

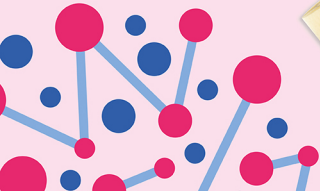
Make a pizza box oven

At-home science activity



You will need:

- A clean pizza box
- Aluminium foil
- Black construction paper
- Strong cling film or clear plastic (laminated plastic works well)
- Wooden dowl or straw
- Glue
- Scissors
- Marshmallows



Note: This activity works best in warm, sunny weather.

Safety note: Temperatures inside the oven may reach around 130°C.

1. Draw a square on the lid of the pizza box, leaving a border of about an inch from the edges.
2. Cut three of the sides and fold the fourth to create a flap.
3. Cover the inside surface of the flap with aluminium foil, smoothing it down and gluing into place.





5. Line the base of the box with aluminium foil and then cover this in black construction paper, taping these into place.

6. Close the lid then lift the top flap. Use a piece of dowel or straw to prop open the flap so that it can reflect the Sun's light (and heat) energy into the oven.

7. Place food, such as marshmallows, on a plate inside the oven. You may even manage to bake biscuits inside.

8. Monitor the temperature inside the oven with a thermometer or datalogging equipment.