

Space and 3D Shape

Maths

Year 3

Lesson 4 of 5

Learning Objective		Resources
To be able to identify and describe 3D shapes according to their properties.		Slides 3D shapes Worksheet 4A/4B/4C Shape Description sheets (FSD? activity only) Picture Sheet (FSD? activity only)
Teaching Input		
<ul style="list-style-type: none"> How many 3D shapes can you remember? Children to think, pair, share their ideas. Go through the slides showing various 3D shapes. What shape is this? What are this shape's properties? Children to list as many properties as they can on their mini-whiteboards then go through the description on the slides. Were you correct? Repeat for each different shape. 		
Main Activity		
<u>Lower ability:</u> On worksheet 4A, children to find examples of cubes, cuboids and spheres around the classroom or around the school.	<u>Middle ability:</u> On worksheet 4B, children to write down the properties of each shape and then find examples of each around the classroom or around the school.	<u>Higher ability:</u> On worksheet 4C, children to write down the properties of each shape and then find examples of each around the classroom or around the school.
Fancy something different...?		
<ul style="list-style-type: none"> Tell children that today they will be creating a presentation about 3D shapes, their properties and examples of 3D shapes. This can be done as a multimedia presentation so that each different page of the presentation has one particular shape (e.g. a sphere), its properties and some examples of spheres in everyday life (e.g. balls, planets, etc.). Alternatively, children could create a book on 3D shapes in groups and complete a page on each shape either from scratch or using the Shape Description sheets. Provide lower ability children with the Picture Sheet for ideas on examples of shapes in everyday life. When finished, children to present their work to the rest of the class. 		
Plenary	Assessment Questions	
Show children the sets of objects on the slides. What kinds of 3D shapes are these objects? Can you sort them into groups? Give children some time to discuss their ideas and then check the groups on the slides.	<ul style="list-style-type: none"> Can the children name basic 3D shapes? Can they describe 3D shapes by their properties? Can they identify 3D shapes around them? 	