Science

Autumn 2

Key Vocabulary

Sound	Source	Vibration
Pitch	Volume	Insulation

The Big Question

How are sounds made?

What skills do we need?

- Ask relevant questions
- Gather, record, classify and present data to help us answer questions
- Identify differences, similarities or changes in scientific ideas
- Make careful observations and use a range of equipment

Small Steps

Lesson 1
Identify how sounds are made

Lesson 2
Recognise that vibrations travel through a medium to the ear

Lesson 3
Find patterns between an object and the pitch of sound it makes

Lesson 4
Find patterns between volume and vibrations

Lesson 5
Recognise the relationship between volume and distance from the source

Forever Facts

- Sound is produced when an object vibrates
- Sound can travel through different mediums such as air, water and metal (solid)
- Volume is how loud or quiet a sound is and is measured in decibels. Bigger vibrations = louder sound
- Pitch is how high or low a sound is. Higher frequency of waves = higher pitch
- Sound travels out in all directions from the source in sound waves