



Describe how sound travels

You are going to investigate how you can change your hearing over long distances.

One person will be calling and the other will be listening. Each time the caller will say “hello” at the same volume. The listener will do each of the following:



Keep their hands by their side



Cup their hands around their ears



Hold a paper cone up to an ear



10m – 20m



Stretch:
Suggest how this experiment would be different if the people were further apart?

Challenge:
Suggest how this experiment be different on a windy day?

- Which method made it easier to hear the caller?

- Explain why you think this made it easier to hear the sound.

- Describe what happens to the sound waves after they have left the caller's mouth.

- Explain why sounds get quieter the further they travel.

