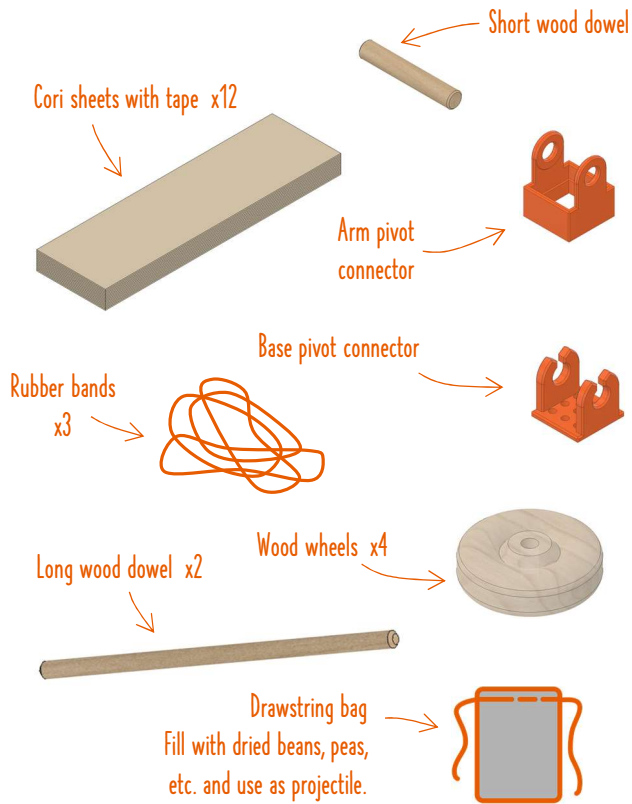
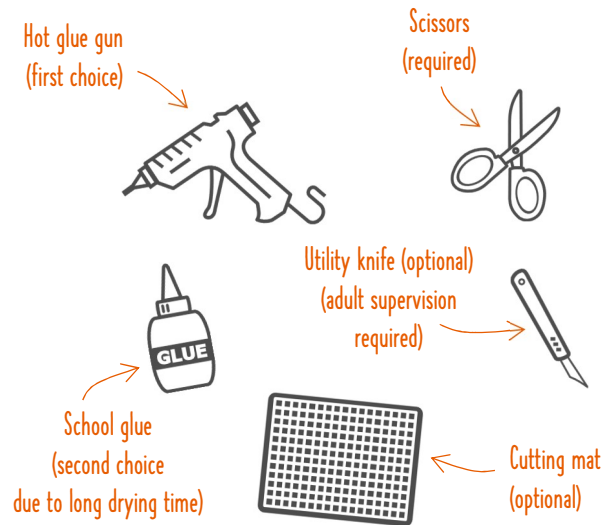


What's in the box:

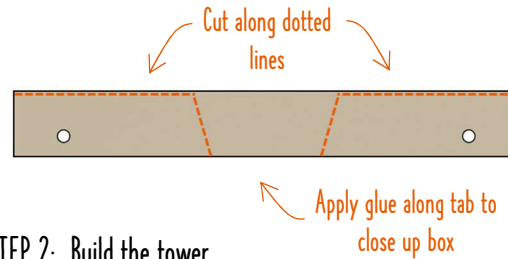


What's not in the box:



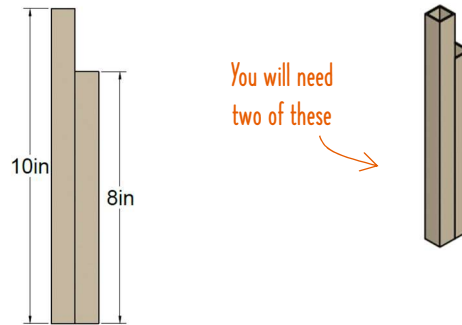
STEP 1: Preparing the base

Use the Cori shipping box for this project. Use a wood dowel to remove the four knockout holes closest to the short end of the box. On the box's closing tab, cut along the dotted line. The holes should now be exposed. Glue the box closed to complete the catapult base.



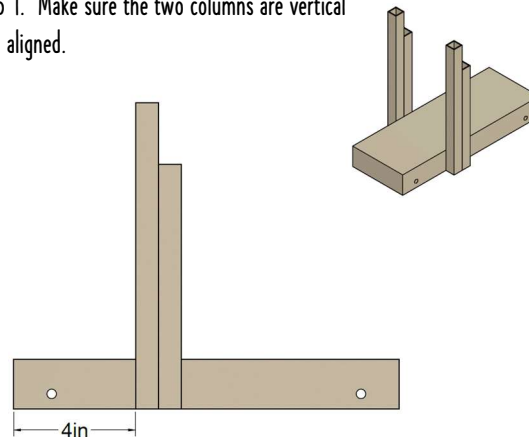
STEP 2: Build the tower

Construct the tower by gluing two Cori beams for each of the columns as shown below.



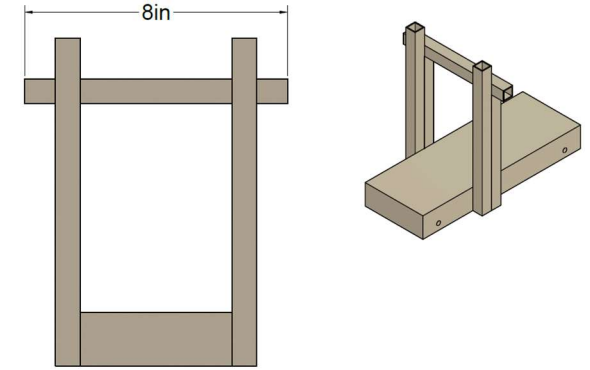
STEP 3: Raising the tower

Glue the tower from step 2 to the base from step 1. Make sure the two columns are vertical and aligned.



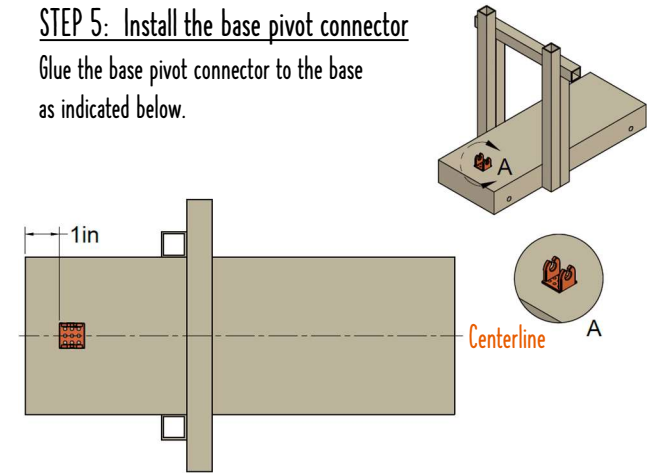
STEP 4: Complete the tower

Add the 8" Cori beam header to complete the tower. Secure with glue.



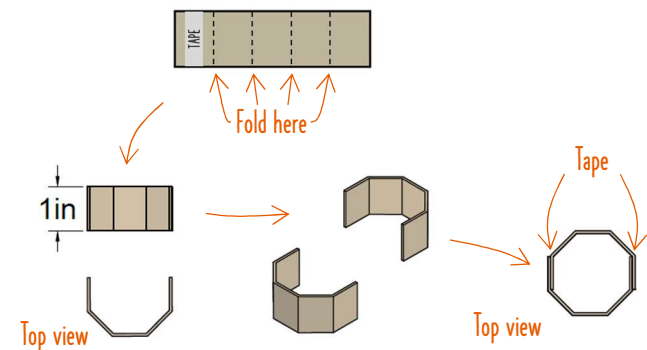
STEP 5: Install the base pivot connector

Glue the base pivot connector to the base as indicated below.



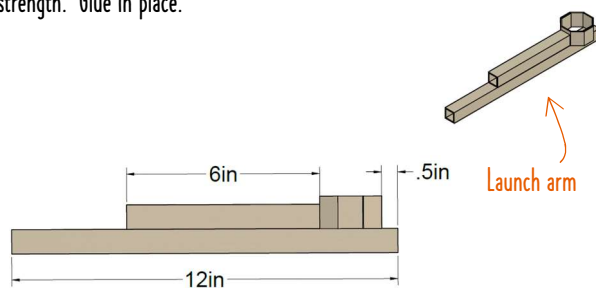
STEP 6: Construct the launch basket

Cut two 1" strips of the Cori sheet to make the sides of the launch basket. Fold as shown below and glue the two parts together to form an octagon using the tape strip.



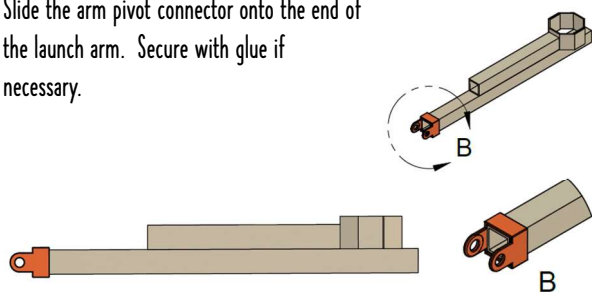
STEP 7: Assemble the launch arm

Securely glue the launch basket from step 6 to a 12" Cori beam as shown. Leave a gap of about 0.5" at the end. Add a 6" beam to the launch arm for strength. Glue in place.



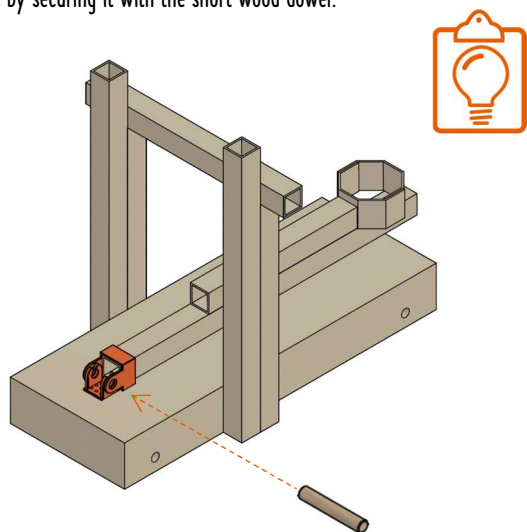
STEP 8: Attach arm pivot connector

Slide the arm pivot connector onto the end of the launch arm. Secure with glue if necessary.



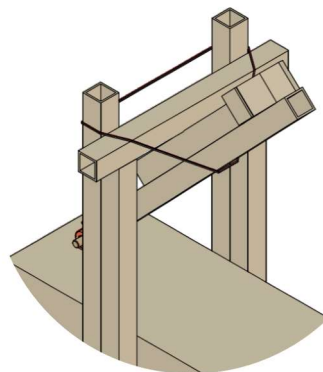
STEP 9: Connect launch arm to base

Align the arm pivot connector to the base pivot connector and complete the pivot joint by securing it with the short wood dowel.



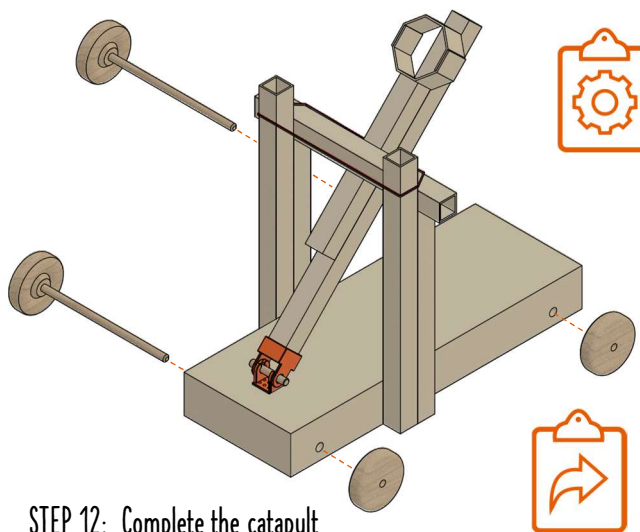
STEP 10: Add rubber band

Wrap a rubber band around the top section of the tower columns. Swing the launch arm up, and pull the back of the rubber band around it. You may add multiple rubber bands for additional launch power.



STEP 11: Install the wheels

Slide the long wood dowels into the holes in the base and finish by sliding each wheel onto the end of the dowel. Secure wheels to axles with glue if needed.



STEP 12: Complete the catapult

You have now completed the construction of your catapult. Now is the time to make it uniquely yours by adding paint, stickers, and any other material that you have. You may also want to create some targets to help improve your aim. Unleash your creativity!

CORI support is here to help. Contact us at support@coricreate.com if you have any questions or comments.

Share your designs using our hashtag #CoriCreate. Follow us on Facebook, Instagram and Twitter.

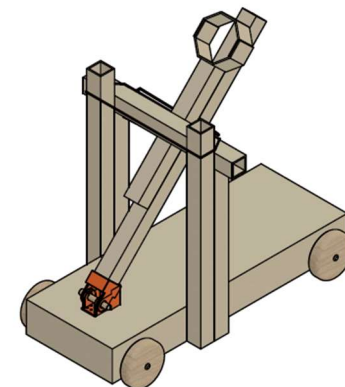


Catapult

Instructions

Unleashing creativity

Empower the innovator in any maker while applying real practical STEM skills. The Cori Catapult kit is the perfect project to seed curiosity, build grit, improve spatial skills, and sharpen problem solving abilities.



Get a coach

At Cori, we believe in the value of having a coach or a mentor. Every time you see a coach's pad icon in the instructions, it is a good time to check in with your chosen coach.



Coach's pad

Measure twice, cut once

You will construct this model from the ground up. Careful measurements, cutting, and gluing are required to complete this build. While detailed step-by-step instructions are provided, we highly encourage you to improvise and modify as you please. You may even choose to incorporate other materials along the way. But most importantly, have fun!



1-2 hours



Grit required



Ages 8+
(5+ with adult)