

Turning the world upside down

What you need:

- Cardboard cylinder
- Plastic lid
- Pin
- Scissors
- Tissue paper
- Sellotape
- Aluminium foil

What you do:

1. Draw a line 5 cm from the bottom of the tube, all around the tube, near the metal end.
2. Cut along the line
3. Use the pin to make one hole in the centre of the metal base of the cylinder
4. Cut a piece of tissue paper to fit into the plastic lid as perfectly as possible. Stick it just at the edges, not in the middle.
5. Put the plastic lid onto the cut end of the 5cm length of tube.
6. Join the two pieces of tube together, with the plastic lid being in the middle
7. Wrap aluminium foil around the length of the tube so no light can get in along it. Leave it long at the opposite end to where the small hole in the metal is - you want it to come out further than the tube.
8. Look through the wide part of the tube at something very bright. You should see it on the tissue paper screen inside the tube, but it will be upside down! This works best looking at something in the sunshine. Even then, though, the image will be dim. If you can't see the image, put a dark towel over your head and block out as much light as you can from coming in at the end you're looking in.