


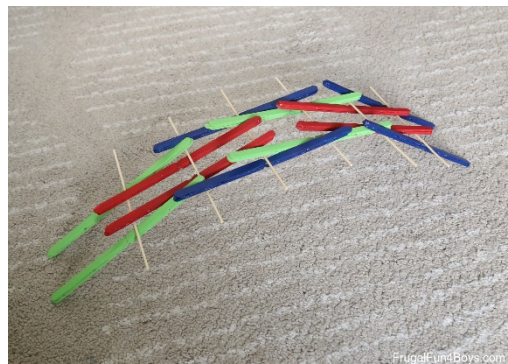
BUILD A DA VINCI BRIDGE

Materials:

- Popsicle sticks
- Bamboo skewers
- 2 people

Procedures:

- 1) **Building the bridge is just a simple pattern. For each layer, it doesn't really matter if the next row of sticks are on the outsides of the previous ones or the inside. Just do what works.**
- 2) **Start your bridge like this.** 
- 3) **Have one person gently lift the blue sticks while the other person slides in a second bamboo skewer.**
- 4) **Then place two light green sticks leaning on the skewer you just added. Have one person gently lift the red sticks while the other person slides a skewer between the red and green sticks.**
- 5) **Then just keep going!!!**
- 6) **A full-sized bridge can hold the weight of a person! We will see how much weight our stick bridge would hold by adding coins to a bowl!**



THE DA VINCI BRIDGE

LEONARDO DA VINCI BUILT THIS BRIDGE WHILE COMMISSIONED BY CESARE BORGIA TO INVENT MACHINES FOR MILITARY USE. THIS BRIDGE WOULD HAVE BEEN EASY TO CONSTRUCT OUT ON THE BATTLEFIELD, AND IT COULD BE EASILY TAKEN APART SO THAT THE ENEMY COULD NOT FOLLOW!