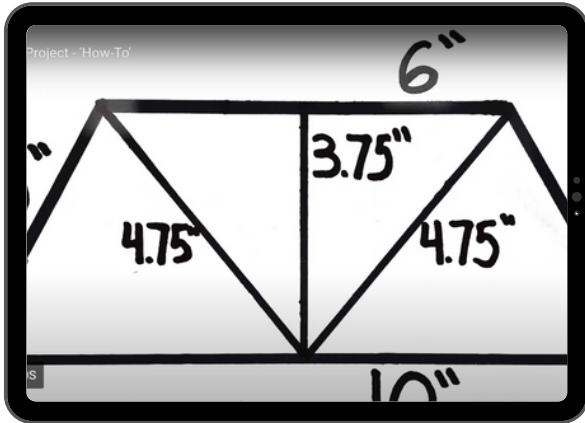




# Step-By-Step



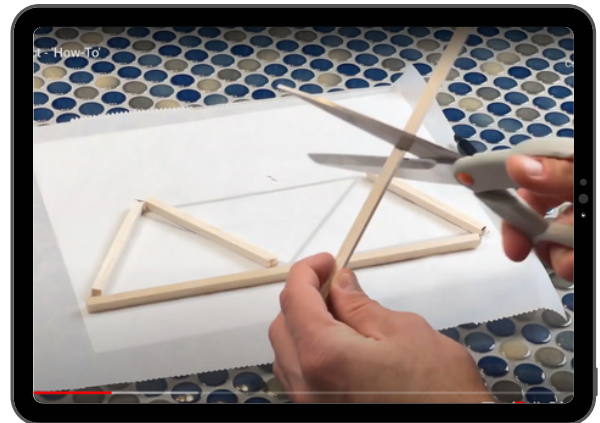
**1.** Draw your design on paper  
\*\*Must be made of triangles



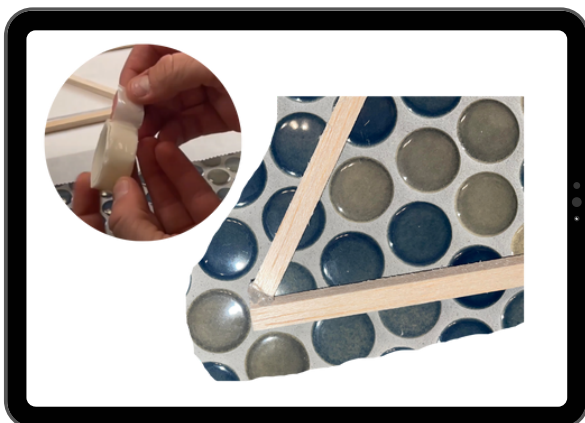
**2.** Tape a piece of parchment paper over your design



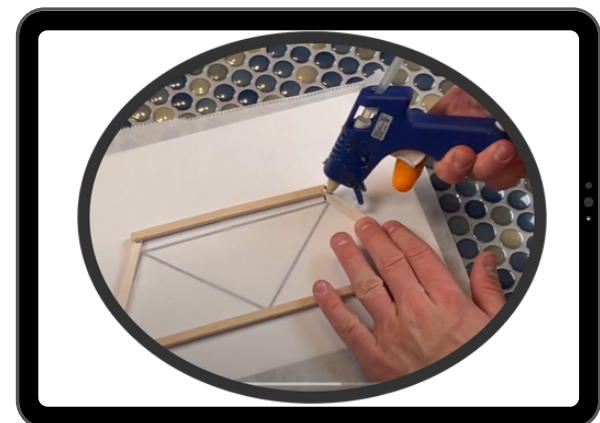
**3.** Lay sticks over lines and mark them where they should be cut!



**4.** Cut the sticks so they are same length as lines on your design



**5.** Use glue dots to temporarily connect sticks



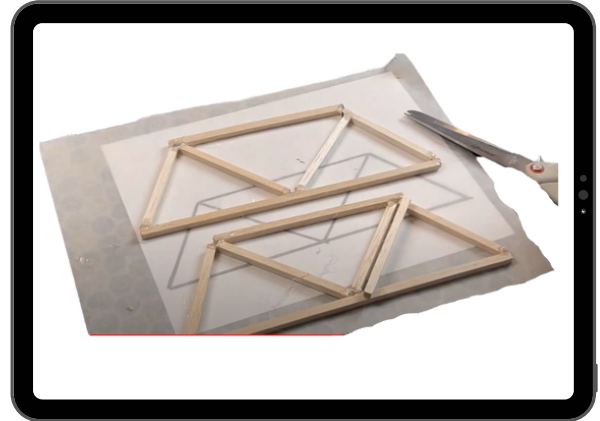
**6.** Use hot glue to strengthen connections of members



# Step-By-Step



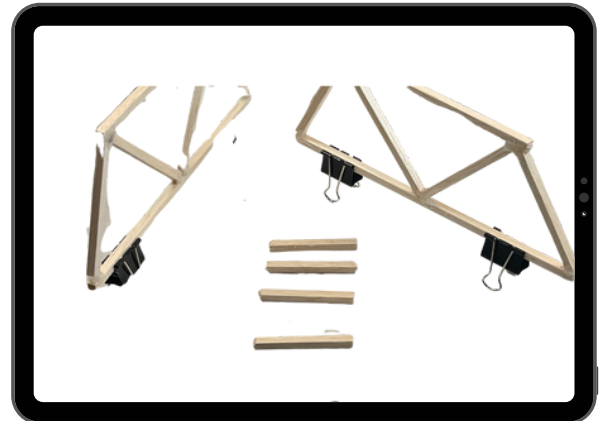
**7.** Throw away trash and scrap pieces along the way



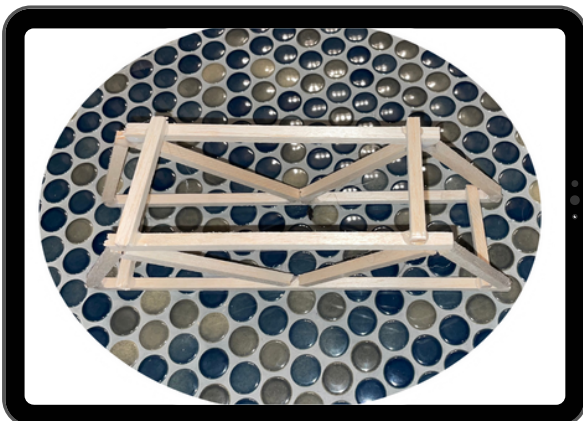
**8.** Build inside of truss and make your second side!



**9.** Clip these on bottom and stand up the two sides



**10.** Cut out some pieces that are the same length to connect the sides



**11.** Try to think of clever ways to make it as strong as possible, but still light!

## HELPFUL TIPS!!

- Use glue dots to connect things before officially hot gluing
  - Please be careful with hot glue gun!
- Do not make your design super complicated...
- Work in teams!
- Connect the trusses about 2-3" away
  - Use about 6 pieces to connect the two sides
- Make sure testing block fits inside!