



DaVinci Bridge

A Link Between STEM and Art

INTRO

Make a self-supporting bridge without mechanical fasteners or adhesive, based off of one of Leonardo DaVinci's designs. You will be weaving sticks together so that the tension between the sticks keeps the bridge together and lifts it off the ground.

SUPPLIES

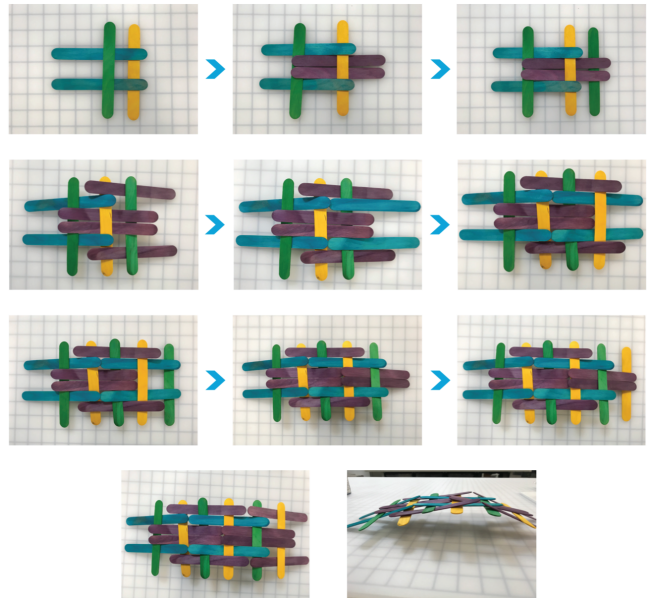
- Jumbo Popsicle Sticks
- Stable Working Space
- Patience!

VOCAB

- Tension

INSTRUCTIONS

1. Follow the diagram to make your bridge. Coloring your sticks may help with the building process!



DISCUSS

- How does this bridge work? How is it able to support itself?
- What is the difference between a longer bridge and a shorter bridge? Which is stronger?