TOOLS + SUPPLIES

Wood Hammer

Metal Center Punch

Paper Pattern

Edges Are Sharp!

Wood Block

You Will Also Need:

Clear Tape or Rubber Cement

Small Towel to Protect Table

Scissors

Small battery powered light

Jar or rolling pin
1. Prepare your workspace
   towel, wood block, center punch + hammer

2. Prepare your metal by taping pattern onto metal
   METAL EDGES ARE SHARP!!
   - Trim paper pattern if necessary. Trim to outside of line.
   - Attach paper pattern to center of metal with tape or rubber cement. Tape MUST be CLEAR!
   * Make sure tape touches pattern AND metal like this

3. Place metal on wood block and prepare to hammer in the pattern holes. Where there is a dot = hole, where there is a line = drawn line from back. Do holes FIRST

4. Make sure wood block is under area to be hammered. Place center punch tip on dot, support center punch, get fingers clear + strike center punch top with wood hammer. You should have a hole.

5. Repeat making holes, take care to move pattern + metal as needed as hammering to support on wood block. Repeat until all holes are punched.

6. Now make lines! Where you see a line, draw a line with the tip of the center punch. Be careful not to pierce metal - just lines! Lines can be drawn from front over pattern or from the back. (take note from pattern on front for where to draw lines - or make up your own!)
* Prep pattern on metal

Clean tape

* You can also use rubber cement

Prepped pattern on metal

Wood block to hammer on

Towel to protect table
EDGES WILL BE FOLD TOWARDS BACK

BEND UP USING A RULER + YOUR WOOD BLOCK. DON'T USE FINGERS TO BEND!!

- place ruler on edge ¼"-½" from edge depending on design (edge of pattern - non punched area)
- pull edge so edge to be bent is off the table
- use wood block to bend edge up against ruler edge
- bend just beyond 90° then remove ruler
- use wood block to complete bend by pushing flat down
- don't push onto pattern just edges
- repeat on all 4 sides
Fold towards back

Fold towards front

1 cut in crease

2 cuts
1 increase
1 to left of crease

Use something round like a jar or rolling pin to form flat pattern into a "Tube" shape.
9. These edges will "catch" and lock.

10. Place light inside!

* Catch edges fold together cuts you made become tabs

* Bend inner tabs (2 layers) down to lock. Outer layer remains up. Repeat on other side to complete

* Smooth any kinks out of edges with fingers