Key Vocabulary

Vibrations – moving (wobbling) very quickly back and forth.

Pitch – how high or low a sound is

Volume – how loud or quiet a sound is

Faint – barely hear something

Insulation - material that is used to stop heat, sound, or electricity from escaping or entering.

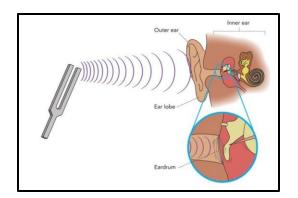
Soundproofing – a way to reduce the movement of sound.

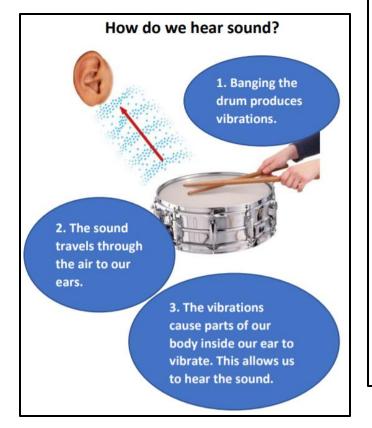
Sound wave – how sound/vibrations travel through the air.

Year 4 Sound

Sound

Sound is a type of energy. Sounds are created by vibrations. The louder the sound, the bigger the vibration.







The size of the vibration is called the amplitude.

Louder sounds have a larger amplitude, and quieter sounds have a smaller amplitude.

The closer we are to the sound source the louder it will be.



A train arriving at a station sounds loud.

The further away from a sound the fainter it will



A train in the distance sounds quieter.

As well as travelling through air (gas), sound can travel through solids and liquids:



Insulating sound



<u>Pitch</u>

