

SOUND

Year 4



Physics

National Curriculum Objective

Identify how sounds are made, associating some of them with something vibrating

Recognise that vibrations from sounds travel through a medium to the ear

Find patterns between the pitch of a sound and features of the object that produced it

Find patterns between the volume of a sound and the strength of the vibrations that produced it

Recognise that sounds get fainter as the distance from the sound source increases

Key Vocabulary

prediction	source	ear
investigate	vibrate	Ear canal
fair test	medium	Ear drum
experiment	volume	Auditory nerve
method	waves	travel
equipment	pitch	sound

Substantive – Subject Knowledge Bigger Picture – Support words

Glossary

pitch	
volume	

Question driven outcomes for knowledge:

	Pupil	Teacher
What is the association between sound and vibration?		
What is the connection between the volume of a sound and the strength of the vibration?		
What are the patterns between the pitch of a sound and the features of the object that produces it?		
How do sounds travel through different mediums to the ear?		
What happens to the volume of a sound as you move further away from the sound source?		