

recrea**MATHS**

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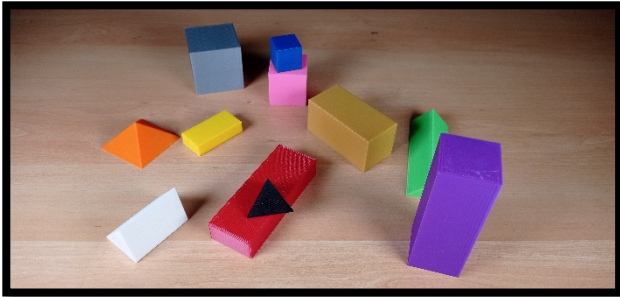
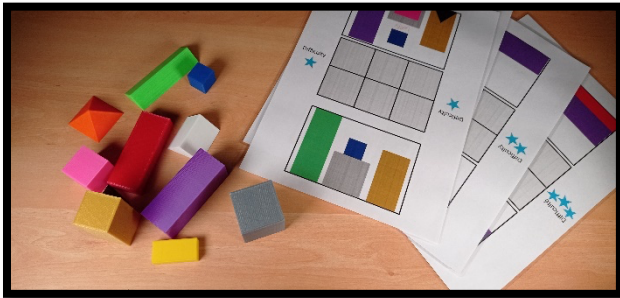
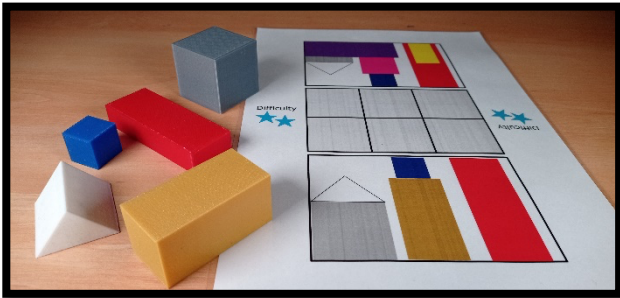
Worksheet

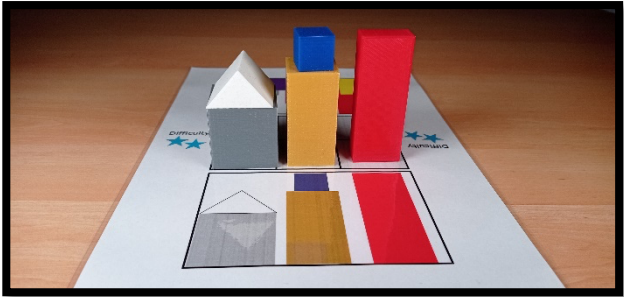
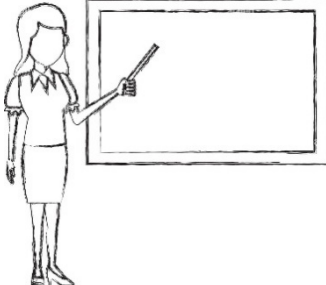
« The shapes building »

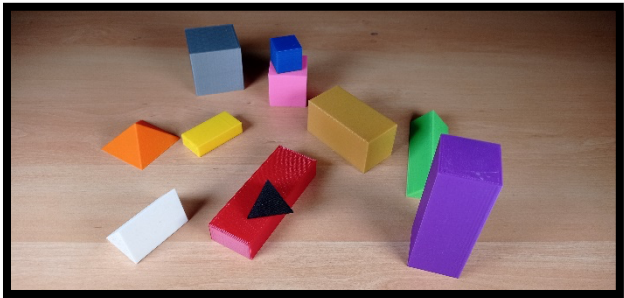
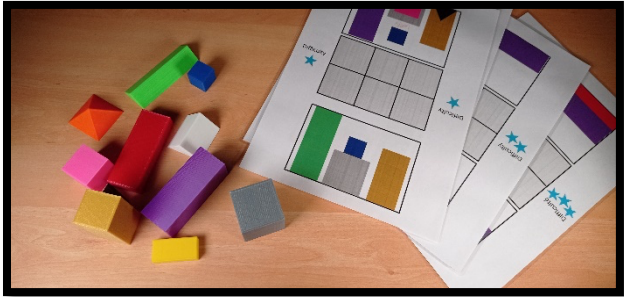
Level of difficulty	Level 2
Duration of the activity	15 minutes
Number of participants	Individual or in pairs
Mathematical concept	<ul style="list-style-type: none">- Organising shapes in space- Locate objects in relation to each other in space.- Solve a problem using geometric shapes- Observe objects from different angles.
Inventory of the hands-on exhibit	<ul style="list-style-type: none">- 5 challenge sheets, each with a different level of difficulty- 11 solids « polyhedra » (3D printed)

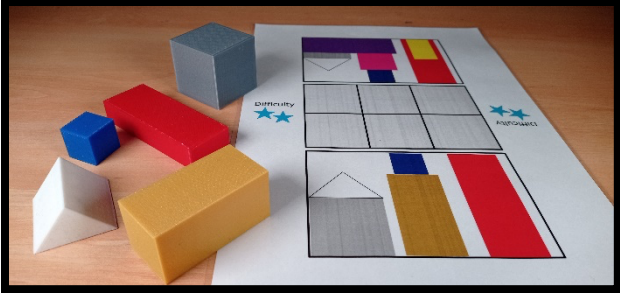
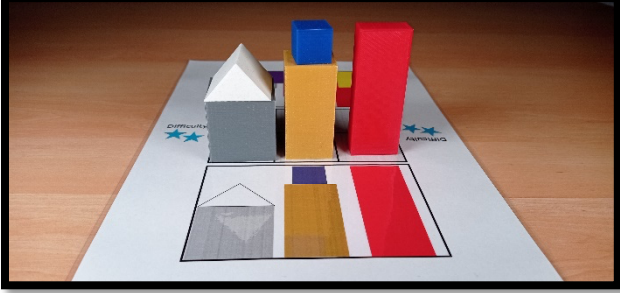
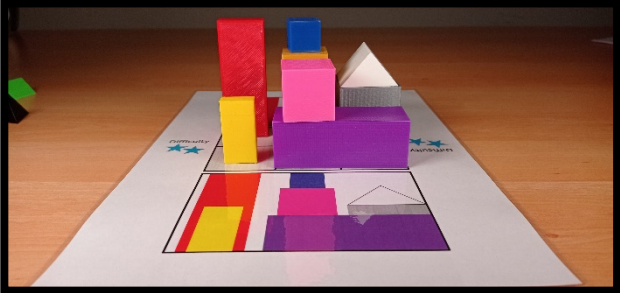
Instruction and description of the activity, step by step

<p>Instruction</p>	<p>Look at the plane shapes shown on the challenge sheet.</p> <p>- Place the solids (polyhedra) on the grid to reproduce the design.</p>
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Step by step	Description	Illustration
Individually		
<p>Step 1</p>	<ul style="list-style-type: none"> - Touch and experiment freely with the solids 	
<p>Step 2</p>	<ul style="list-style-type: none"> - Look at the challenge sheet and understand the drawings and the different views. 	
<p>Step 3</p>	<ul style="list-style-type: none"> - Choose the shapes needed for assembly. 	

<p>Step 4</p>	<ul style="list-style-type: none"> - Position the solids (polyhedra) on the grid to make the first plane. 	
<p>Final step</p>	<ul style="list-style-type: none"> - Checking by the teacher. 	

Step by step	Description	Illustration
In Pairs		
<p>Step 1.a</p>	<ul style="list-style-type: none"> - Touch and experiment freely with the solids. 	
<p>Step 2.a</p>	<ul style="list-style-type: none"> - Look at the challenge sheet and understand the drawings and the different views. 	

<p>Step 3.a</p>	<ul style="list-style-type: none"> - Choose the shapes needed for assembly. 	
<p>Step 4.a</p>	<ul style="list-style-type: none"> - Position the solids (polyhedra) on the grid to make the first plane. 	
<p>Step 5.a</p>	<ul style="list-style-type: none"> - Turn the challenge sheet to complete the assembly. 	
<p>Final step.a</p>	<ul style="list-style-type: none"> - Turn the challenge sheet to check your classmate's position 	