



## Science Knowledge Organiser Term 4

### What's that sound?



#### Key Objectives

- To identify how sounds are made.
- To identify how sounds are made, associating some of them with something vibrating.
- To find patterns between the volume of a sound and the strength of the vibration that produced it.
- To find patterns between the pitch of a sound and features of the object that produced it.
- To recognise that sounds get fainter as the distance from the sound source increases.
- To recognise that vibrations from sounds travel through a medium to the air.

#### Key Vocabulary

Sound Source	
Vibration	
Volume	
Pitch	

#### Sticky Knowledge

- **Know that sound is caused by vibration that travels through a medium to the ear.**  
Sound is made when an object vibrates. A vibration is a movement that goes up and down, left and right or forwards and backwards.
- **Recognise how pitch and volume can change according to the produce of the sound and the strength of the vibration.**  
Stronger vibrations produce louder sounds. Weaker vibrations produce quieter sounds. Faster vibrations produce a higher pitch sound. Slower vibrations produce a lower pitch sound.
- **Reocgnise that sounds get fainter as they travel further from the source.**  
Sounds get quieter the further they travel because the sound energy spreads out and some is absorbed by the air.