

Pizza Box Solar Oven

You will need:

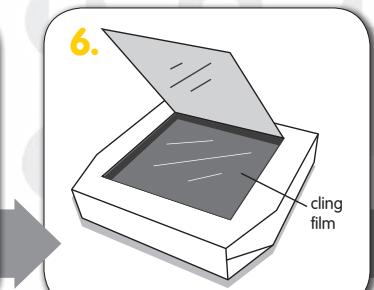
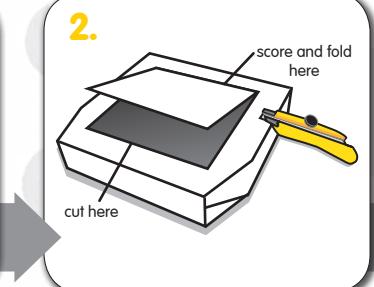
- A large pizza box
- Black paper
- Tinfoil or crisp packets
- Cling film or oven-roasting bags
- Newspaper
- Sticky tape and white glue

Tools

- 30cm ruler
- Craft knife or sharp scissors
- Marker pen

Method:

1. On the top flap of the pizza box use a marker to draw a square with edges spaced 3cm from the sides of the box.
2. Use a craft knife or sharp scissors to cut a flap in the lid of the pizza box. Cut along three sides and score the fourth. Fold the flap up gently.
3. Cover the underside of the flap with tinfoil or crisp packets with the shiny side facing up so that the rays from the sun will be reflected off. Be careful to make as few wrinkles as possible. This will reflect the solar radiation into the box.
4. Open the box and line the inside with black paper. This will help to absorb the heat.
5. Cut two pieces of cling film larger than the window in the lid, or stick together zip-lock food bags big enough to cover the window. With the lid open, tape the first piece to the underside of the window. Make sure it is completely sealed and stretched tight.
6. Next, close the lid but keep the flap open and tape the second piece of cling film to the window, taping all four sides down to create a seal. This will create a greenhouse effect inside the box, allowing the heat in but not letting it out.
7. Finally, roll up some newspaper into tubes approximately 2cm thick. Cover all four sides of the outside of the box and tape the newspaper to the bottom to secure it. This will insulate it and help to stop heat escaping.



Get Cooking!

