



Print out this page and cut out the conical mirror template above. The diameter of the circle should be 13cm. If using Adobe Acrobat to print make sure "Page Size and Handling" is set to "Actual Size". If using evince make sure "Page Scaling" is set to "None". Transfer the template to the reverse of a mirror sheet (either stick it on with a glue stick or draw round it), and cut it out. Use a craft knife to cut the slit where marked. Roll up the mirror sheet into a cone and insert the tab through the slit. Fix it in place using a glue stick on the overlap and some sticky tape on the tab.

Because of the stiffness of the sheet, the mirror will probably have slight kinks where the material is doubled. The image should still be acceptable, but if necessary these can be removed, and the mirror strengthened, by filling with expanding polystyrene foam. Fill the mirror with the foam (only half full—the foam expands more than you think) and place base down on a sheet of paper. Then weight the top with a book to push down on the point until the foam has hardened. This will help to make the cone more circular.

The paper can be cut to the size of the base if the foam has stuck to it. If the foam overflows it can be trimmed with a sharp knife to make a flat base.

