



# The Science of Sound



You have been asked to create an educational programme for children to explain how different sounds travel to our ears. The producers of the programme want you to explain the link between the loudness of a sound and the size of the vibrations, and explain how these sounds reach our ears.

Work with your group to plan the episode. All members of your group should take part equally. Make sure your explanations of how different sounds travel are clear and easy to understand. You may choose to use pictures or diagrams to support your explanations. Get into character and have fun!

1. Introduce yourselves and tell the audience what the programme will be about.

*Hello and welcome to The Science of Sound! In this episode we will be...*

2. Explain the link between loud and quiet sounds and the size of the vibrations.

*Sounds are made by vibrations. Loud sounds...*

3. Explain how sound travels from a sound source to our ears.

*The vibrations that make the sound travel to our ears. The vibrations...*

4. Give your audience any more information you think they need to know, then thank them for watching.

*Thank you for watching The Science of Sound! We hope...*

You may want to use these words to help you:

sound      small      air      particles      ear      hear  
big      source      travel      loud      quiet      vibration



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