

Brentside Knowledge Organiser - Science

Year: 4

Why is music enjoyed by so many?

National curriculum: Identify and recognise sounds

What I should already know:

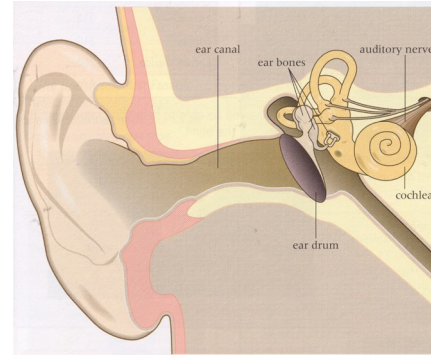
This is pupils first introduction to sound. However, most pupils will know

- Sounds travel through vibrations
- What sounds are, which sounds we enjoy
- Our brain processes the sounds we hear
- We use our ears to hear

Some may also have an understanding of

- Pitch
- Volume

Diagrams:



What I should know at the end of the topic:

	Identify how sounds are made
	Understand that vibrations from sounds travel to our ears through a medium
	Find patterns between the pitch of a sound and the object that produces it
	Recognise the patterns and links between the volume of a sound and the strength of the vibration that produces it
	Recognise that sounds become fainter as we increase our distance from its source

Vocabulary

Sound	vibrations that travel through the air or another medium and can be heard when they reach a person's or animal's ear
Vibrations	, invisible waves that move rapidly up and down, and that our brain reads as sound.
Pitch	the quality of a sound governed by the rate of vibrations producing it; the degree of highness or lowness of a tone.
Volume	the volume is the perception of loudness from the intensity of a sound wave
Strength	Auditory sound strength is the level at which we experience sound
Fair trade	A term used in science experiments where we change variables one at a time to see the impact
Auditory nerve	The auditory nerve is a bundle of nerve fibers that carries hearing information between the cochlea the brain

Investigate:

What makes music so enjoyable?