



# OUTDOOR LESSON PLAN



<i>School</i>	School Nr. 4 Suceava
<i>Subject</i>	Math in our day to day lives
<i>Topic/Theme</i>	Elements of Geometry
<i>Timeframe</i>	<b>2 hours</b>
<i>Level</i>	Preschool
<i>Activity</i>	<b>Finding math in unexpected places</b>
<i>Objectives</i>	<ol style="list-style-type: none"> <li>1. Exploring of geometrical characteristics found in some objects situated nearby;</li> <li>2. Creating hypothetical problems, starting from their life experience;</li> <li>3. Solving some practical problems ;</li> </ol>
<i>Material Media Resources needed</i>	Camera, blank pages, crayons, albums
<i>Description/ Step-by-step procedure</i>	<p><b>1. Symmetry - a pretext for a walk...</b></p> <p>We take a walk through the woods and look for axes of symmetry of those we encounter.</p> <p>We ask students to find objects that show symmetry reflected in nature. Examples include people, plants, animals and astronomical objects.</p> <p>Example: The leaves have beautiful, bilateral symmetry, meaning there is a line of symmetry in the middle.</p> <p><b>2. Architecture</b></p> <p>We visit the city and discover where the geometry hides: Rectangles in windows, circles in sculptures, mosaic patterns in sidewalks and repetitive patterns in the hedge...</p>

	Geometry is an essential part of any neighborhood.
	<p>In the park, the observations they make are used as follows:</p> <ol style="list-style-type: none"> <li>1. The symmetry axis is used by small schoolchildren to make little statues (houses, animals, butterflies, plants, etc.), then they create various collages that reproduce aspects of day to day life. Students can make a collage of images with the symmetry lines drawn on the images.</li> <li>2. Younger students can make drawings with the geometrical shapes found or take photos of their findings and place them on their panel.</li> </ol>
<i>Students' work examples</i>	Pictures, drawings, collages