



Lesson plan

Find your other half

Learning about axial symmetry. Solve this problem by
sorting and classifying the shape halves and then
reconstructing the shapes using the axis of symmetry.

Level of difficulty	Level 2 (6 – 7 years old)
Duration of the activity	10 minutes
Number of participants	Individual
Inventory of the hands-on exhibit	-3D printed shapes (cut in half) -Lines of Symmetry Worksheet (laminated)

Skills required of children	- The child knows how to catch objects (the half pieces).
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	 Children can position those objects next to each other and form an entire element. The child can recognize different shapes.
Skills worked on	 The child grasps the meaning of symmetry The child understands the concepts and vocabulary of symmetry and experiment with symmetry art

Instruction and description of the activity, step by step

Instruction	
	Try to find the other half of the given shape, creating the entire object.

Step by step	Description	Illustration
Step 1	- Making the material:	
	 Duration: variable according to the 3D printer. -3 hours approximately to print the 6 half pieces. 	
	 Material preparation: I hour to prepare the workshop sheets for printing, cutting, and laminating 	

Step 2	Conduct the activity: - Put the 3D- printed half pieces on the table at the students' disposal.	
Step 3	- Teachers can ask students "Can you describe what shapes you recognize on the table and how you imagine their other half shapes?"	
Step 4	- The teacher asks students to find the correct halves and put them in the right place on the worksheet.	
Solution	- The child has observed the shapes and discussed with teachers the	

	meaning and axis of symmetry.	
To go further	- Some ideas for different shapes and materials to explore other types of symmetry.	

Resources	https://www.topmarks.co.uk/symmetry/symmetry-	
	<u>matching</u>	