

Make your own e-cooler

What you'll need:

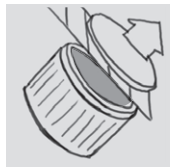
1. Lots of plastic bottles
2. A sturdy board (the size of your window)
3. Scissors or a pen-knife



Step 1: Cut holes on the board, they should be the size of the rim of the bottle. Ensure that the holes are spaced out enough to accommodate the body of the bottles.



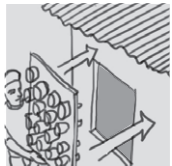
Step 2: Cut the bottles in half, crosswise.



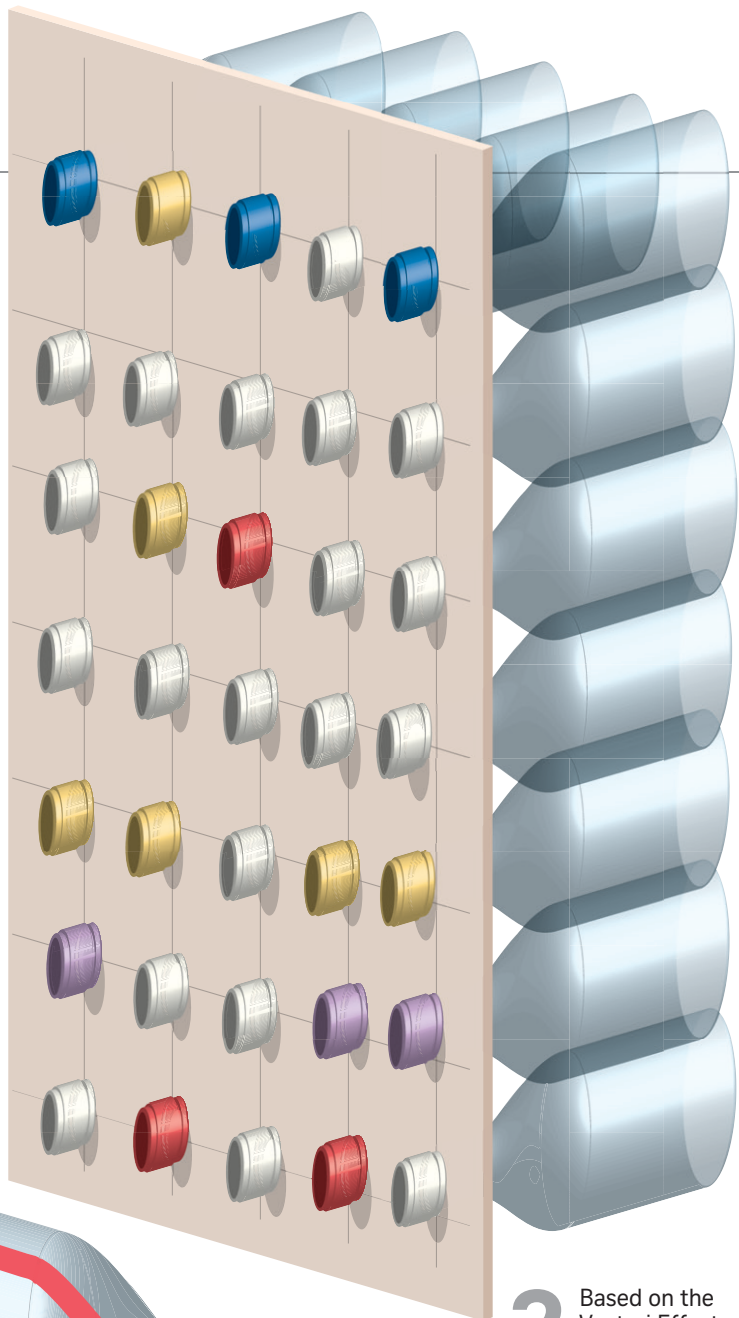
Step 3: Carefully cut away the tops of the bottle caps.



Step 4: Mount the cut bottles on the board. Secure them by screwing on the bottle caps on the other side.

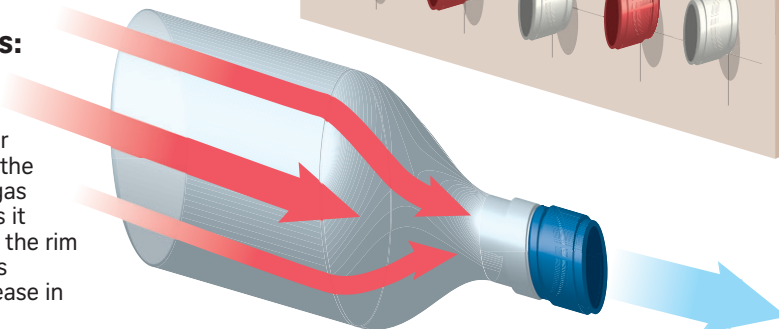


Step 5: Fix your eco-cooler on the window, with the bottle necks facing inwards.



How it works:

1 When hot air rushes into the bottle, the gas contracts as it approaches the rim of the bottle. This results in a decrease in pressure.



2 Based on the Venturi Effect, the drop in pressure results in an increase in velocity, which is what gives the air its cooling effect.