2D shapes to make new shapes
* Tessellation – which shapes tessellate?

**Symmetry**   Symmetry of 2D shapes and others * Experiment with mirrors, mosaics, geoboards, dotted/squared paper
* Identify and draw a line of symmetry
* Symmetrical patterns – peg boards
* Big letters – symmetry
* Folding paper to make symmetrical patterns
* Complete a shape around a line to make it symmetrical
* Complete/reflect symmetrical patterns on dotted/squared paper
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