

Year 4 - Summer - Science Knowledge Organiser - Sound

What I already know...

This will be the first time, that children have learnt about sound in school.

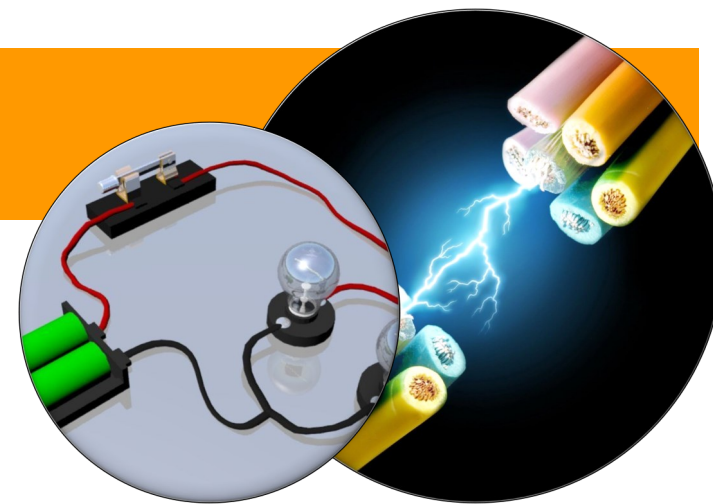
They will build upon their general knowledge of how sounds are made and the volume of sounds.

Key Vocabulary

vibrations	Something moving backwards and forwards very quickly
sound source	Where sound comes from. A sound source will produce vibrations
pitch	How high or low a sound is. It depends on the frequency of the sound
volume	How loud or quiet a sound is. It depends on the amplitude of the
wave	A sound wave is an invisible wave which moves through different medi-
frequency	How many vibrations are made in one second
medium	A material that allows the transfer of energy from one place to another, eg solids, liquids and gases

What I will learn...

- To identify how sounds are made, associating some of them with something vibrating
- To recognise that vibrations from sounds travel through a medium to the ear
- To find patterns between the pitch of a sound and features of the object that produced it
- To find patterns between the volume of a sound and the strength of the vibrations that produced it
- To recognise that sounds get fainter as the distance from the sound source increases



Making a difference at The Merton & beyond

Children will learn how we hear and the importance of our hearing.

They will learn through scientific enquiry and practical investigations, helping them understand the concept fully to understand the world around them.

Science skills I will learn:

Working Scientifically:

- Asking relevant questions and using different types of scientific enquiries to answer them
- Setting up simple practical enquiries, comparative and fair tests
- Recording findings using simple scientific language, drawings, labelled diagrams
- identifying differences, similarities or changes related to simple scientific ideas and processes