

Science Topic : Sound

Year 4

Term 3/4

To understand:

- Sounds around them and to describe them.
- How to identify high, low, loud and quiet sounds.
- How different sounds are made, through observation.
- The changes sound makes over a distance.
- The best materials to choose that will absorb sound.
- How a musical instrument works.
- How sound sources vibrate to make sounds.
- The way in which sound travels.
- That vibrations change when a sound gets louder.
- That sound needs to travel through something.

Key Vocabulary

Investigate	To study through close examination and questioning.
Absorb	To take in or soak up.
Vibration	A rapid motion (as of a stretched chord) back and forth.
Sound	Sound is produced when something vibrates. The vibrating body causes the medium (water, air etc) around it to vibrate.
Instrument	A device used to produce music.
Pattern	A melodic pattern (or motive) is a cell or germ serving as the basis for repetitive pattern.
Pitch	The quality of a sound (high or low) dependent on the speed of the vibrations.
Material	Any substance that has a name.
Soundproofing	Suppressing unwanted soundwaves.
Travel	An object or items journey.
Volume	The perception of loudness from the intensity of the soundwave.
Amplitude	The distance between the peak and trough of a soundwave.
Wave	A travelling disturbance that moves through space and matter.
Distance	The length of the space between two points.
Transmit	To broadcast or send out.

