INFLATABLES



INFLATABLES RESOURCES

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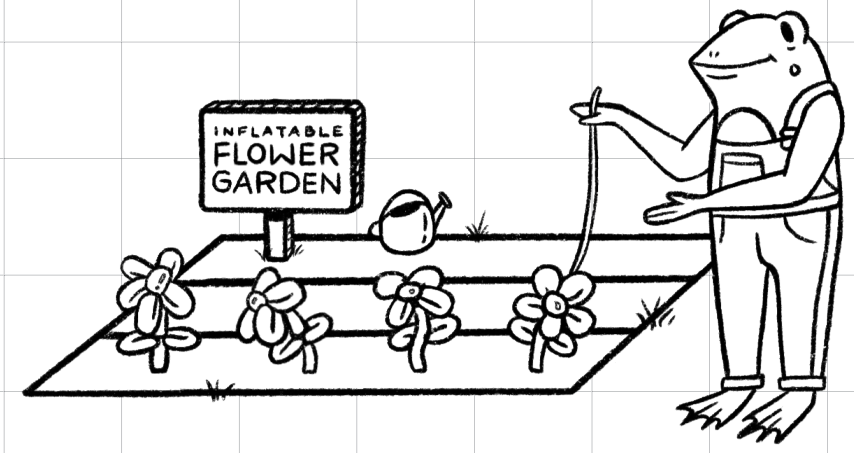
ABOUT THIS PROJECT

This project was created by the MIT Media Lab Public Library Innovation Exchange (PLIX) and Kyung Yun Choi.

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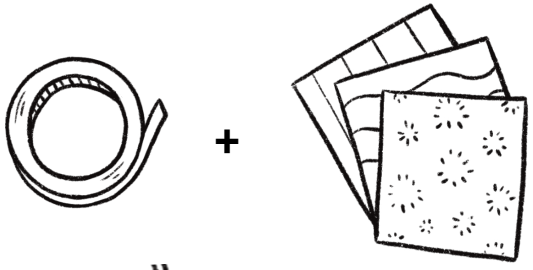
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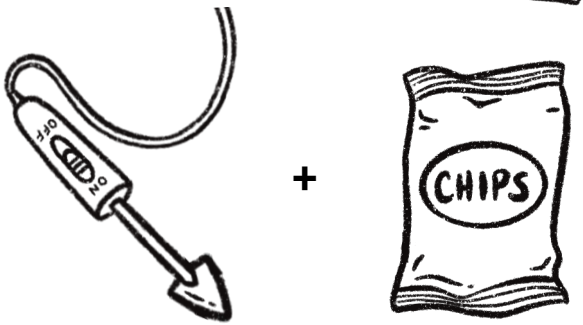
Getting Started

To create an inflatable, you'll need two things: **1)** a flexible material and **2)** a way to bind that material together. Here are some combinations that you might explore first:

masking tape & origami paper



mini iron & chip bag



Experiment with different pairings of materials and ways to bind. You could even try using multiple materials for the same inflatable!

Materials

chip (shiny) bags



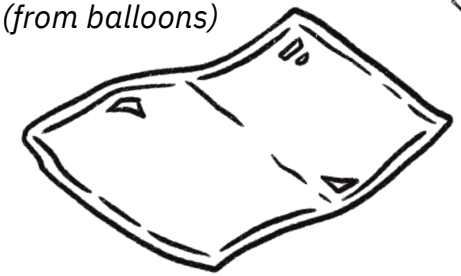


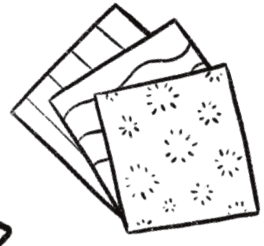
newspaper

wrapping paper



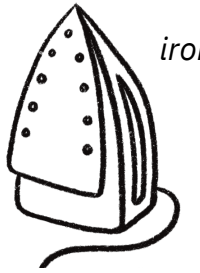
mylar (from balloons)





origami paper

Ways to Seal

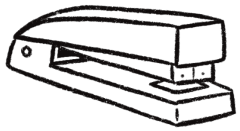


iron

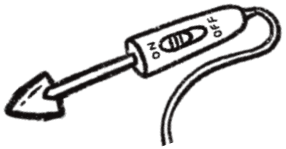


transparent/ washi tape

stapler



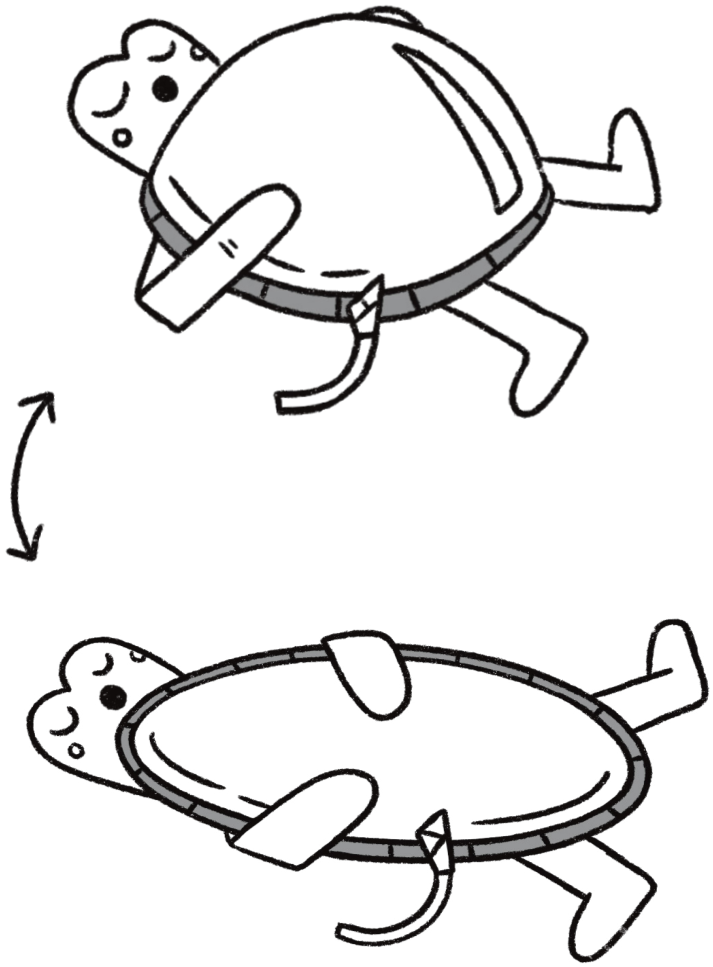
mini iron



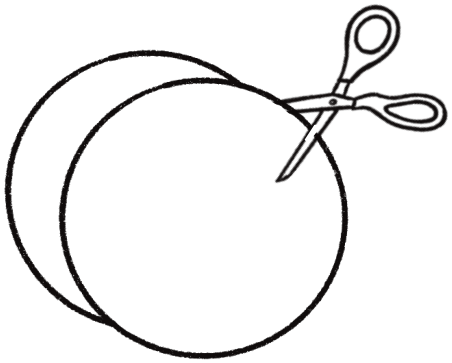


masking/ duct tape

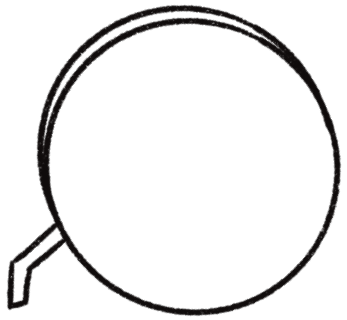
Breathing Beast



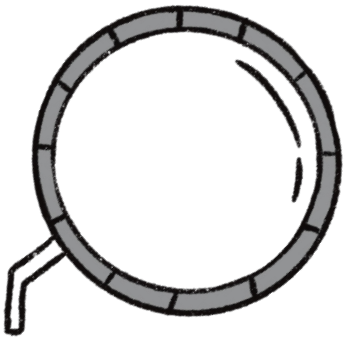
1. **Cut out** two circles or two other simple shapes.



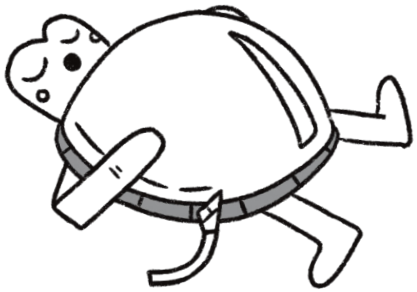
2. **Place** your straw or tubing between your two shapes.



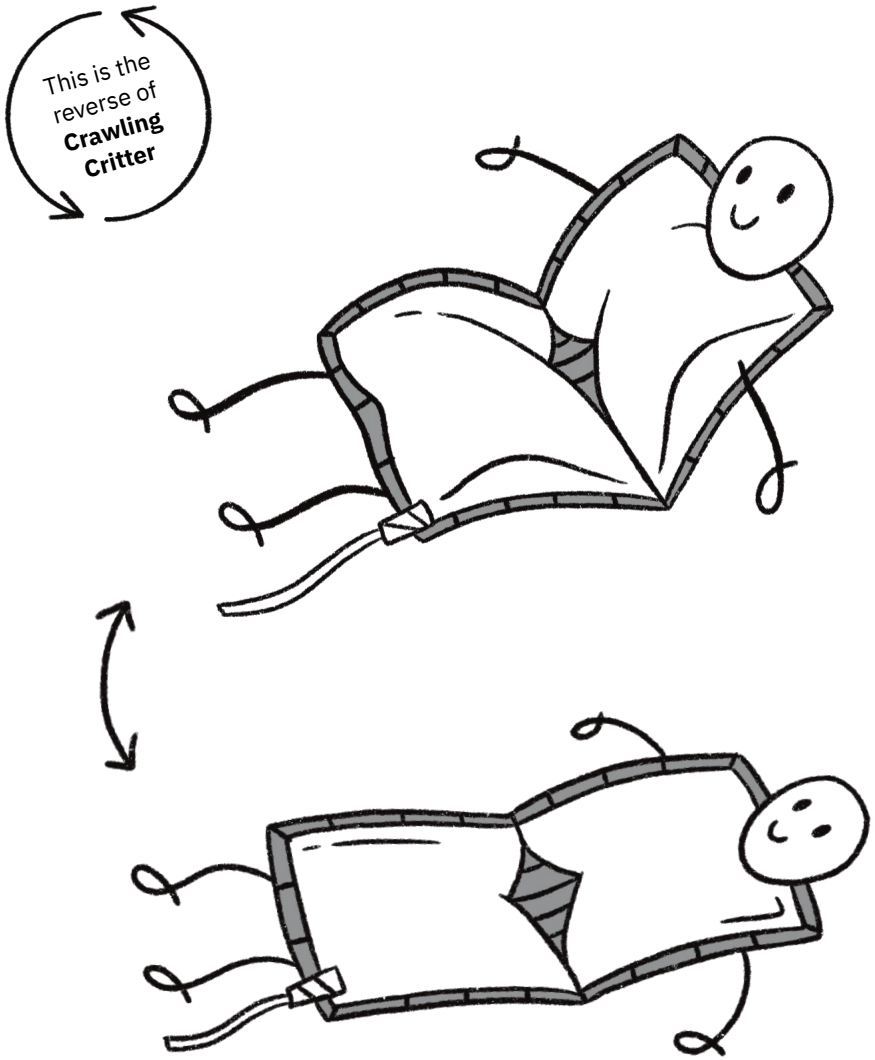
3. **Bind/seal** the edges and diamonds. Tape the straw or tube to prevent air from leaking.



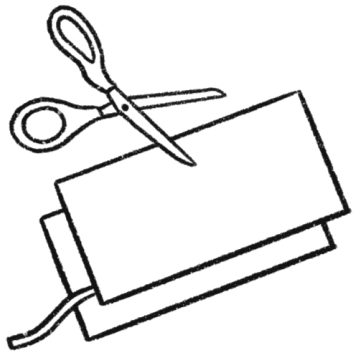
4. **Inflate.** The shape should puff up as you blow through the straw or tube.



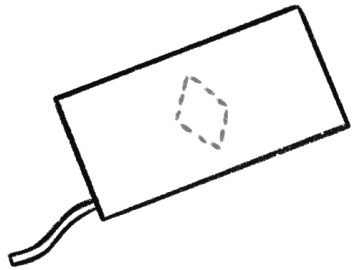
Bending Body



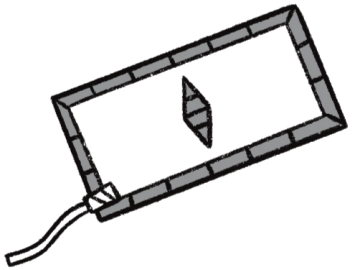
1. **Cut out** two rectangle shapes and **place** your straw or tube.



2. **Draw** a diamond in the rectangle's center.



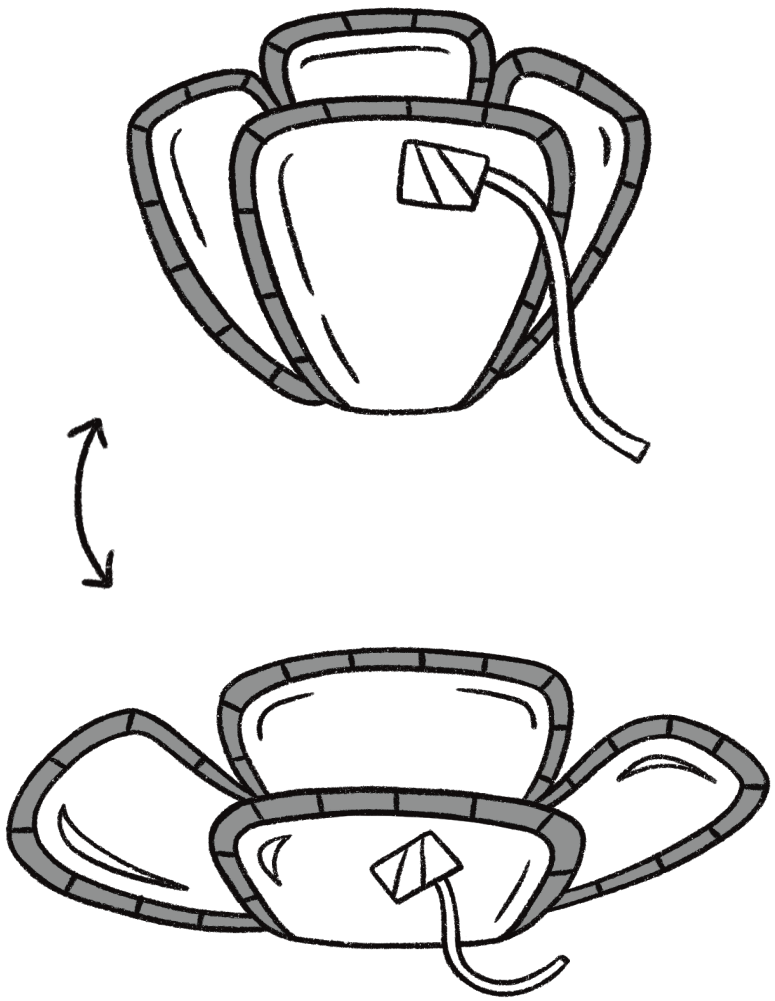
3. **Bind/seal** the shapes together along the edges and the diamond. Tape the straw or tube to prevent air from leaking.



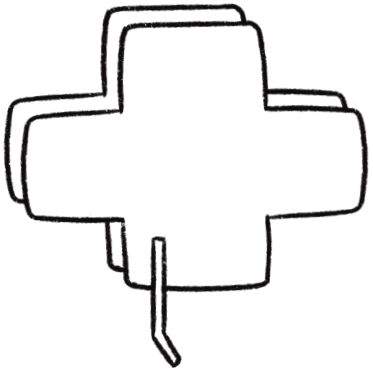
4. **Inflate.** Each end should puff up and bend toward the center creating a creasing motion.



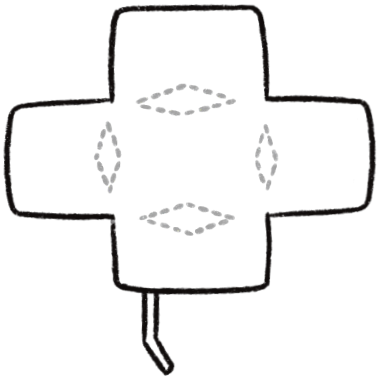
Folding Flower



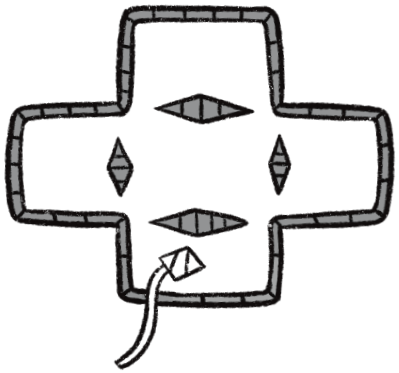
1. **Cut out** two cross shapes and **place** your straw or tube.



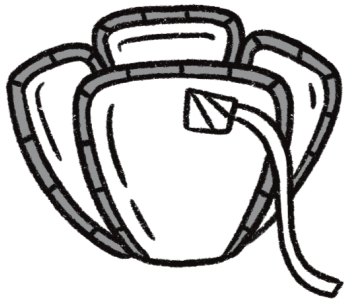
2. **Draw** four diamonds around the center.



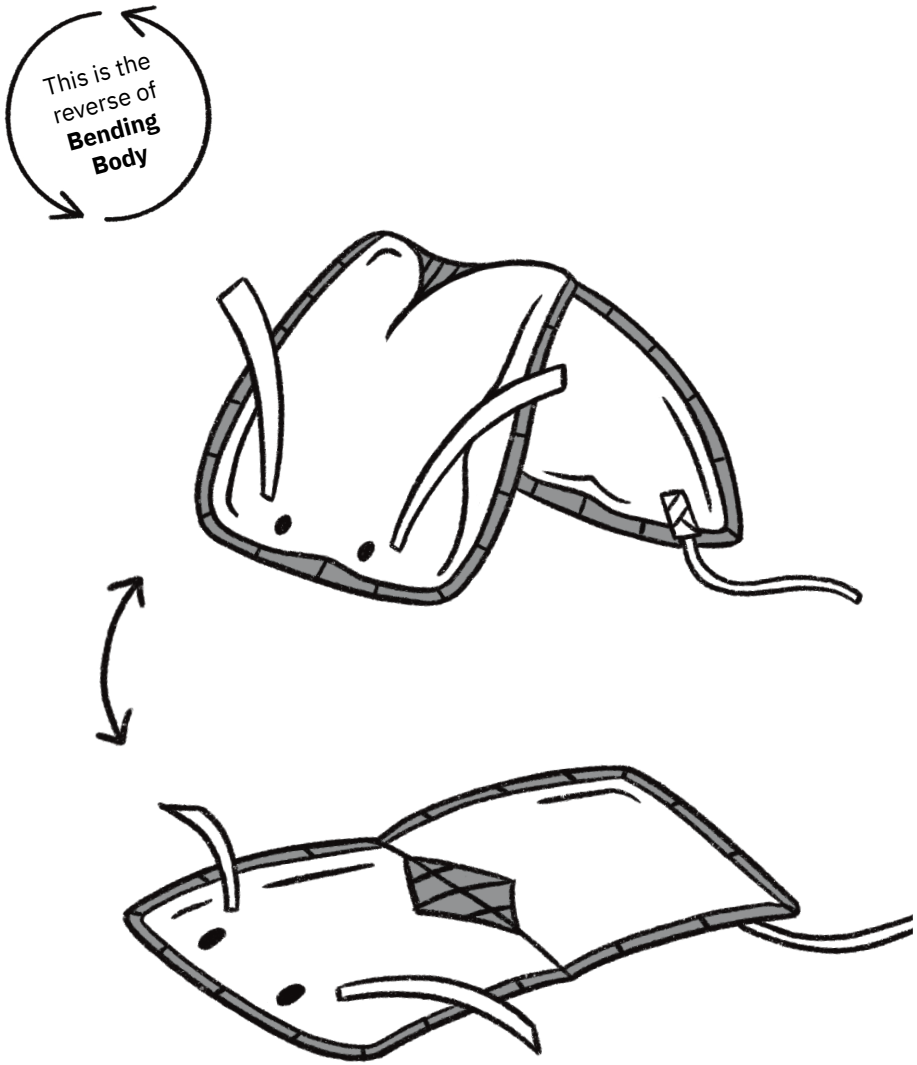
3. **Bind/seal** the edges and diamonds. Tape the straw or tube to prevent air from leaking.



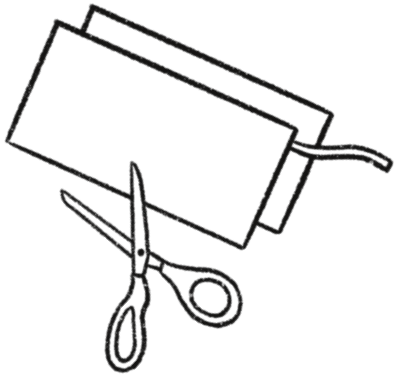
4. **Inflate.** Each end should puff up and bend toward the center in a grabbing motion.



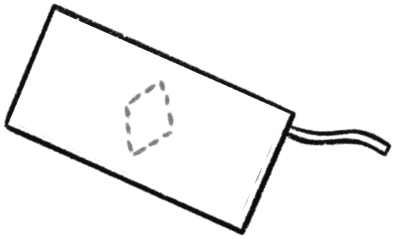
Crawling Critter



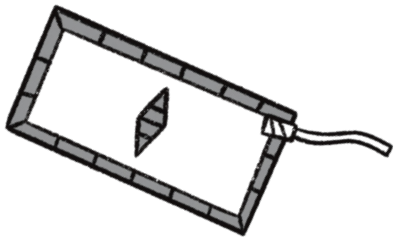
1. **Cut out** two rectangle shapes and **place** your straw or tube.



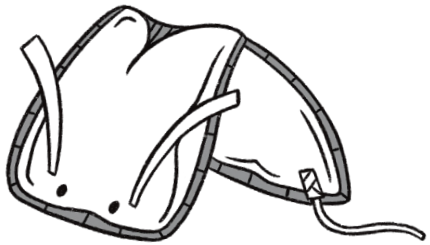
2. **Draw** a diamond in the center of rectangle.



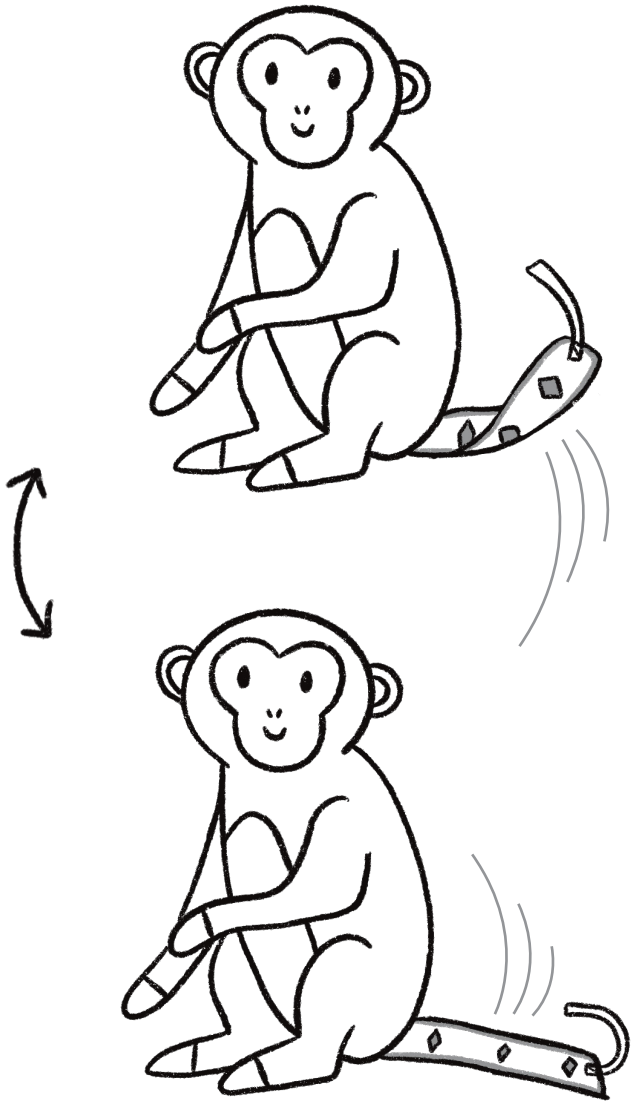
3. **Bind/seal** the shapes together along the edges and the diamond. Tape the straw or tube to prevent air from leaking.



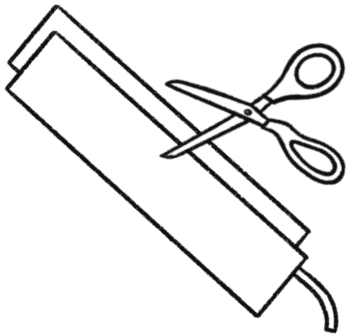
4. **Inflate.** Each end should puff up and bend toward the center creating a creasing motion.



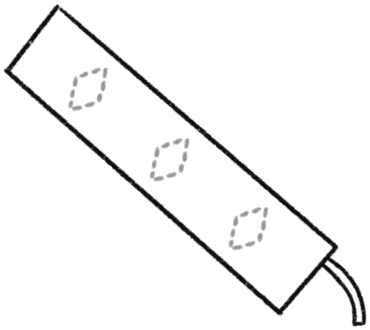
Twisting Tail



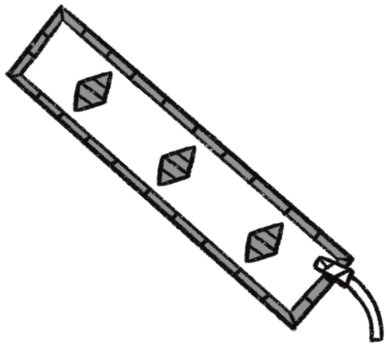
1. **Cut out** two rectangle shapes and **place** your straw or tube.



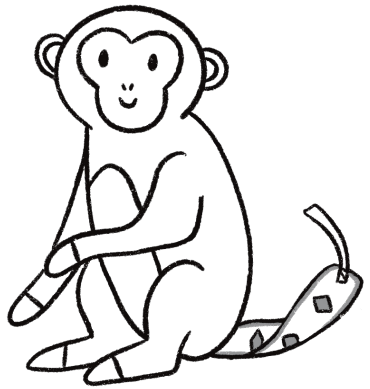
2. **Draw** three diamonds with space around them so air can flow.



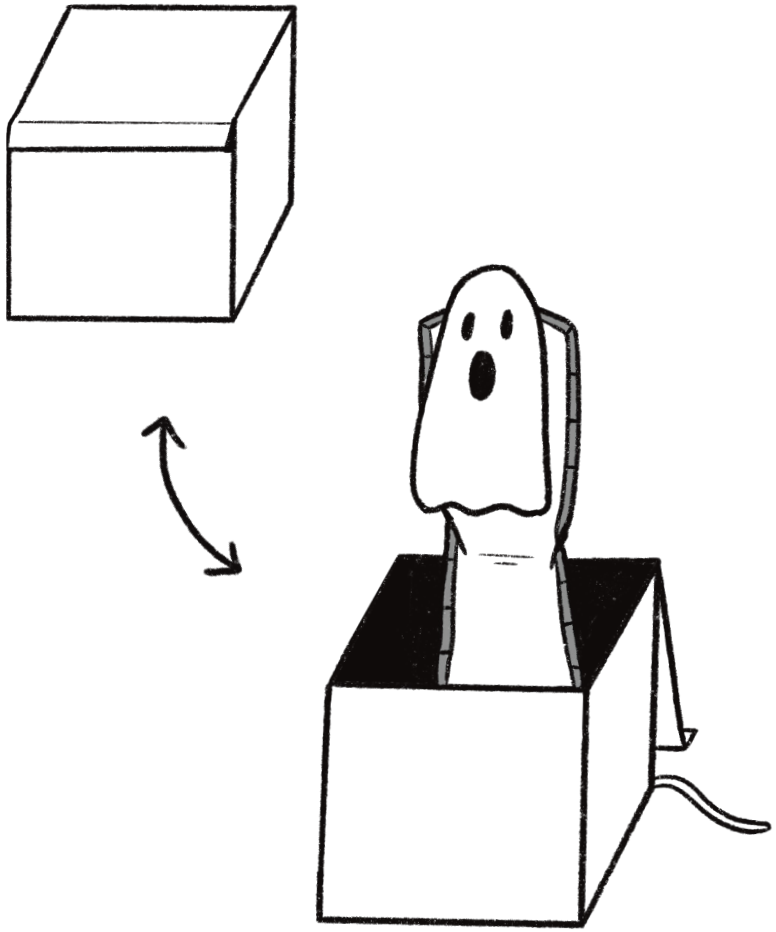
3. **Bind/seal** the shapes together along the edges and the diamonds. Tape the straw or tube to prevent air from leaking.



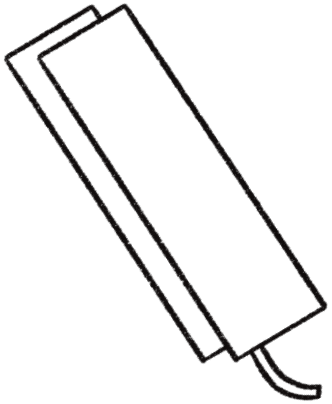
4. **Inflate.** The shape puff up and should start to twist around the diamonds.



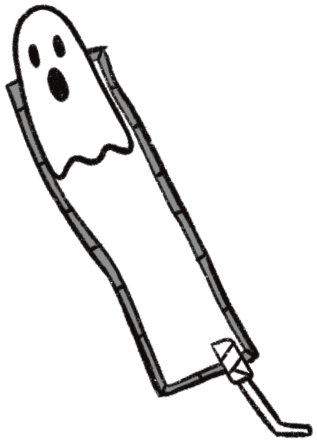
Pop Up



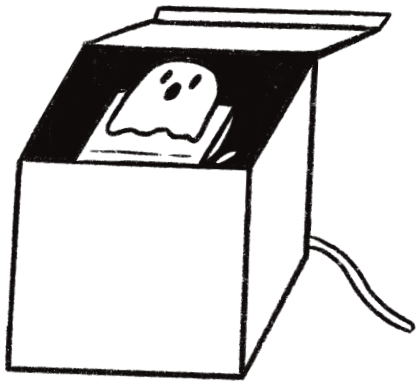
1. **Cut out** two rectangle shapes and **place** your straw or tube.



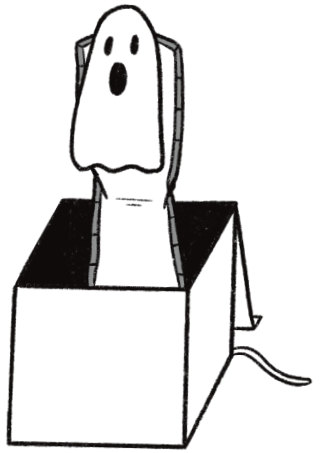
2. **Bind/seal** edges and decorate with your pop-up character.



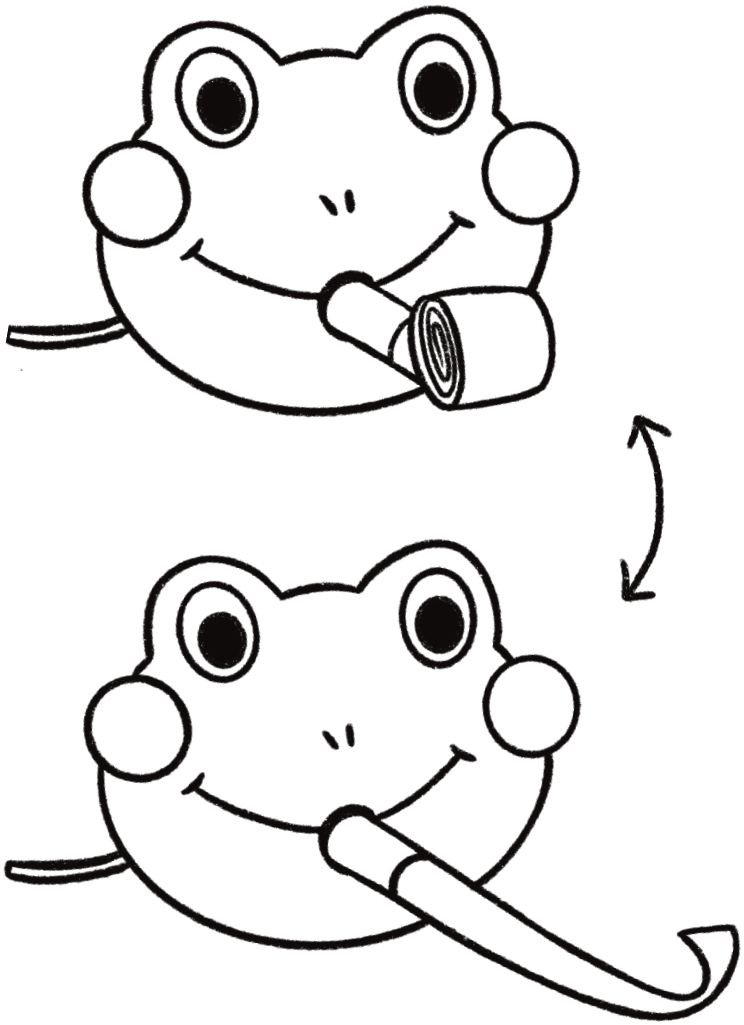
3. **Fold** the tube into the box with the tube/straw poking through to the outside.



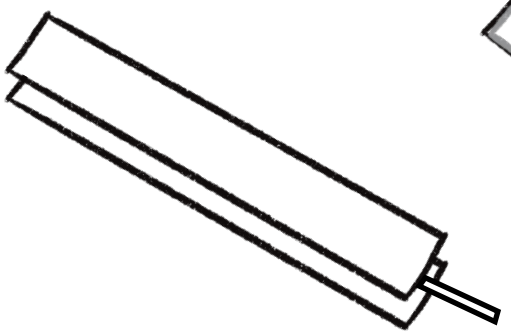
4. **Inflate.** Your character should push the top of the box and pop out.



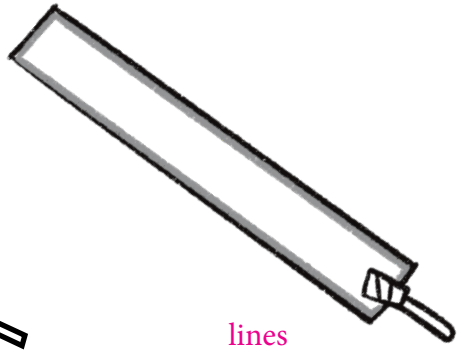
Zapping Tongue



1. **Cut out** two rectangle shapes and **place** your straw or tube.



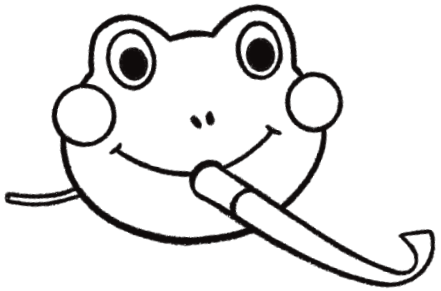
2. **Bind/seal** the edges and tape your straw.



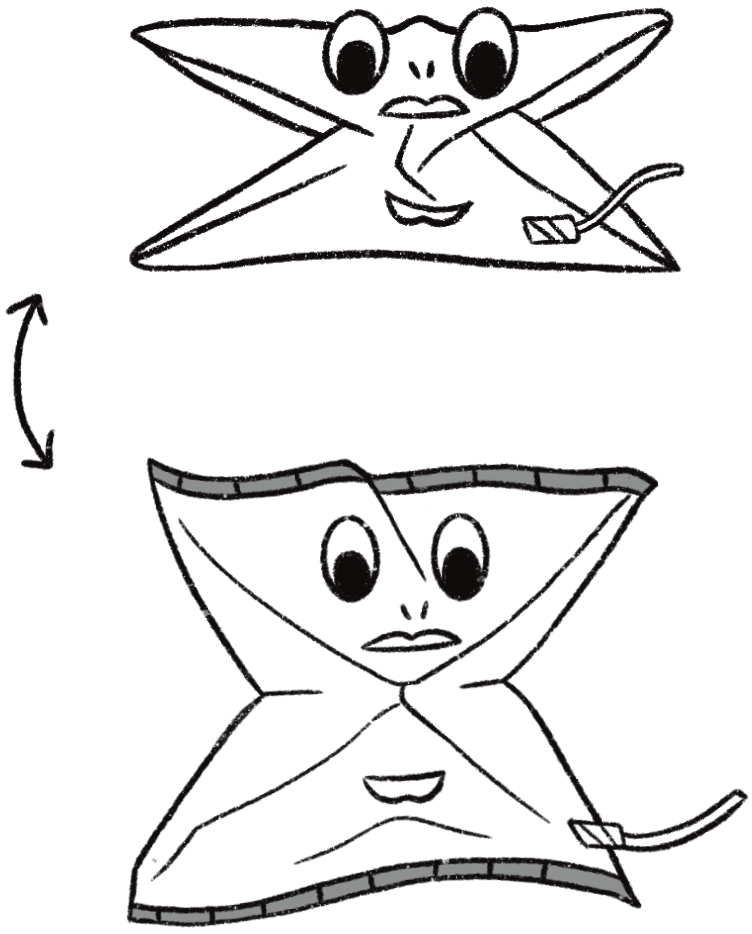
3. **Roll up** the rectangle. Make sure the roll is really tight! Wrap rubber bands around it to keep it secure.



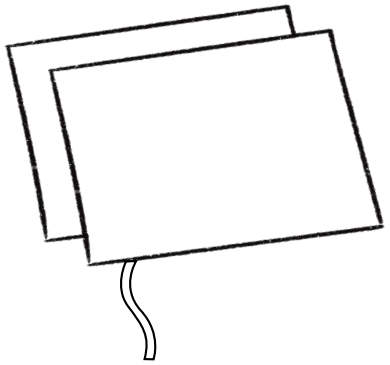
4. **Inflate.** Unwrap the rubber bands. The inflatable should unravel air is added and curl back in when air is removed.



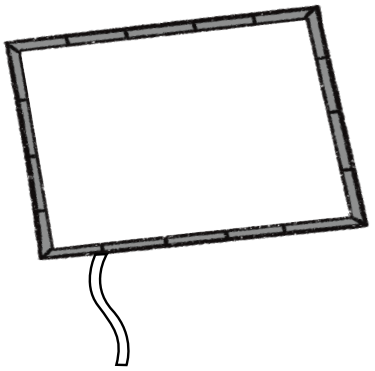
Squishy Face



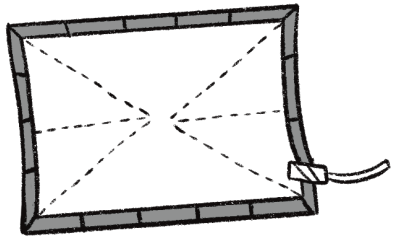
1. **Cut out** two rectangle shapes and **place** your straw or tube.

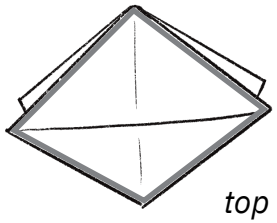


2. **Bind/seal** all edges.



3. **Fold** the sides inward to create mountain and valley creases.





top view

4. **Inflate.** The sides of the rectangle should fold in and the front should fold out like a triangle.

