



## Y4 Thinking like a Scientist

### Sound

#### Key Knowledge

We will identify how sounds are made. We will learn that vibrations from sounds travel through a medium to the ear and find patterns between the pitch of a sound and features of the object that produced it. We will find patterns between the volume of a sound and the strength of the vibrations that produced it. We will recognise that sounds get fainter as the distance from the sound source increases.

#### Key vocabulary

#### Rocket Words

Vibration	Particles moving very quickly
Medium	A substance such as air, water or a solid
Source	The start of something
Energy	The power to make something work, move or grow
Materials	Anything used in making something or building
Reflect	Bounce back from a surface
Volume	How loud or quiet a sound is
Decibels	The unit to measure loudness
Pitch	How high or low a sound is
Instruments	Objects used to play music
Particles	Tiny pieces that make up something larger
Sound source	The object that started the sound



#### Learning Questions

Can I understand how sounds are made?

Can I explore how vibrations from sounds travel through a medium to the ear?

How can I insulate from sound?

Can I explore volume?

Can I explore pitch?

Can I explore sounds from near and far?

