

BALLOON SPEAKERS



PROFESSOR PETE'S intro...

Background Information:

Small sounds can still make a big noise when you use a good sound conductor. Experiment with a balloon, compressed air and your own ears to find out how it works and the science behind it.



Step 1: Collect your equipment...

- 1x Balloon

Step 2:

- Blow up the balloon.

Step 3:

- Hold the balloon close to your ear while you tap lightly on the other side.



PROFESSOR PETE SAYS...

Despite you only tapping lightly on the balloon, your ears can hear the noise loudly. When you blew up the balloon you forced the air molecules inside the balloon closer to each other. Because the air molecules inside the balloon are closer together, they become a better conductor of sound waves than the ordinary air around you.