



Physics: Sound

What should I already know?

- Objects make different sounds.
- Hearing is one of the five senses.
- Pitch is how high or low a sound is.

What am I going to learn?

- Sound is made through vibration.
- Vibrations from sounds travel through mediums (objects) to the ear.
- Vibration makes the air around an object vibrate and the air vibrations travel and enter your ear.
- There are patterns with the pitch of a sound and the features of the objects that produced it.
- There are patterns with the volume of a sound and the strength of the vibrations that produced it.
- To recognise that sound gets fainter as the distance from the sound source increases.

Vocabulary

Amplitude	The size of a sound wave. A larger amplitude = a louder sound.
Pitch	How high or low a sound is.
Volume	How loud or quiet a sound is.
Sound waves	Invisible waves that travel through the air, water and solid objects (mediums) as vibrations.
Source	Where a sound comes from.
Decibels	How we measure sound.



Connecting Concepts

Enquiry Types	Observing changes over time	Pattern Seeking	Identifying, Grouping and Classifying	Fair Testing	Research	Problem Solving
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Ask/ answer questions

I will *ask questions* about how sound travels and what factors can change the volume and pitch.



Plan/perform investigations

I will *plan an enquiry* to explore how distance affects the volume of a sound.



Record and report data

I will *report* how different factors alter the volume and pitch of sound.