

# GEOMETRY AND ART

## Teaching notes

### Lesson 2: SOLID SHAPES

<b>10<sup>th</sup> session: Sorting 3-D shapes</b>	
<b>AIMS</b>	<ul style="list-style-type: none"> <li>● To name solid shapes.</li> <li>● To sort and classify shapes.</li> <li>● To match families of 3-D shapes.</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 (3- D plastic shapes and shapes brought from home).</li> <li>- Hoops and labels for classification criteria.</li> <li>- Worksheet, scissors and glue sticks.</li> <li>- Supplementary material:  <a href="#">(labels_classification_rolling.pdf)</a>  <a href="#">(worksheet_classification.pdf)</a> </li> </ul>
<b>GROUPING</b>	- Half group.
<b>DESCRIPTION OF THE ACTIVITIES</b>	<p><b>1<sup>st</sup> activity: Game: 'Guess the shape'</b></p> <p>The teacher holds a feely bag and puts each shape in the bag asking the children the name of the shape. Then, a child puts his/her hand in the bag and guesses the name of the shape by handling it. As each shape is correctly named, it is taken out of the bag and put inside a hoop. Once all the shapes are out, children are invited to put the objects they brought from home into the other hoop. The teacher picks out a shape and asks a child to choose a similar shape from the other hoop until all the shapes have been matched.</p>

	<p><b>2<sup>nd</sup> activity:</b>  <a href="#">Will it roll? (labels_classification_rolling.pdf)</a>          First, the teacher explains the meaning of 'rolling' by making some cylinders roll (you may ask children to imitate the cylinder's movement). Then, he/she tests if the other shapes can do the same. After testing all the shapes, the teacher puts the 2 labels (shapes that roll, shapes that do not roll) inside the hoops and asks a child to come and put each shape in the correct place. Once everything is classified, the teacher helps the pupils to find similarities and differences between the shapes that roll and the ones that do not roll.          E.g.          - What is the name of this shape?          - Does it roll?          - Has it got curved faces or flat faces?          Finally, the pupils complete the worksheet.  <a href="#">(worksheet_classification.pdf)</a></p>
<b>LANGUAGE</b>	<p><i>Key vocabulary:</i>          - Cube, cuboid, cylinder, sphere, cone and pyramid.          - Scissors, glue and worksheet.  <i>key phrases needed:</i>          - Shapes that roll and shapes that do not roll.          - What is the name of this shape?          - Does it roll?          - Has it got curved faces or flat faces?</p>
<b>SKILLS</b>	Listening ,speaking and classifying.