

HEARING HAT

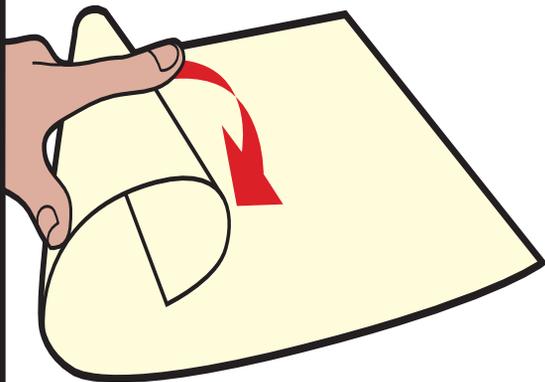
WHAT YOU NEED:

- A large sheet of thin card or thick paper*
- A pair of scissors
- Some sticky tape
- You will also need a 'quiet sound source', such as a ticking clock or watch, or maybe some music playing out of a pair of headphones.

*TIP: If you can't find a large sheet of thin card, and you only have large sheets of thinner paper such as newspaper pages, then maybe try using three or four sheets of the thinner paper layered together to make it thicker.

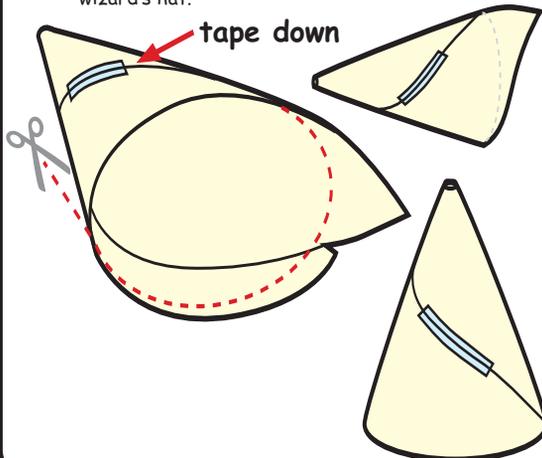
1

Roll up your large sheet of card or paper to make a cone shape. The cone should be very narrow at one end so that it can fit comfortably into your ear*, and as wide open as possible at the other end.



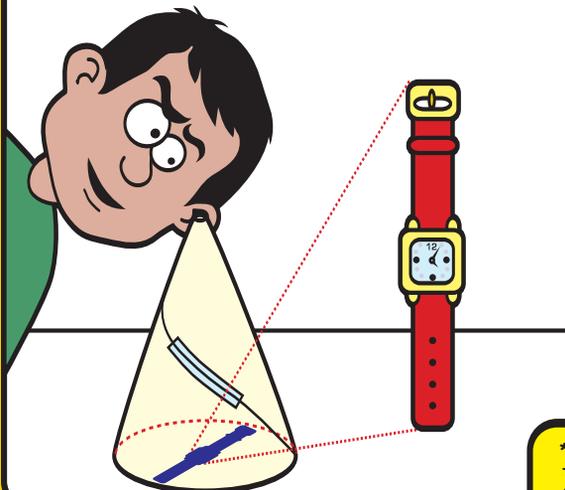
2

Tape the edges with the sticky tape to stop it unrolling. Then carefully trim around the edges of the wide open end with your scissors, to level it out so that you can stand the cone upright on a table, without it falling over, or wear it as a pointy wizard's hat.



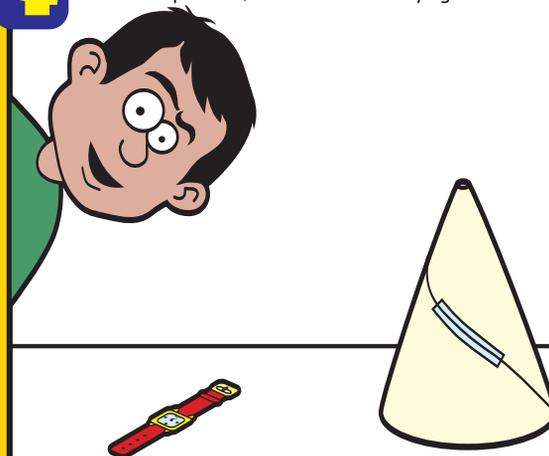
3

Resting your 'quiet sound source' on the table, place your cone over the top of it. Hold your head with one ear very close to the narrow opening at the top of the cone and listen carefully*.



4

Now remove the cone, keeping your head and ear in the same position, and listen carefully again.



*TIPS: The narrow open end of the cone should be just wide enough to fit the tip of your little 'pinkie' finger. Please be very careful and gentle when you place your ear against the narrow end of the cone.

Some Questions:

1. What did you notice?
2. What do you think is going on?
3. What other things could you investigate and think about?

