

Year 3/4 Sound Knowledge Organiser



What do I already know ?



- I can identify, name, draw and label the basic parts of the human body. (Y1)

Gems of knowledge



- I will learn how sound is made.
- I know that vibrations from sounds travel through a medium to reach the ear.
- I know how to change the pitch of a sound.
- I know how to change the volume of a sound.
- I can explain how distance affects the volume of a sound.

How will I work like a Scientist?

- I will ask and answer questions using different types of scientific enquiry (Y3- when prompted).
- I will set up investigations (Y3-with some support).
- I will make observations using equipment.
- I will take accurate measurements using standard units. (Y3- with some support).
- I will gather, record, classify and present data in a variety of ways to help to answer a question. (Y3- with support).
- I will record findings using simple scientific language, drawings and labelled diagrams/charts.
- I will report on my findings from an investigation.
- I will use scientific evidence to answer a question.
- I will use results to draw simple conclusions.



Key vocabulary

Meaning

Sound

Sound is created when an object vibrates.

Vibration

A quick movement back and forth.

Travel

To move from one place to the other.

Pitch

How high or low a sound is.

Volume

The loudness of a sound.

Amplitude

The size of the vibration.
Louder sounds have a larger amplitude.

Significant Scientist



Aristotle was a Greek philosopher who developed the concept that sound travelled through the air due to the movement of air particles.



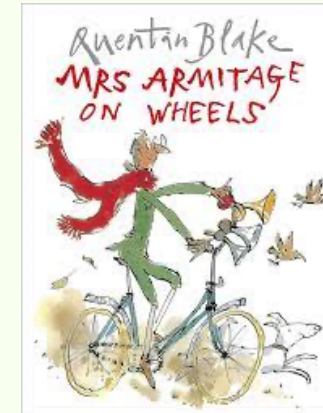
Careers in Physics



Sound technicians are scientists that set up and operate sound and video equipment.

Audiologists help people with their hearing.

Read me!



Mrs Armitage on Wheels by Quentin Blake.

https://www.youtube.com/watch?v=BL_Jl19V16s

Nothing Stopped Sophie by Cheryl Bardoe.

https://www.youtube.com/watch?v=Qu_igMYt7cQ

