

Lesson plan

Build your City

Short description of the activity	Number recognition from 1 to 10.
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Level of difficulty	Level 1
Duration of the activity	10 minutes Children can spend more time there if they are motivated.
Number of participants	Individual or Pair activity
Inventory of the hands-on exhibit	<ul style="list-style-type: none"> - "Build a City" Template provided - 30 Building blocks - Small 3D Printed Numbers from 1 to 10


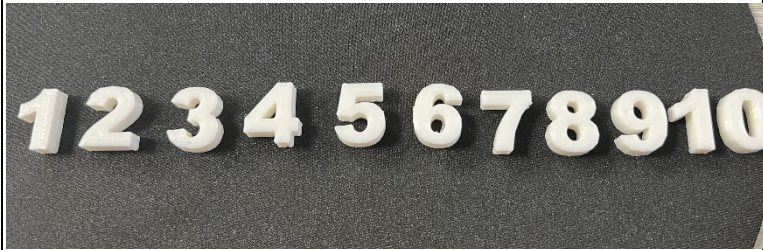
Skills required of children	<ul style="list-style-type: none"> - The child knows how to catch the objects, in this case the blocks - The child can position objects one on another and one next to another - The child is able to describe what he/she sees
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Skills worked on	<ul style="list-style-type: none"> - The child identifies the numbers and learns to count. - The child learns to classify objects according to a criterion, here the difference in the number of blocks.
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Instruction and description of the activity, step by step

Instruction	Build small towers according to the number indicated and place them on the corresponding box.
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Step by step	Description	Illustration
Step 1	<p><u>Making the material:</u></p> <ul style="list-style-type: none"> ➤ Duration: variable according to the 3D printer. - 10 hours to 3D print the building blocks - 5 hours to 3D print the numbers from 1 to 10 <p><u>Material Preparation:</u></p> <ul style="list-style-type: none"> - Prepare the "Build your city" template 	

	<ul style="list-style-type: none"> - Prepare the building blocks - Prepare the small numbers 	 
<p>Step 2</p>	<p><u>Conduct the activity:</u></p> <ul style="list-style-type: none"> - Ask pupils to say the numbers and show them. Ask children to explain what the blocks can be used for. 	
<p>Step 4</p>	<ul style="list-style-type: none"> - Ask pupils to build the towers corresponding to each number, then place them in the right boxes 	

<p>Solution</p>	<ul style="list-style-type: none"> - Pupils have created a city according to the number of blocks they have put together. 	
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<p>To go further</p>	<p><u>For level 1:</u></p> <ul style="list-style-type: none"> - Build the city in ascending or descending order <p><u>For level 2:</u></p> <ul style="list-style-type: none"> - Build a city only with tens, assuming that 1 block = 10 units - Build a city with the result of an addition or subtraction 	
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<p>Resources</p>	<p>https://cintaandco.com/2020/08/17/build-a-city/</p>
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