

# GEOMETRY AND ART

## Teaching notes

### Lesson 2: SOLID SHAPES

<b>9<sup>th</sup> session: 3-D shapes around us</b>	
<b>AIMS</b>	<ul style="list-style-type: none"> <li>• To name solid and flat shapes and select a particular 2-D or 3-D shape.</li> <li>• To identify shapes in the surrounding environment.</li> <li>• To classify objects according to their shapes.</li> <li>• To work in groups.</li> </ul>
<b>RESOURCES</b>	<ul style="list-style-type: none"> <li>- A computer and a data projector for the power point presentation.</li> <li>- A selection of solid shapes.</li> <li>- Supplementary material: (<a href="#">solid_flat_shapes.ppt</a>) (<a href="#">solid_shapes_around_us.ppt</a>)</li> </ul>
<b>GROUPING</b>	- Half group.
<b>DESCRIPTION OF THE ACTIVITIES</b>	<p><b>1<sup>st</sup> activity:</b>  <b>Choose between two!</b> (<a href="#">solid_flat_shapes.ppt</a>)            Watch the power point presentation to revisit all the names of solid shapes and their properties. Show slides 1 to 10 to review the vocabulary by choosing between two names for each shape.            Show slides 11 to 15 to revisit the features of each shape. After the name of each shape appears, the teacher asks the following questions:            - What are the shapes of the faces?            Notice that the normal definitions of faces are not appropriate for the cone and the sphere.</p>

	<p><b>2<sup>nd</sup> activity:</b>  <b>I spy with my little eye</b> (solid_shapes_around_us.ppt)  Teacher holds up a shape and asks pupils to look for things the same shape in the classroom. "I spy with my little eye a shape like this". After looking for a few shapes, watch the power point presentation and recognize the shapes that are shown.</p> <p><b>3<sup>rd</sup> activity:</b>  <b>Let's make a display with solid shapes!</b>  Look for things in the classroom, magazines, newspapers, catalogues, pictures etc.. that are solid shapes. Classify them according to their shape in a big display. Ask pupils to look for more objects at home and add them to the display according to the classification.</p>
<b>LANGUAGE</b>	<p><i>Key vocabulary:</i></p> <ul style="list-style-type: none"> <li>- Cube, cuboid, cylinder, sphere, cone and pyramid.</li> <li>- Square, triangle, circle and rectangle.</li> <li>- Newspapers, magazines, catalogues, pictures.</li> <li>- Scissors, glue and display paper.</li> </ul> <p><i>key phrases needed:</i></p> <ul style="list-style-type: none"> <li>- What are the shapes of the faces?.</li> <li>- I spy with my little eye a shape like this (the answers to this sentence by pupils will be in L1 and teacher will say the name in English).</li> <li>- What shape is this? It's a ....</li> <li>- What shape do you recognize?</li> </ul>
<b>SKILLS</b>	Listening, speaking and classifying.