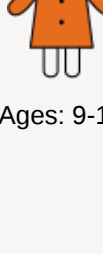


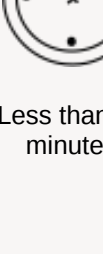
★★★★★

Rubber Band Gun


Stem Activities



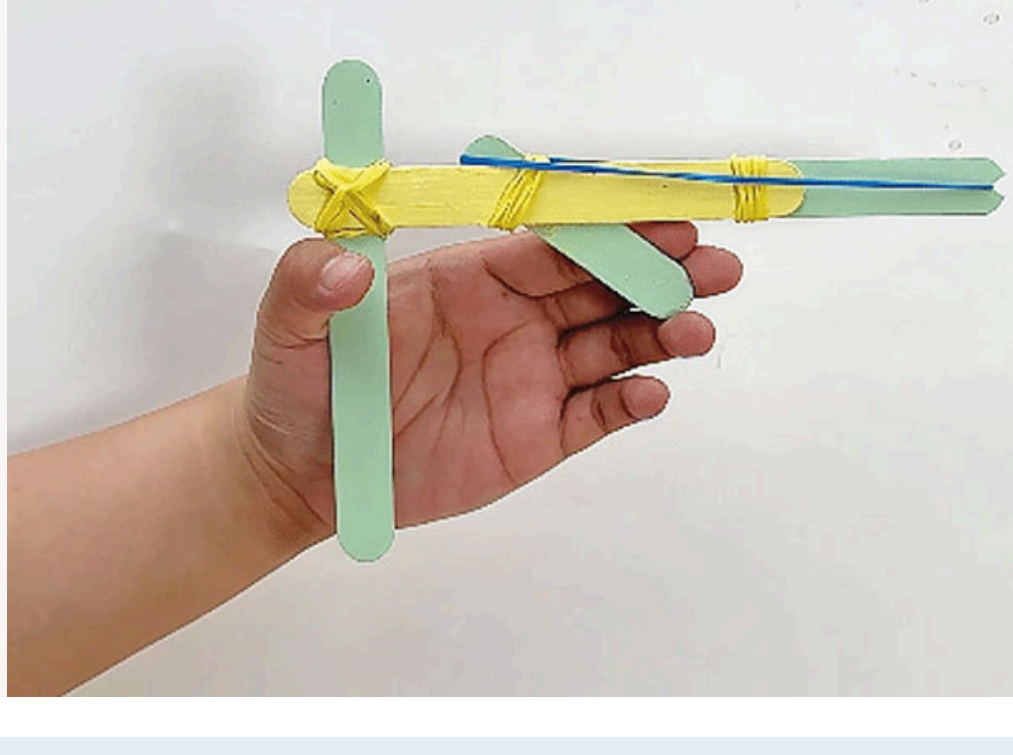
Ages: 9-12



Less than 30 minutes



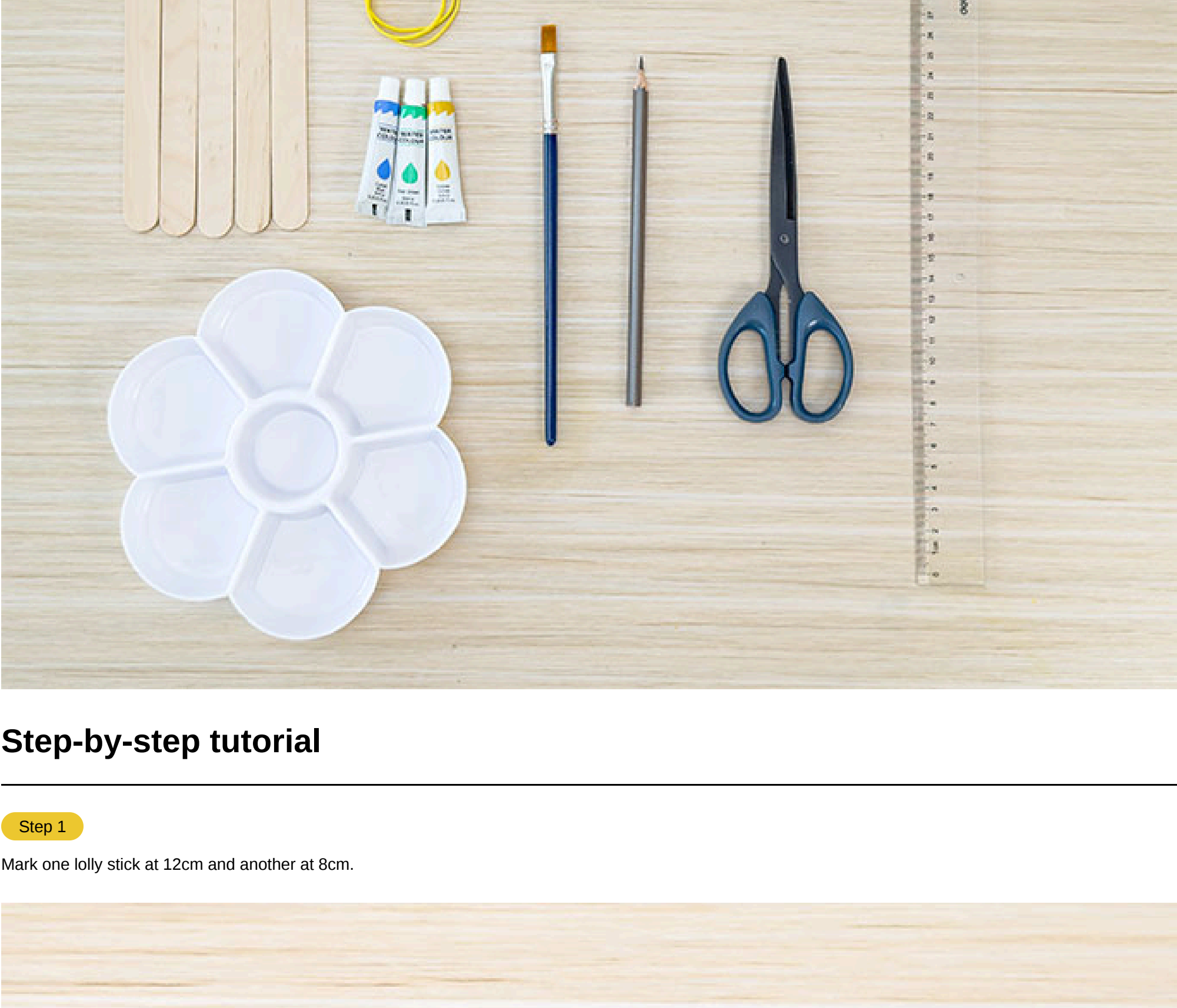
Growmup needed



Every child has their own version of a toy gun. Using lolly sticks, rubber bands, and glue, you can create your very own rubber band gun. Take aim, get ready to fire, and begin your rubber band adventure!

Materials Needed

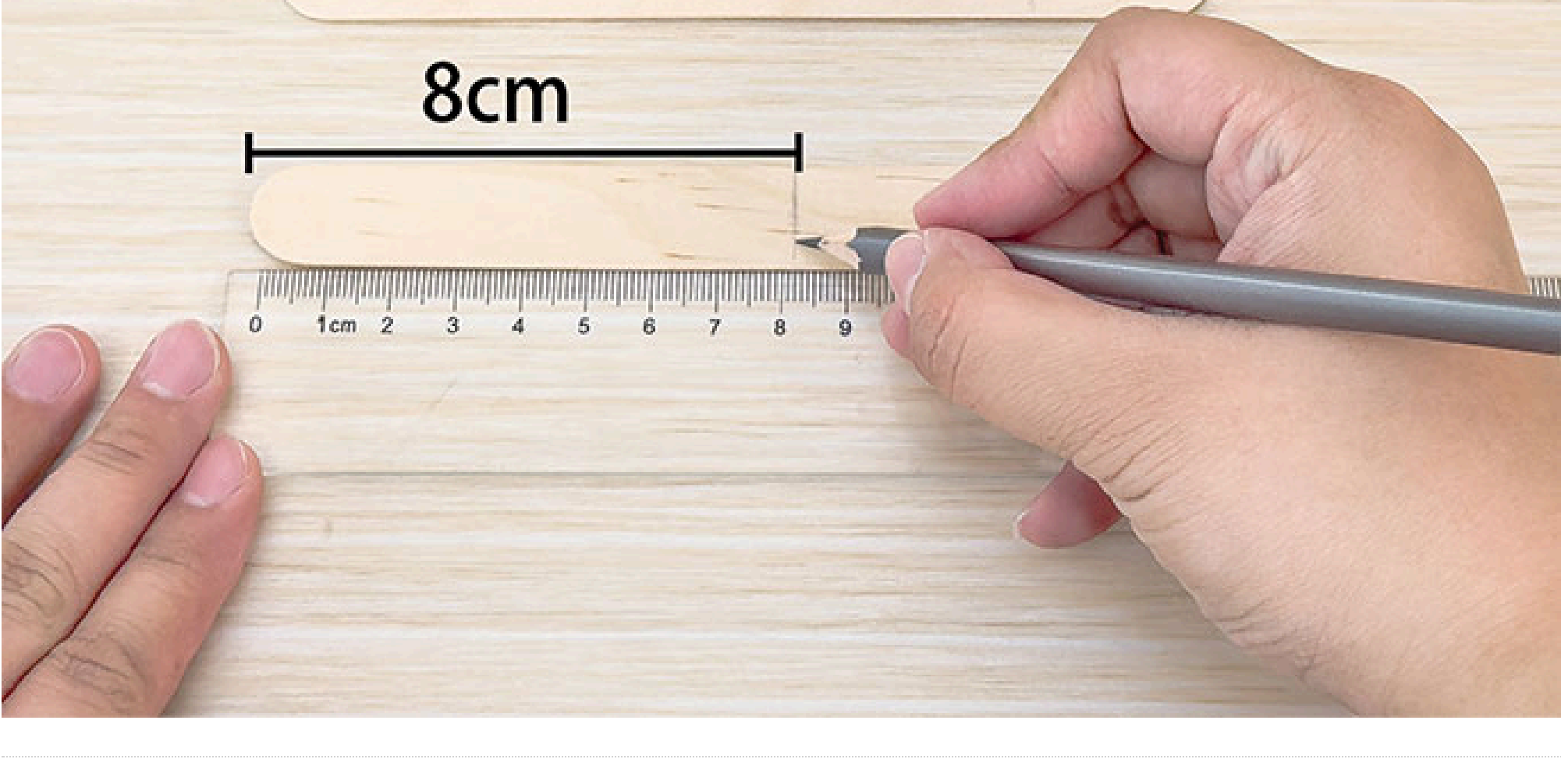
5 lolly sticks
Rubber bands
Paint
Paintbrush
Palette
Scissors
Pencil
Ruler



Step-by-step tutorial

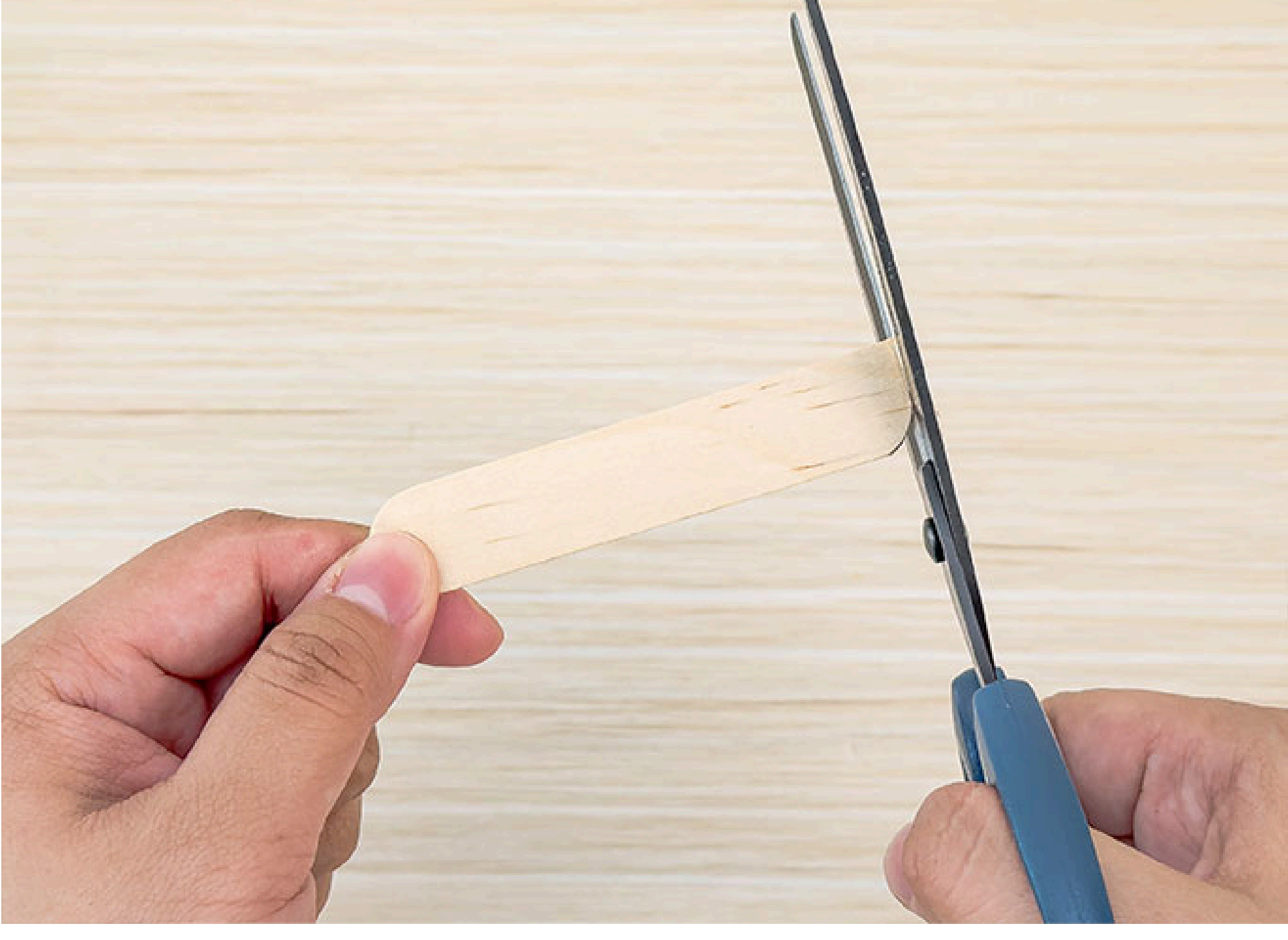
Step 1

Mark one lolly stick at 12cm and another at 8cm.



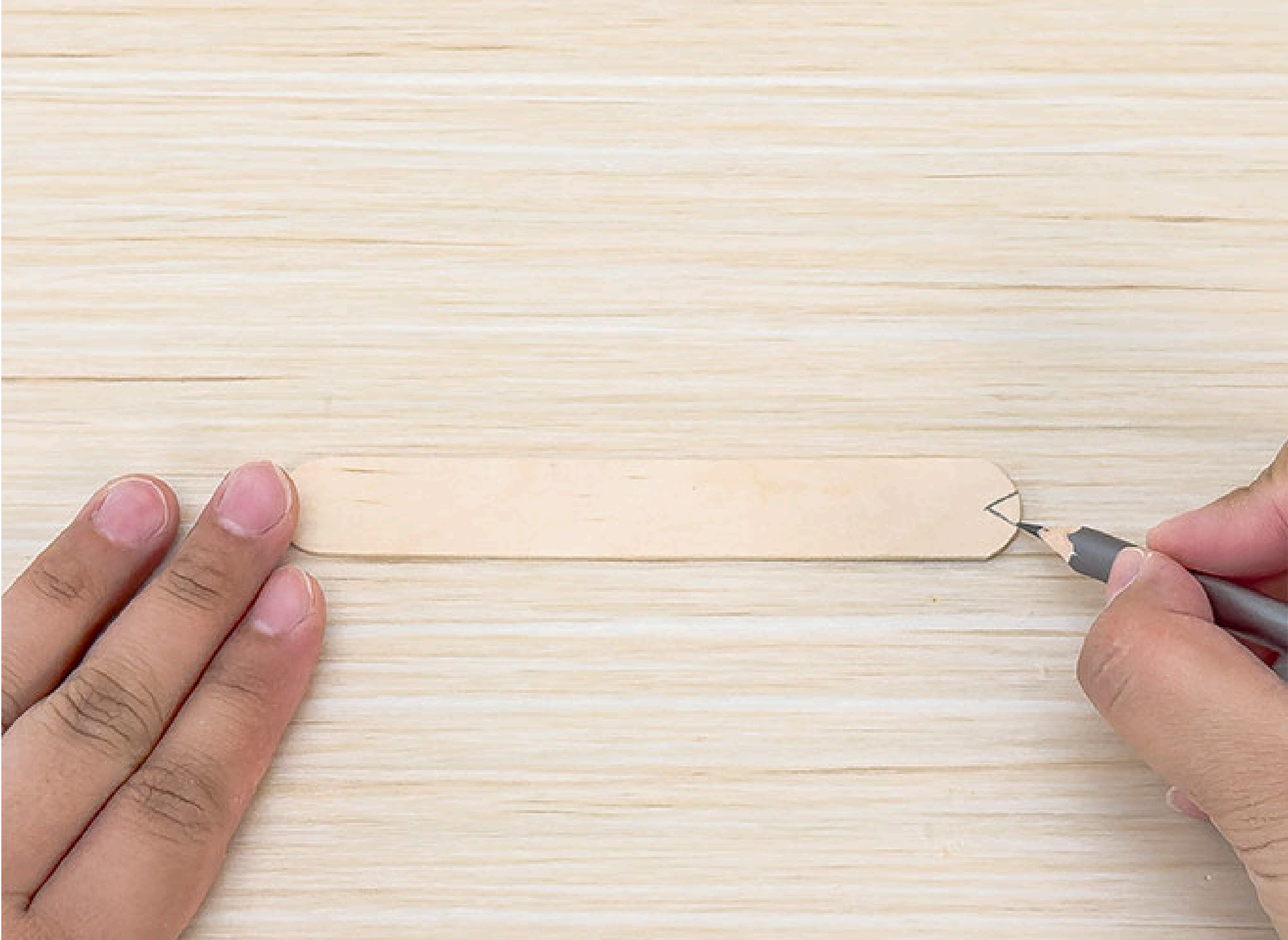
Step 2

Cut the lolly sticks at the marks using scissors, and shape the edges to match the curved end.



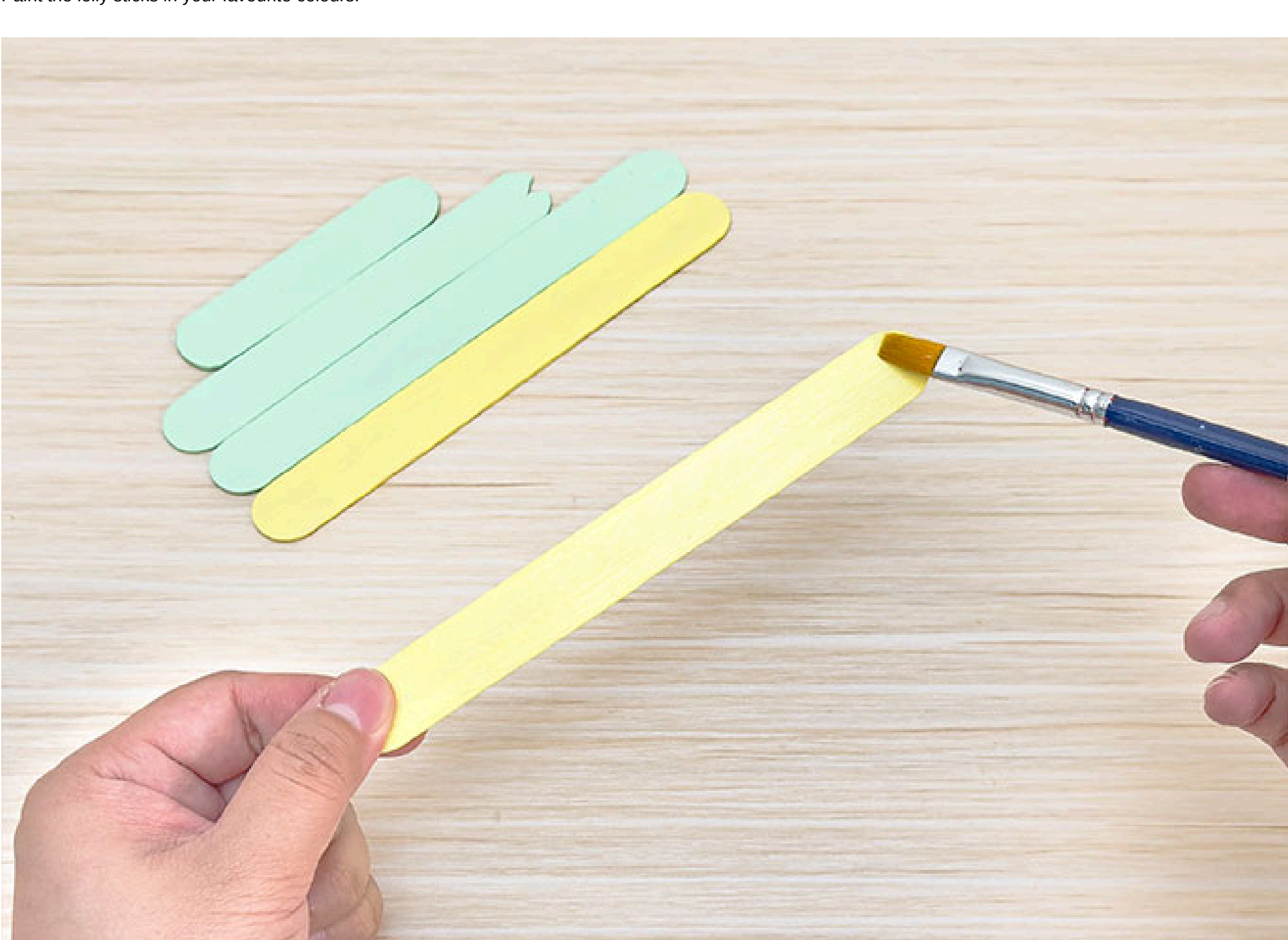
Step 3

Take the 12cm lolly stick and draw a triangle at one end with a pencil, then cut out the triangle using scissors.



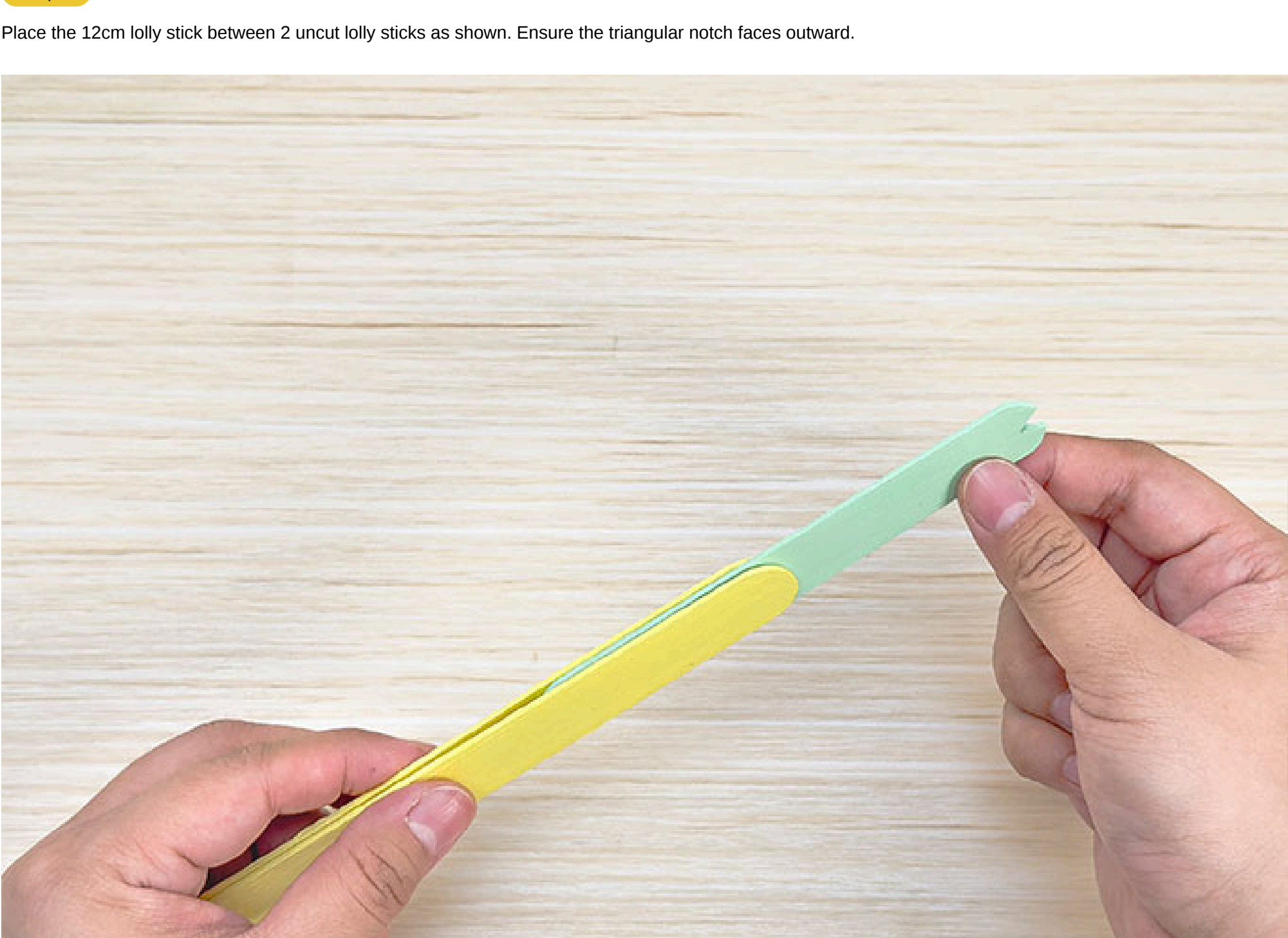
Step 4

Paint the lolly sticks in your favourite colours!



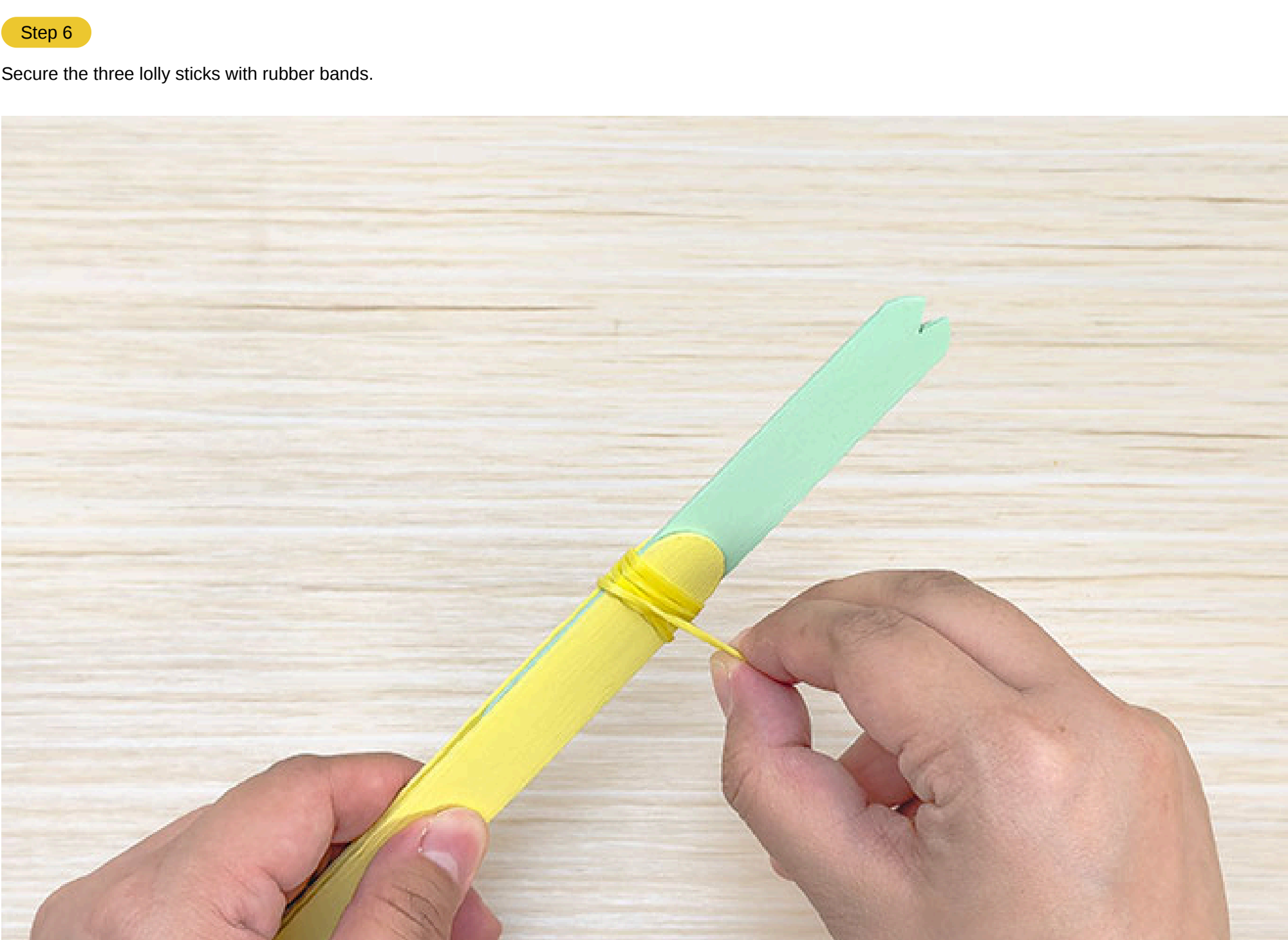
Step 5

Place the 12cm lolly stick between 2 uncut lolly sticks as shown. Ensure the triangular notch faces outward.



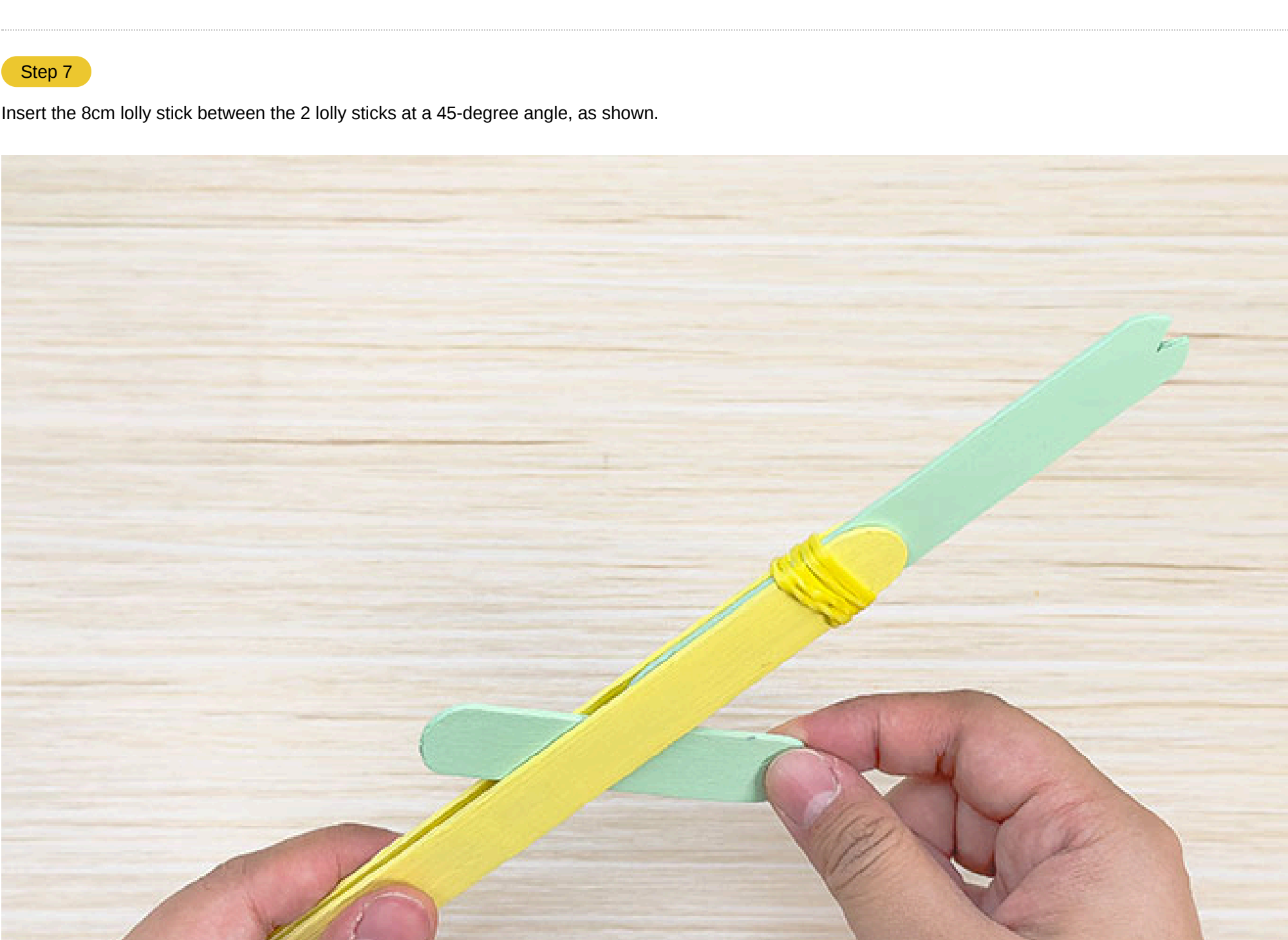
Step 6

Secure the three lolly sticks with rubber bands.



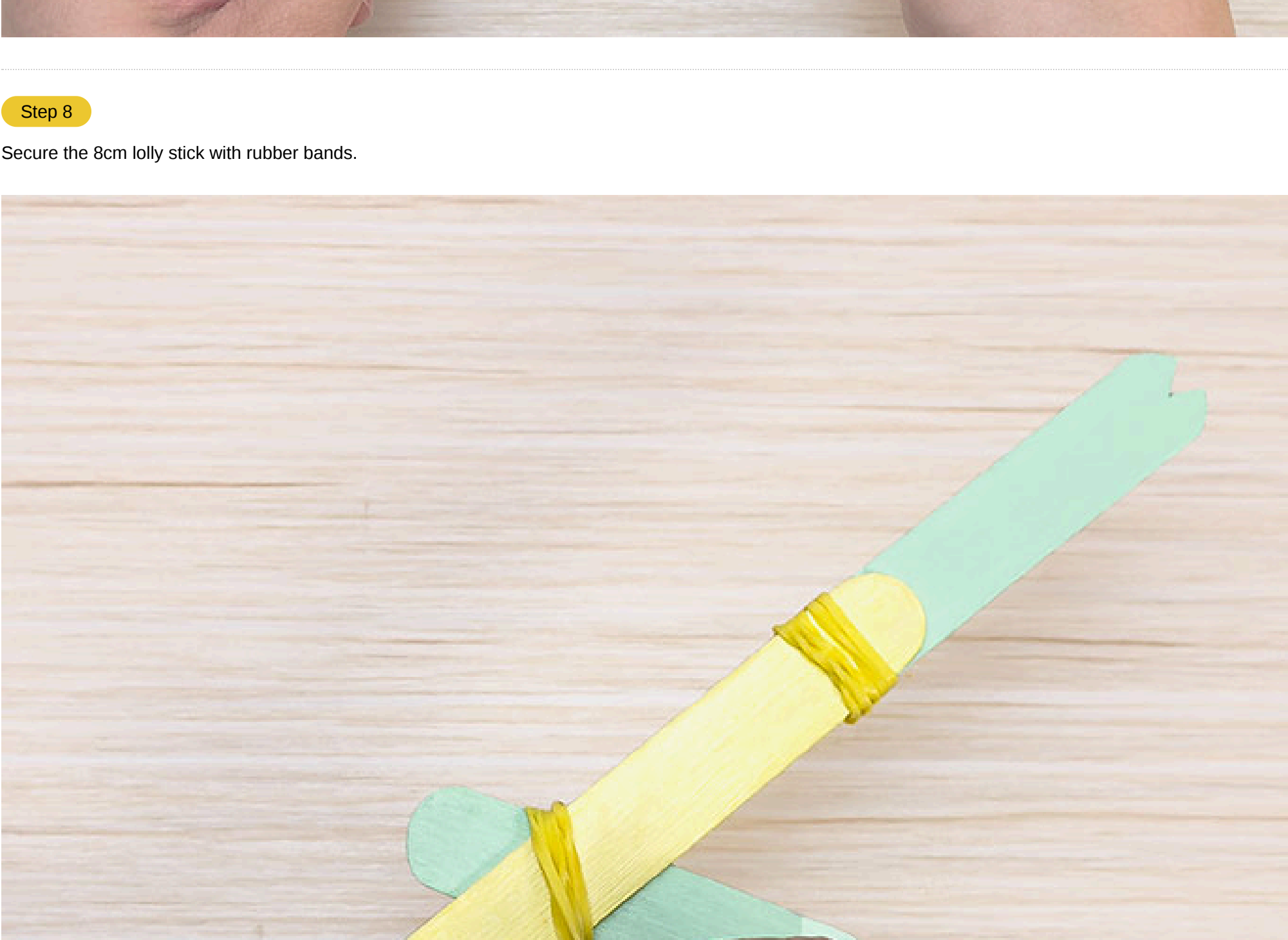
Step 7

Insert the 8cm lolly stick between the 2 lolly sticks at a 45-degree angle, as shown.



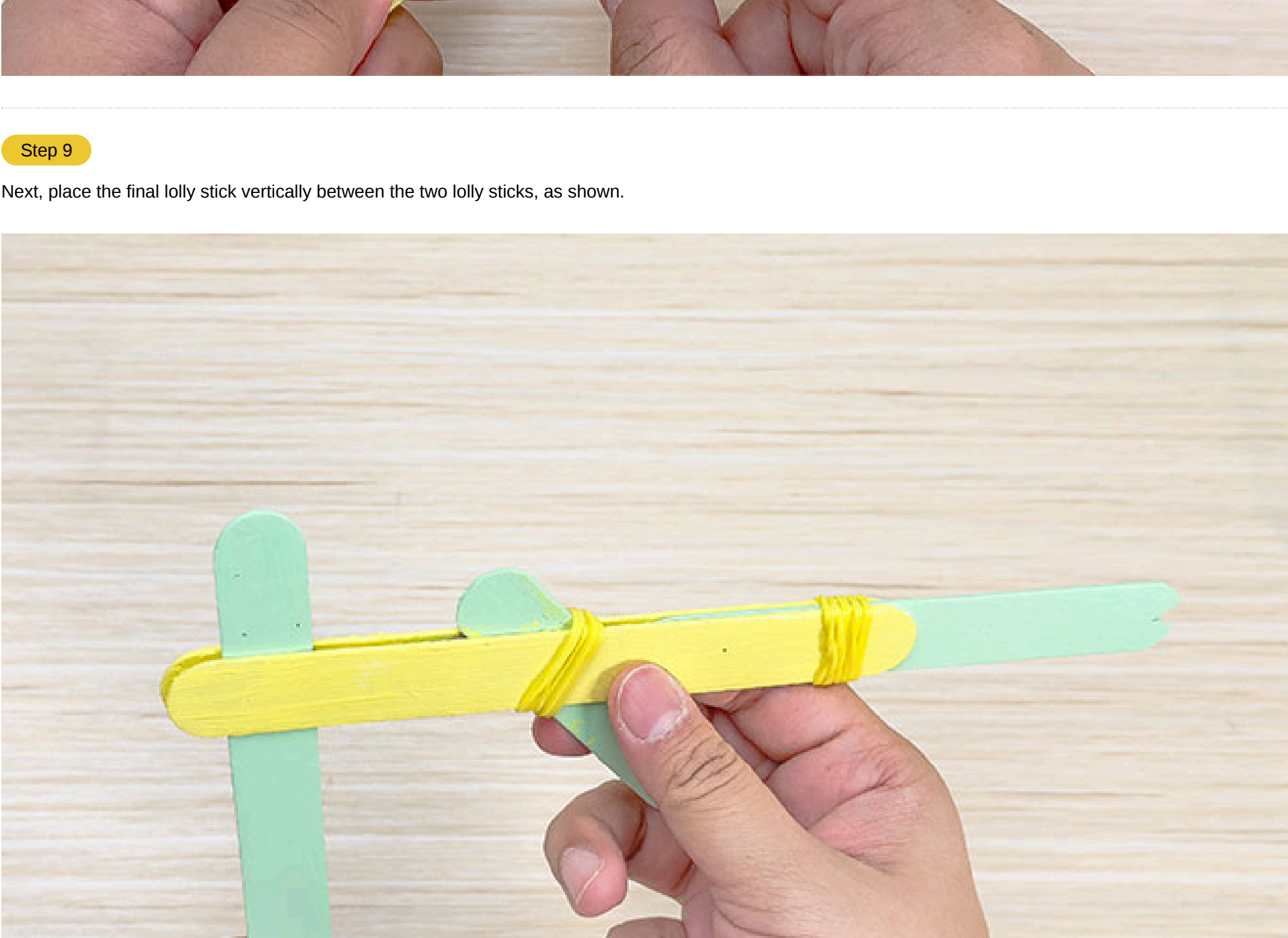
Step 8

Secure the 8cm lolly stick with rubber bands.



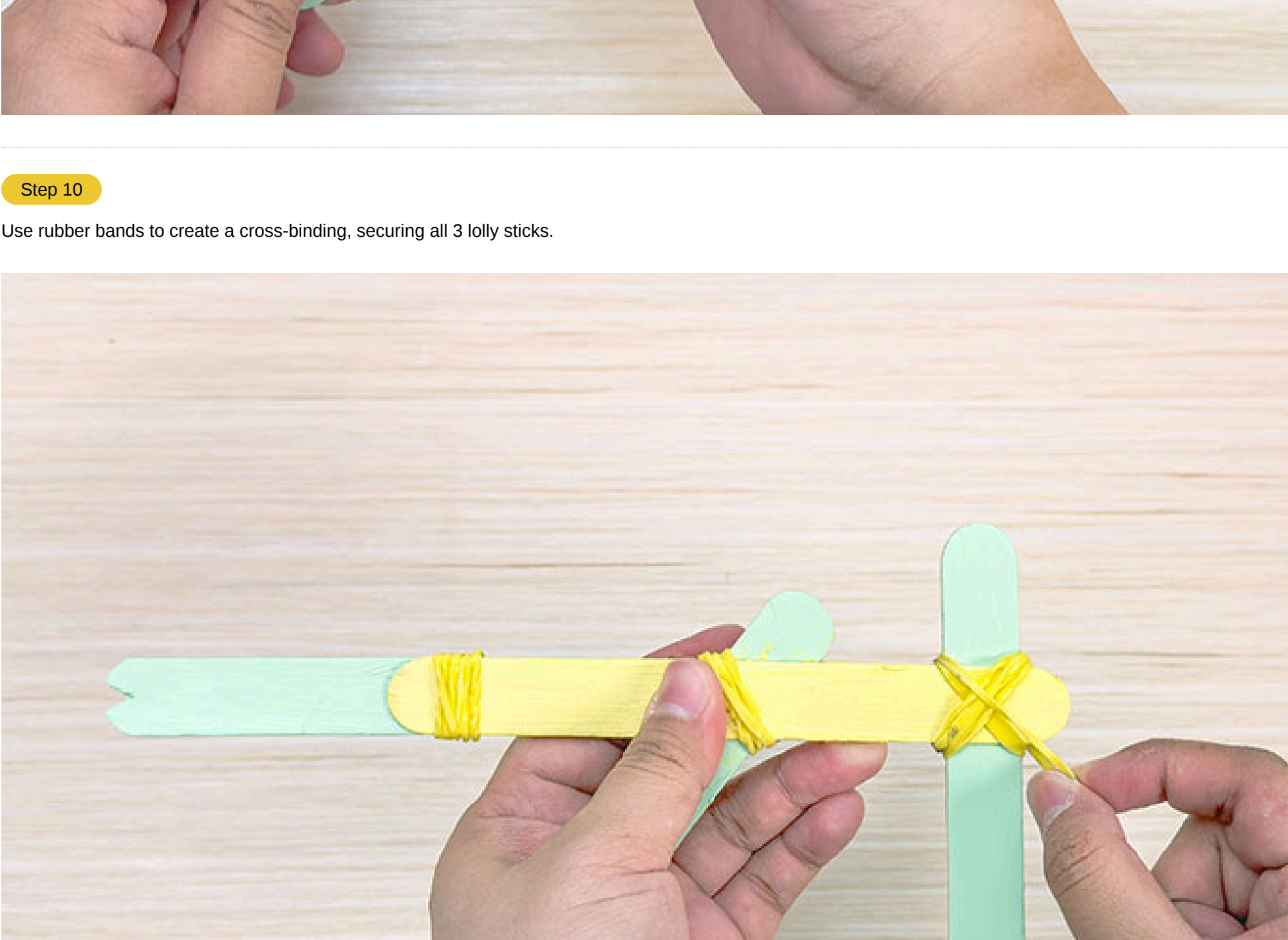
Step 9

Next, place the final lolly stick vertically between the two lolly sticks, as shown.



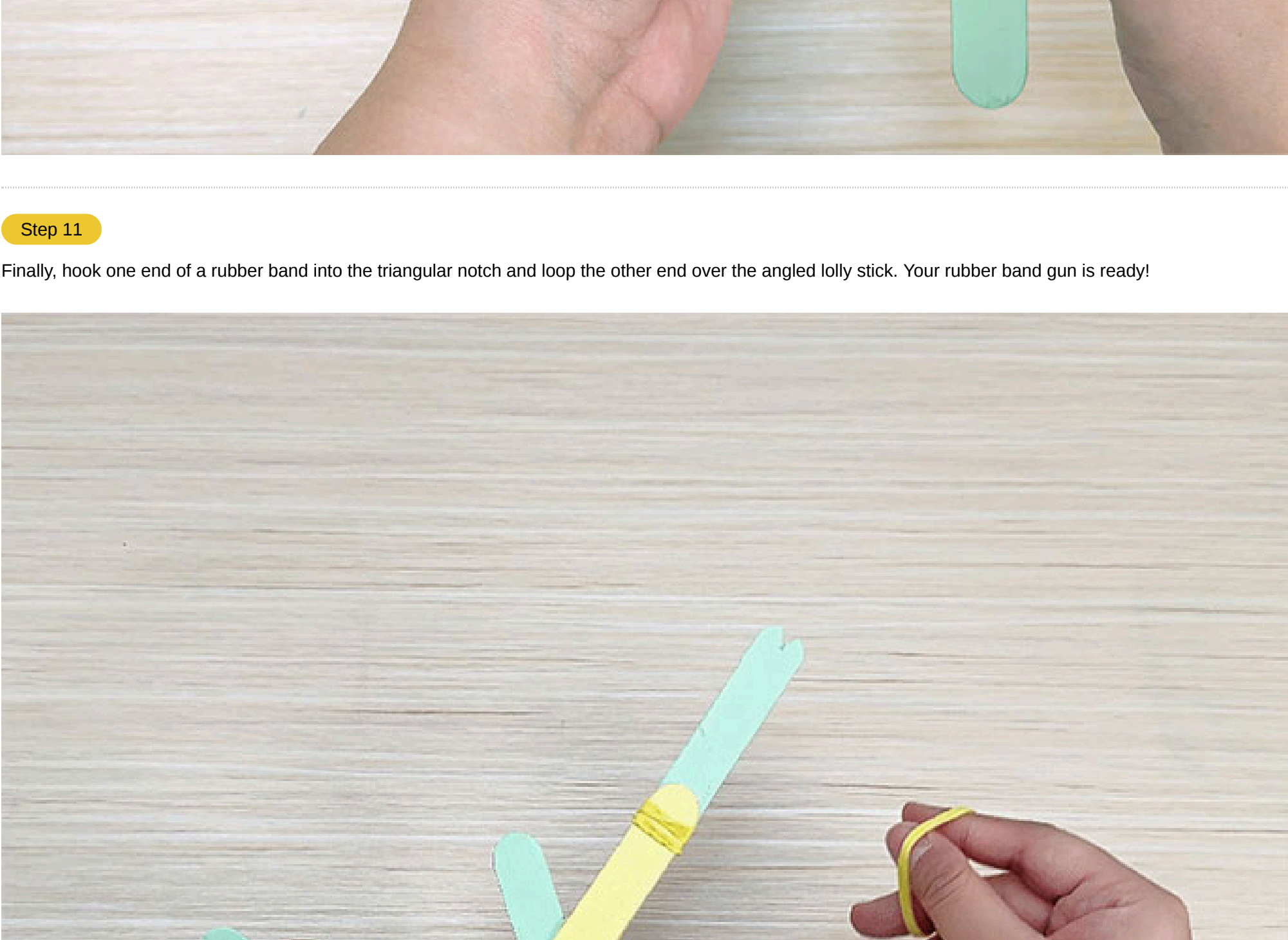
Step 10

Use rubber bands to create a cross-binding, securing all 3 lolly sticks.



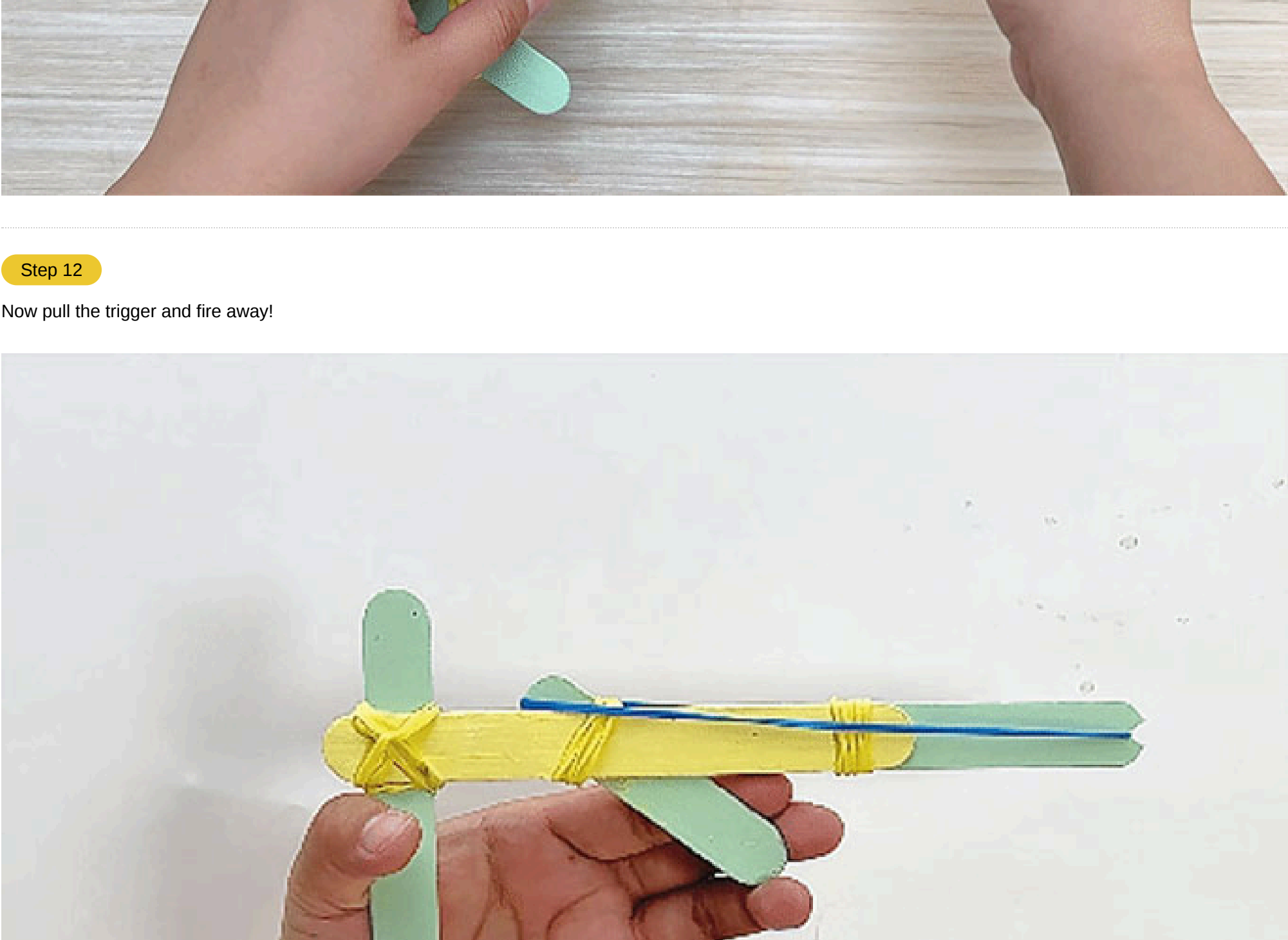
Step 11

Finally, hook one end of a rubber band into the triangular notch and loop the other end over the angled lolly stick. Your rubber band gun is ready!



Step 12

Now pull the trigger and fire away!



The Science Behind It:
When a rubber band is stretched, it stores energy known as elastic potential energy. The rubber band gun works by storing this energy through stretching. When the rubber band is released from the gun, the stored energy converts to kinetic energy, causing the rubber band to shoot forward rapidly.