

GEOMETRY AND ART

Teaching notes

Lesson 1: FLAT SHAPES

2nd session: Properties of shapes.	
AIMS	<ul style="list-style-type: none"> ● To review the vocabulary related to standard flat shapes. ● To begin to identify some features in the shapes. ● To learn about the properties of shapes by using them in a composition. ● To talk about, recognise and describe standard flat shapes. ● To work in groups.
RESOURCES	<ul style="list-style-type: none"> - A computer and a data projector for the power point presentation. - A smart board. - A feely bag. - Pattern blocks or similar sets of shapes and black A4 card. - A camera. - Supplementary material: (standard_flat_shapes.ppt) (name_sort_2d_shapes_smartboard) (paper_cut_shapes.pdf)
GROUPING	<p>Half of the class. Paired work.</p>
DESCRIPTION OF THE ACTIVITIES	<p>1st activity: Which shape is it? (standard_flat_shapes.ppt) Start the lesson by watching the power point presentation of the standard flat shapes again (avoiding slides 1-6). Then, the teacher takes out all the shapes from a bag one by one, says the name and talks about 3 features: colour, sides and corners.</p>

	<p>E.g.</p> <ul style="list-style-type: none"> - What shape is it? It's a..... - What colour is it? It's - How many sides has it got?..... - How many corners has it got?..... <p>2nd activity: Let's classify shapes! (name_sort_2d_shapes_smartboard)</p> <p>Children are asked to come to the smart board to do the activities of naming and classifying shapes according to their different features: colour, corners and sides. While the children are classifying, the teacher asks them again the questions in the previous activity:</p> <ul style="list-style-type: none"> - What shape is it? It's a..... - What colour is it? It's - How many sides has it got?..... - How many corners has it got?..... <p>3rd activity: Make a beautiful design! (paper_cut_shapes.pdf)</p> <p>Working in pairs, ask the children to combine shapes to make an abstract design. The productions can be done either with plastic shapes or paper cut coloured shapes (in this case you need to glue them). Take photographs of the designs when completed. Project the pictures on the screen and ask each child to talk about the shapes they used.</p>
<p>LANGUAGE</p>	<p><i>Key vocabulary:</i></p> <ul style="list-style-type: none"> - Circle, triangle, square, rectangle, pentagon and hexagon. - Sides and corners. <p><i>Key phrases needed:</i></p> <ul style="list-style-type: none"> - What shape is it? It's a..... - What colour is it? It's - How many sides has it got?..... - How many corners has it got?.....
<p>SKILLS</p>	<p>Speaking, listening and creativity.</p>