



Endpoints for Science

Year 4 – Sound



We will be learning about sound, how sounds are made and how sounds travel as vibrations to the ear. We will also be learning about pitch and volume.

What I know and can explain

Sound waves travel through a medium, such as air or water, to the ear.

A sound source is something that vibrates and creates a sound, such as human vocal cords, part of a musical instrument or a piece of machinery

When energy is put into a sound source it starts to vibrate. These vibrations disturb tiny particles of air. They vibrate and collide with each other, creating sound waves

When the sound waves enter the ear, the eardrum vibrates. These vibrations pass through small bones, called ossicles, and are turned into electrical signals in the cochlea. They travel to the brain and are interpreted as sounds

Sounds are louder when more energy is put into a sound source because the vibrations and sound waves are larger.

Useful Vocabulary

Decibel (dB) - A unit used to measure the volume of sound

Pitch - The highness or lowness of a sound

Sound wave - A pattern of vibrations created by a sound source that travels through a medium to the ears

Volume - The loudness of a sound