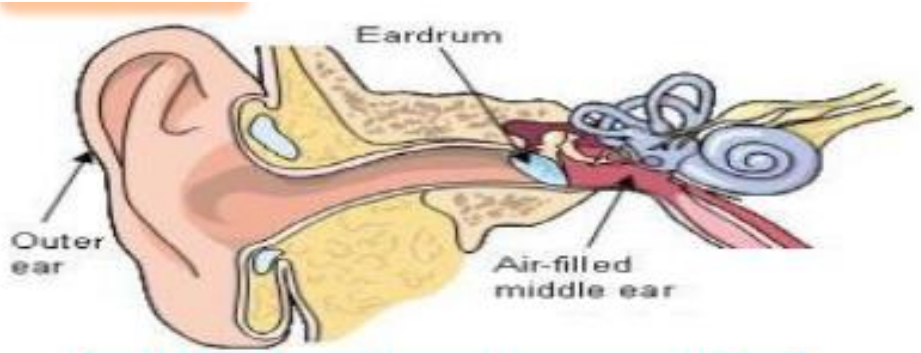
St. Paul's C of E VA Primary and Nursery School
Knowledge Organisers

Year Group: Year 4
Topic: Sound

Key Vocabulary

Volume	How loud or quiet a sound is
Pitch	How high or low a sound is
Vibration	To move continuously or very quickly
Material	What something is made of
Sound	A noise that can be heard by someone
Distance	How far away or near something is



How do we hear those sounds?

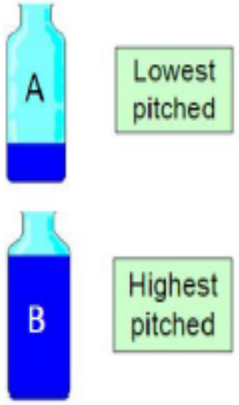
The vibrating air hits our ear drums and makes them vibrate. The vibrations is picked up by our brains and changed to sounds we recognise.

Volume

The closer we are to the sound source, the louder the sound will appear to us. The more energy in the first vibration, the louder the sound will be.

Pitch

The shorter the vibrating object, the higher the pitch of sound.



How is a sound made?

A sound happens when something vibrates. This can be obvious, like a drill hitting the ground repeatedly. This can be less obvious, like the air in the bottle vibrated to produce noise.





How do those sounds travel?

- **Through the air** – like from a TV speaker across the room to your ears
- **Through an object/material** – like stone, brick, water and glass.