



# Year 4 - Summer 1 - Science Knowledge Organiser



## What I already know...

This will be the first time that children have learnt about sound in science. It will build upon their musical knowledge of pitch and volume.

### Building on Prior Learning:

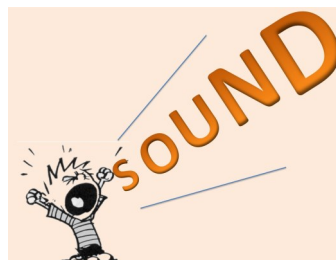
(EYFS – Sound) Listen to sounds outside and identify the source & Make Sounds (Y1 - Animals, including humans) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

## Key Vocabulary

Pitch	How high or low a sound is
Volume	How loud or quiet a sound is
Ear drum	Part of the inner ear
vibration	Shaking movement
Source of noise	Where the noise is made

## What I will learn...

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



## Making a difference at The Merton

Children will investigate how sounds are made and how they are heard.

They will work collaboratively to create sounds of different pitches and volumes. They will learn about when people might want to reduce noise and explore how to muffle and block sounds.

## Making a difference at home

Can you make a musical instrument?

How are you going to change the pitch of the sound?

Can you play your instrument at different volumes?