

## Leonardo Da Vinci bridge

Name of the object and creator	Leonardo Da Vinci bridge by Logopsycom				
Recommended ages	8-12 years				
Thematic areas combined (STEAM)	Sciences	Technology	Engineering	Arts	Mathematics
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Materials needed	<ul style="list-style-type: none"> <li>18 (or more) Popsicle sticks</li> </ul>				
Outline of the steps	<ol style="list-style-type: none"> <li>3 sticks</li> <li>Add stick 4</li> <li>Add sticks 5 and 6</li> <li>Add stick 7</li> <li>Add sticks 8 and 9</li> <li>Add sticks 10 and 11</li> <li>Add stick 12</li> <li>Add sticks 13 and 14</li> <li>Add stick 15</li> <li>Add sticks 16 and 17</li> <li>Test it !</li> </ol>				
References	<ul style="list-style-type: none"> <li>Maker Studio. (s. d.). Da Vinci Popsicle Stick Bridge. Instructables. Consulté 12 mai 2023, à l'adresse</li> </ul>				

	<p><a href="https://www.instructables.com/Da-Vinci-Popsicle-Stick-Bridge/">https://www.instructables.com/Da-Vinci-Popsicle-Stick-Bridge/</a></p>
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## STEP BY STEP: How to build a Da Vinci Popsicle Stick Bridg

Step 1: 3 sticks

Estimated time: 1 minute

- Gather the material.



- Place the first 3 sticks.



Step 2: Add stick 4

Estimated time: 1 minute

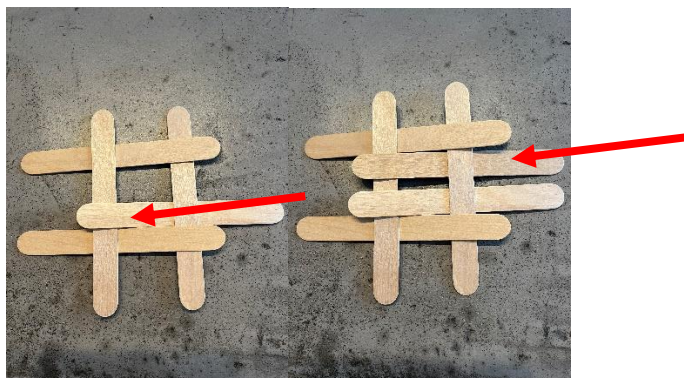
- Place stick 4 below stick 2 and 3.



Step 3: Add sticks 5 and 6

Estimated time: 5 minutes

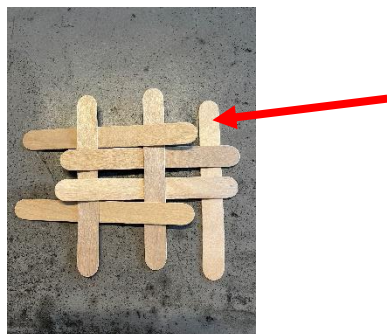
- Add 2 new stick by weaving them between stick 4 and stick 3. You will notice that the bridge start to lift. You may need to hold stick 3 in place.



Step 4: Add stick 7

Estimated time: 1 minute

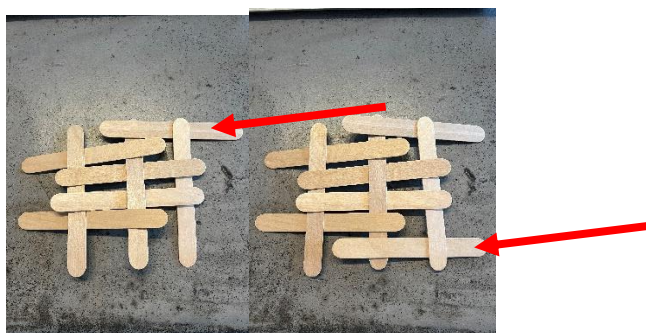
- Add stick 7 below stick 5 and 6.



Step 5: Add sticks 8 and 9

Estimated time: 5 minutes

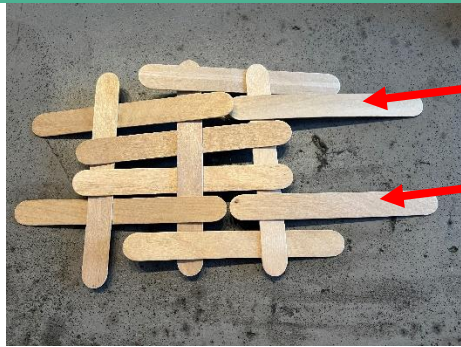
- Add 2 new sticks between stick 7 and stick 4.



Step 6: Add sticks 10 and 11

Estimated time: 1 minute

- Add 2 new sticks above stick 7.



Step 7: Add stick 12

Estimated time: 2 minutes

- Add stick 12 above stick 10 and 12 and below 5 and 6.



Step 8: Add sticks 13 and 14

Estimated time: 5 minutes

- Add stick 13 and 14 between stick 12 and stock 9 and 10.



Step 9: Add stick 15

Estimated time: 2 minutes

- Add stick 15 below stick 13 and 14.





Step 10: Add sticks 16 and 17

Estimated time: 5 minutes

- Add stick 16 and 17 between stick 15 and stick 12.



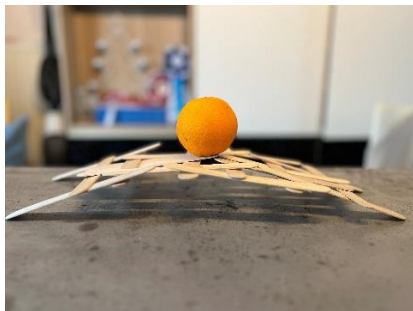
- Tadaa !



Step 11: Test it

Estimated time: 2 minutes

- Test to put a small object on your bridge ! It's pretty strong but be careful it's much more fragile when it comes to lateral forces.



## DiSClaimer

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