



Year 4 – Autumn 2 – Physics

Sound

We are learning about:

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

We are learning to:

- **plan an enquiry using data loggers** - To be able to use a scientific enquiry to answer a question. To be able to set up a simple fair test. To be able to make systematic and careful measurements with a data logger.
- **say what I have found out** - To be able to report on findings from an enquiry. To be able to identify differences, similarities or changes related to simple scientific ideas.

Key vocabulary

vibrating, pitch, patterns, source, distance, data logger, similarities, differences