

# How to Make a Pizza Box Solar Oven

## Materials

- 1 Small pizza box
- Plastic wrap
- Aluminum foil
- 1 Wood skewer
- Marker
- Ruler
- Scissors
- Tape
- 1 Sheet black construction paper
- Food to cook
- Paper plate

## ✓ Procedure

1. On the top (lid) of the pizza box, use a marker to draw a square one inch from all sides of the box. See Diagram 1.
2. Use scissors to cut along the front and sides of the square you just drew. Leave the fourth side along the box's hinge uncut, as indicated on Diagram 1.
3. Tape aluminum foil to the inside surface of the new flap you just cut, with the shiny side visible. Smooth out any wrinkles. See Diagram 2.
4. Tape plastic wrap over the hole you cut into the lid. Seal all four of the edges with tape. See Diagram 2.
5. Open the entire box lid and tape black construction paper to the bottom of the inside of the box to help absorb the incoming sunlight. See Diagram 2.
6. Cover any air leaks around the box edges with tape. Make sure that the box can still be opened to place food inside or remove it later.
7. Go outside in the sunlight and place the box on a flat, level surface.
8. Place food on a paper plate and place inside the oven.
9. Tape one end of the skewer to the reflector lid, and attach the other end to the pizza box to adjust the reflector. See Diagram 3.
10. Let food cook, and check the reflector angle periodically to make sure sunlight is getting inside the solar oven.

Diagram 1

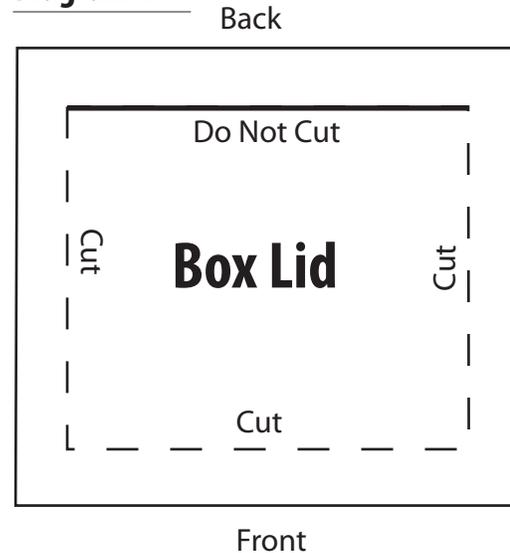


Diagram 2

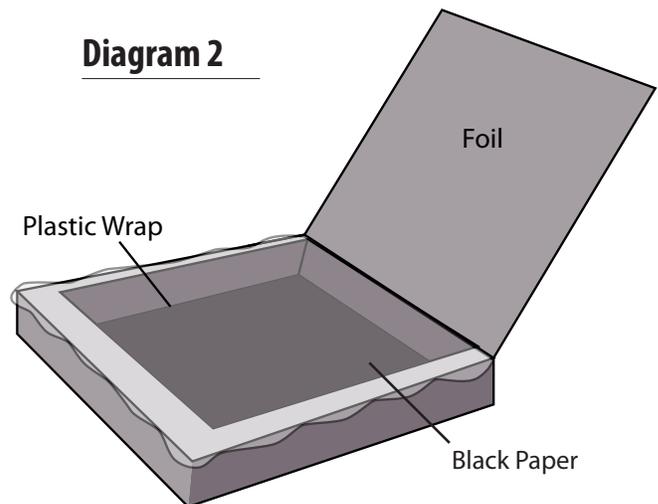


Diagram 3

