

## • Tinker Camp Day 4 •

# Mini Cardboard Stool

## You'll need

printable stool  
templates

cardboard  
(you can use one of  
your crate boxes)

glue

scissors

tape

## Step 1

Cut out the printable stool templates along the dashed outer lines.

## Step 2

If you're using a crate box, unfold it and line up the green fold lines on the stool stand template with the creases on the box. Glue the template onto the inside of the box.

If you're using other cardboard, make sure the green fold lines on the stool stand template run in the same direction as the ridges of the cardboard. Glue it down.

## Step 3

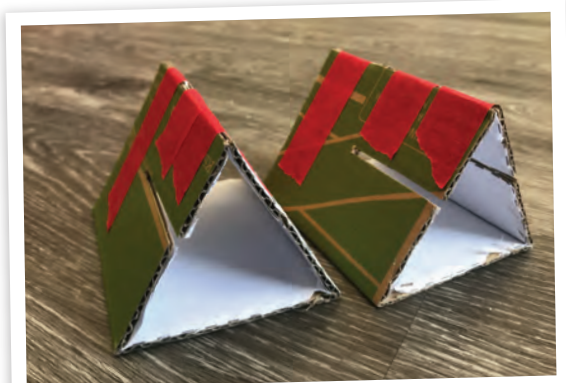
Cut the template out of the cardboard along the dashed lines along the edge.

## Step 4

Cut along the dashed line on the center.

## Step 5

Cut out four slots along the thick dashed lines. Make the slots as wide as the lines are.

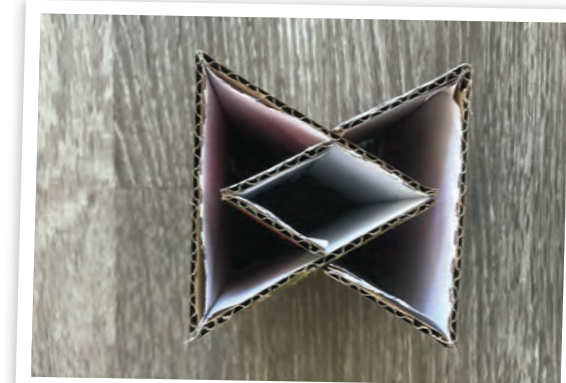


### Step 6

Fold each piece inward along the green fold lines to make two triangles. Tape the triangles closed, making sure not to tape over the slots.

### Step 7

Notch the two triangles together. You made a stool stand!

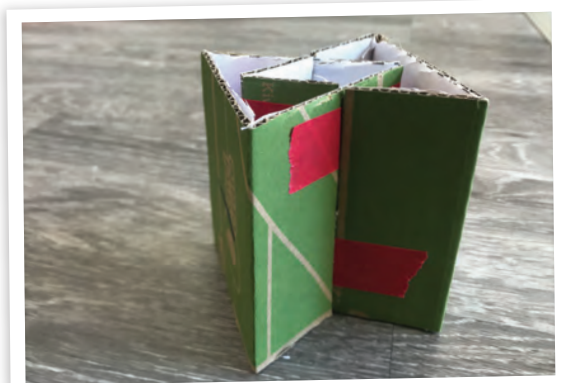


### Step 8

Glue the stool top template onto cardboard, then cut it out.

### Step 9

Tape the stool top onto the stand.



# Try this!

You're the designer — what will you do with your stool?

## Design in color

Your stool is pretty great. But wouldn't it be better in color?

Visual designers use different combinations of colors — called **colorways** — to change the look. An unpainted stool is going to feel very different than one painted orange, purple, and green.

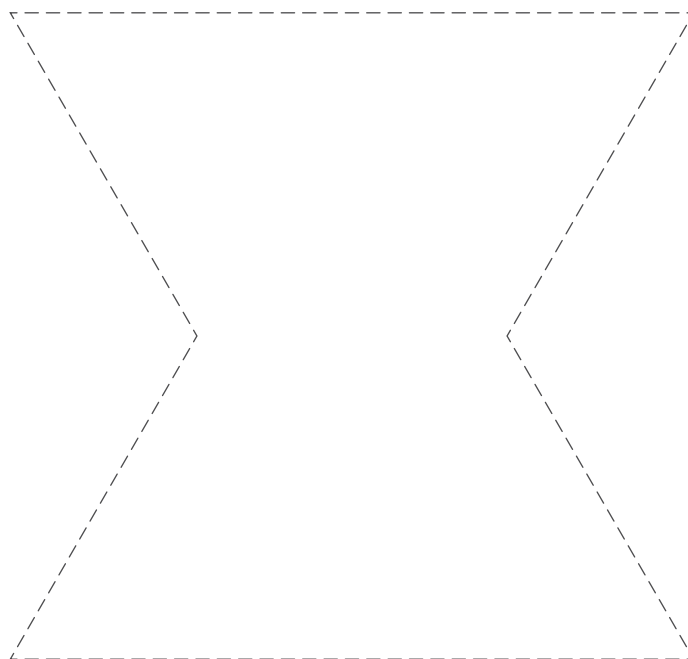
## Put it to the test

How sturdy is your stool? You won't know until you try! Engineers do **load testing** — adding more and more weight to a structure — to find out how much it can hold before collapsing.

## Go bigger

Can you make a cardboard stool that's strong enough for you to sit on? Try scaling up your mini stool and test it out. Product designers use small-scale models called **prototypes** to test out new designs.

stool top



cut along the  
dashed lines!



