

Project sheet number 2

The waste-free witches hat

- What you will need:**
- A large plastic bottle
 - A small plastic bottle
 - 3 or 4 coloured plastic bags
 - A large cereal packet or cardboard box
 - Stapler
 - PVA glue
 - A sharp knife
 - Scissors

Step 1

Cut out the bottom of the large bottle

Step 2

Draw lines on large bottle from neck to base dividing the bottle into four. Cut along lines with scissors then cut four slots down each side of the four sections

Step 3

Cut a big circle out of the card for a hat brim. Measure round your head, and then use the measurement to draw a smaller circle in the middle of the hat brim

Step 4

Divide the smaller circle into triangular wedge shapes (the smaller circle should now look like a bike wheel with spokes!). Leaving small tabs at the bottom of the wedge shapes, cut away 3/4 of each wedge and bend the small tabs that are left upwards

Step 5

Check that it fits onto your head!

Step 6

Cover brim with PVA glue and plastic bag strips

Step 7

Cut long strips out of the coloured plastic bags (cut one 4inch wide strip of plastic bag too)

Step 8

Loosely thread the small strips of plastic bag into slits in the plastic bottle, making a zigzag pattern round the bottle

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Step 9

Cut the small bottle into segments the same as you did with the large bottle

Step 10

This time cut small holes in the ends of each segment

Step 11

Thread strips of plastic bag through the holes and tie them in a knot to secure them

Step 12

Push the small bottle onto the large bottle upside down and press the segments outwards

Step 13

Attach the big plastic bottle to the brim by stapling the plastic bottle to the cardboard tabs (make sure the sharp bits of the staples are on the outside)

Step 14

Wrap the 4inch plastic bag strip round the bottle base of the bottle to cover the cardboard tabs and staple it in place

**Now you have a
great waste-free
hat to scare your
friends with!**

