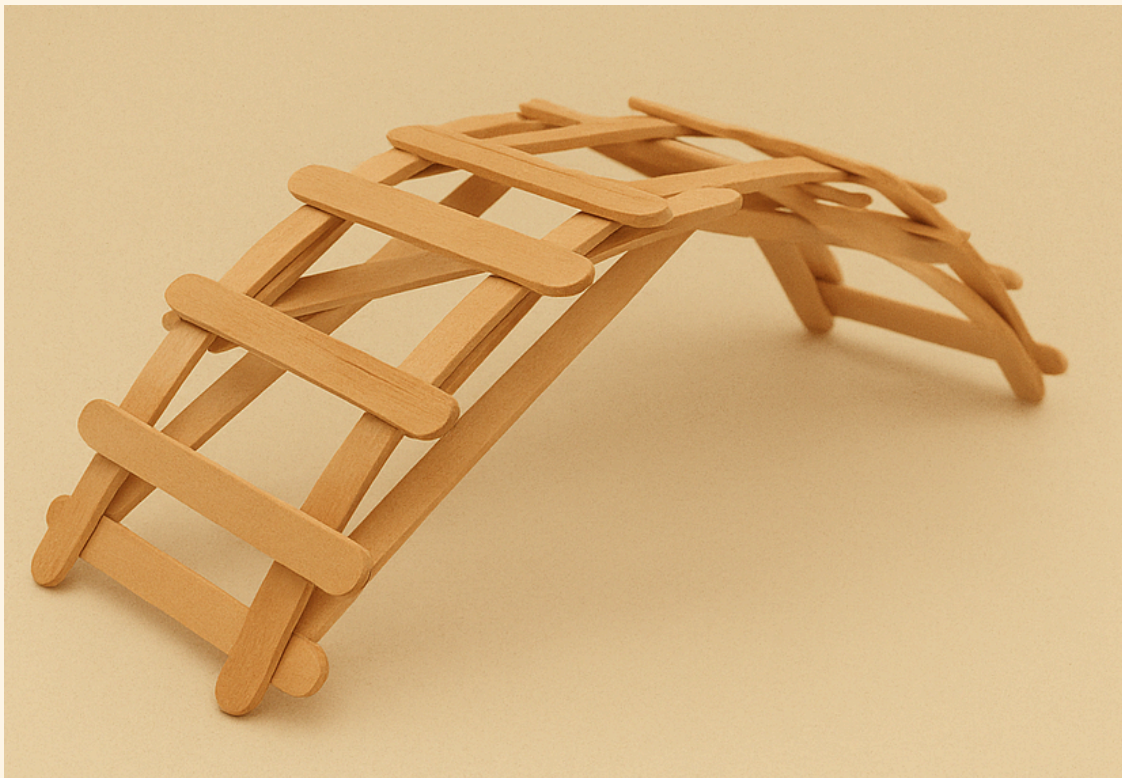


Build Your Own DA VINCI BRIDGE

**Step-by-Step Illustrated Guide Inspired by
Leonardo da Vinci's Genius**



Why Build This Bridge?

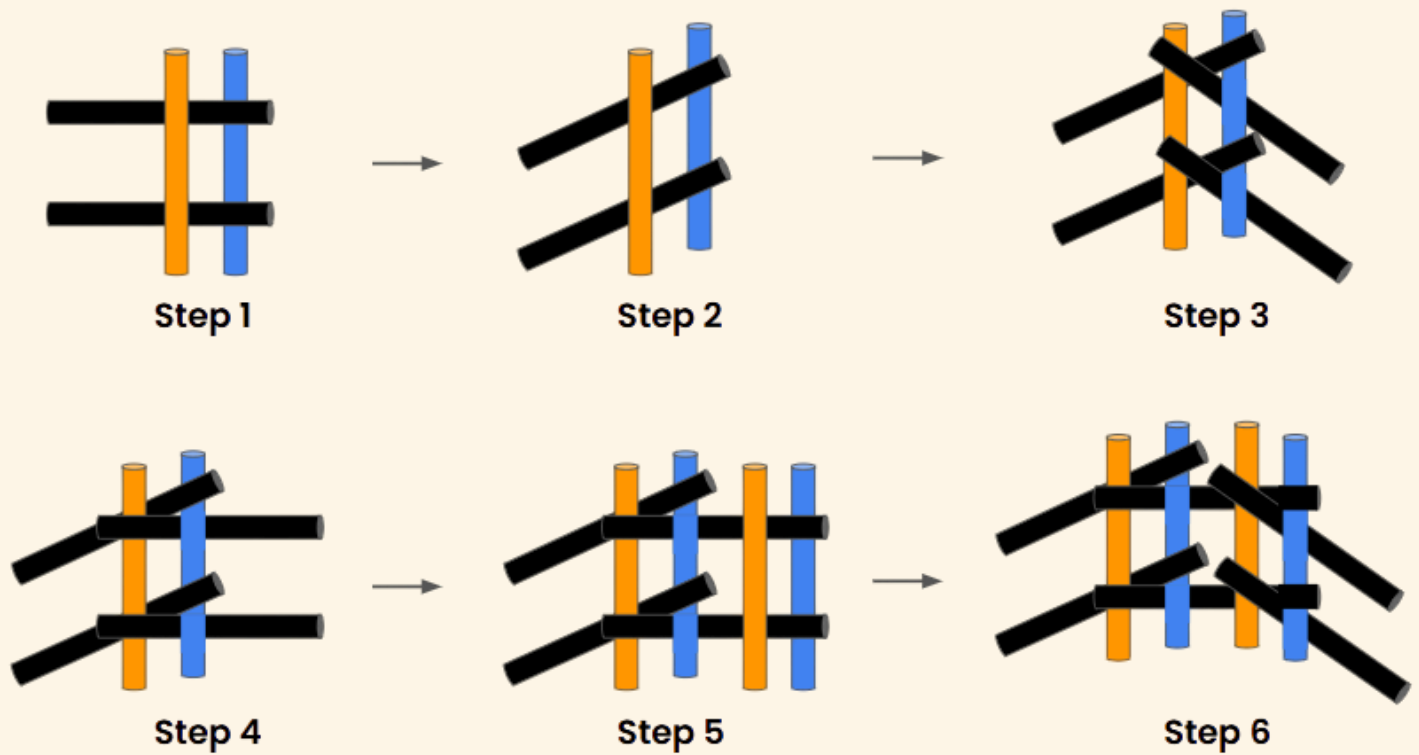
Discover how Leonardo's timeless design brings art and engineering together. Learn balance, geometry, and creative thinking as you build your own self-supporting bridge — no glue or nails needed!

What You'll Need

- Popsicle sticks (20–30 or more)
- Flat surface (desk or table)
- Patience and creativity!

Tips Before You Start

- Use smooth sticks for better weaving.
- Move slowly and gently when lifting.
- Try with different materials (pencils or dowels) for fun variations!



(for easier following with colored sticks)

1. Arrange four popsicle sticks as shown in Step 1, with the orange side up and the blue side down, aligned next to the two black sticks.
2. Gently lift the bridge, as shown in Step 2.
3. Insert two black popsicle sticks from the right side to weave through the structure, as shown in Step 3.
4. Lift the black popsicle sticks again as shown in Step 4.
5. Arrange two more popsicle sticks with the orange side up and the blue side down, as shown in Step 5.
6. Insert two more black popsicle sticks from the right, weaving them into the bridge, as shown in Step 6. (At this point, the bridge can stand on its own — this is the self-supporting bridge stage)
7. Repeat Steps 5 and 6 to extend the bridge to your desired length.

Ready to Explore More?

Congratulations! You've built a bridge inspired by Leonardo da Vinci. Want more creative projects? Visit our website.

www.leonardodavincisinventions.com