

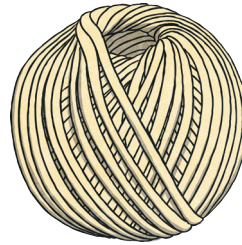
The Sense of Hearing

Yoghurt Phone (Y-Phone)

Materials



2 plastic yoghurt containers



A long piece of string

Instructions

- 1** Ask an adult to drill a tiny hole on the base of each yoghurt container.
- 2** Pass the string through the holes on the bases and make knots so that the knots are inside the yoghurt containers.
- 3** Both containers should be joined by the string.
- 4** Now ask your partner to place their ear at the mouth of one of the yoghurt containers and talk into the other. Can you hear anything?
- 5** Now try to pull both sides of the string very tight. Now repeat. Can you hear your partner now?

The science behind the experiment

Sound is transmitted through the air in waves. These waves can also be transmitted by materials such as string. However, waves only make the string vibrate if the string is tense.