

POPSICLE STICK BRIDGE

OBJECTIVE

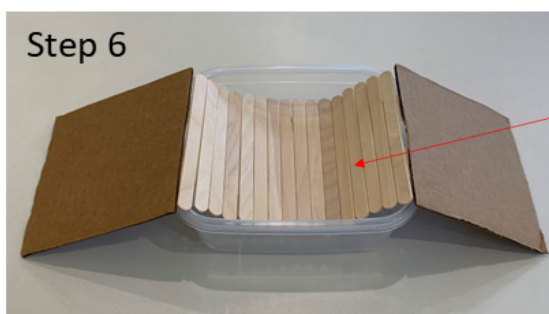
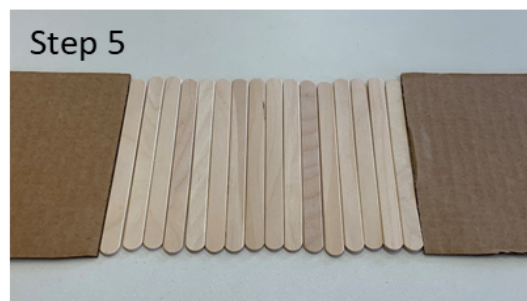
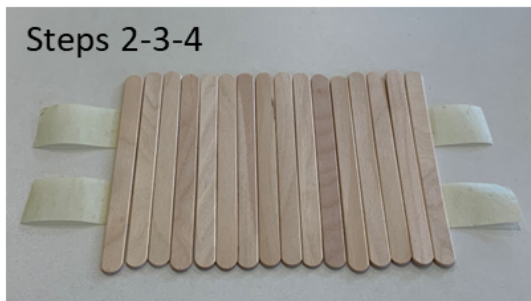
Create a popsicle bridge that can hold weight.

MATERIALS (per group)

- masking tape
- craft sticks (~20/group)
- cardboard
- Plastic container
- scissors
- weight

INSTRUCTIONS

1. Partner two student makers per group.
2. Roll out 2 pieces of masking tape (sticky side up) about 5 inches longer than the container opening.
3. Place craft sticks on the tape the same length as the container opening.
4. Cut the masking tape using scissors leaving about 1-2 inches of tape on both ends.
5. Cut the cardboard to the length and width of the sticks. Then tape them on both ends of the tape to use as ramps.
6. Put a container (that serves as a gully) under the craft sticks.
7. Roll the toy car from the table onto the ramp and onto the bridge.



CHALLENGE: When you put the bridge on top of the container, notice how it dips. What can you do to straighten the bridge?

