

Geometry and shape at Cupernham Infant School

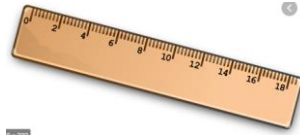
Key vocabulary

- Vertices
- Edge
- Face
- Corner
- Symmetry
- Turn
- Whole, half, quarter, three quarter.

BIG IDEA

Children must develop the vocabulary to describe shapes and not just to recognise the routine shapes. Children must know the properties of shapes to recognise more unfamiliar shapes.

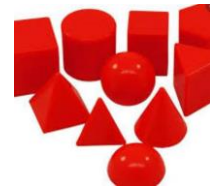
Resources the children use in school.



Rulers



2D plastic shape



3D plastic shapes.

What the children will learn in Year 1

- Recognise and name common 2D and 3D shapes.
- Describe position, movement and direction including whole, half and quarter turns.

What the children will learn in Year 2

- Identify and name 2D and 3D shapes including vertical lines of symmetry.
- Describe 3D shapes using vertices, edges and faces.
- Identify 2D shapes on 3D shapes e.g. a circle is a face of a cylinder.
- Sort common 2D and 3D shapes.
- Order mathematical shapes into patterns and sequences.

Please see the 'Learning Support-Maths' videos section of our website to see how this looks to the children.

Some ideas to support learning at home.

Go on a shape hunt around the house for 2D and 3D shapes.

Talk about how shapes of items are similar and different. You could count sides or vertices.

Create a tally chart of how many of each shape you can see in your house or outside.

Get outside and see if you can make any shapes with sticks.

Websites to visit for interactive games:

<https://www.topmarks.co.uk/Search.aspx?q=2d%20shapes>

<https://www.bbc.co.uk/bitesize/topics/zjv39j6>

<https://www.topmarks.co.uk/maths-games/5-7-years/shapes>