

Lesson plan

Match the solids


Short description of the activity	<ul style="list-style-type: none"> ➤ Learning about solids ➤ Sorting objects by shape ➤ Counting to 10
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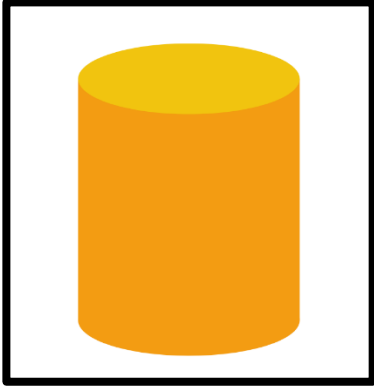

Level of difficulty	Level 1 (4-5)
Duration of the activity	15 minutes
Number of participants	Individual activity (or in pair)
Inventory of the hands-on exhibit	<ul style="list-style-type: none"> - 6 different solids (3D modeling) - 24 laminated cards

Skills required of children	<ul style="list-style-type: none"> - The child is able to express the fact that these solids have different numbers of faces. - The child is able to compare the shapes of the solids with everyday life objects. - The child knows how to catch the objects (here the solids and cards). - The child can position objects next to each other. - The child is able to describe what they see and compare.
Skills worked on	<ul style="list-style-type: none"> - The child compares the objects. - The child learns to classify objects according to criteria, here the difference of faces and shape in solids. - The child connects the shapes of solids with the shapes of objects they may encounter in their daily life.

Instruction and description of the activity, step by step

<p>Instruction</p>	<p>First arrange the solids in a straight line. Touch and process them for a while. Then, count the numbers of faces of the solid and place the right cards under each one, first images of objects of everyday life and then numbers corresponding to the faces.</p>
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Step by step	Description	Illustration
<p>Step 1</p>	<p><u>Making the material :</u></p> <ul style="list-style-type: none"> ➤ Duration: variable according to the 3D printer. - 10 hours approximately to print the 6 solids. - 1 hour to print, cut, and laminate the 24 cards. <p><u>Material preparation:</u></p> <ul style="list-style-type: none"> - Prepare the 6 geometric solids - 24 Laminated cards. 	
<p>Step 2</p>	<p><u>Conduct the activity:</u></p> <ul style="list-style-type: none"> - Put the 6 solids on the table at the learner's disposal. - Ask the learner if they can describe the material in front of them. Also, ask if they know what a face of a solid is. 	 <p>Image from Pixabay</p>

<p>Step 3</p>	<ul style="list-style-type: none"> - Explain to the children what the faces of the solids are and teach them how to count the faces. 	
<p>Step 4</p>	<ul style="list-style-type: none"> - The child has cards with the images of the solid to match and the numbers that correspond to the faces. 	
<p>Step 5</p>	<ul style="list-style-type: none"> - Help them to count the faces of the solid and encourage them to compare the cards of objects of everyday life to the solids in front of them. 	
<p>Solution</p>	<ul style="list-style-type: none"> - Check with the children the work 	

	done and discuss with them on their findings	
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To go further	Encourage the child to match the solids to the objects in the room where the activity takes place.	
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Resources	https://www.teacherspayteachers.com/Browse/Search:solid%20shape%20matching https://www.pinterest.com/pin/220535712982858971/ https://www.pinterest.com/pin/809310995551432661/?mt=login	
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