Year 4: How does sound travel?

Subject Specific Vocabulary

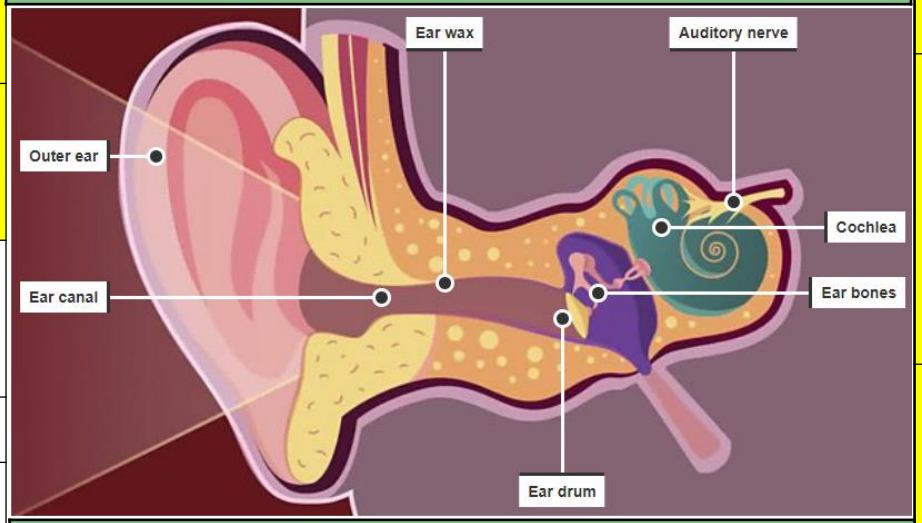
vibration	Sound is caused by the vibration of a medium (usually air) and it travels in waves.
pitch	A high sound has a high pitch and a low sound has a low pitch. A tight drum skin gives a higher pitched sound than a loose drum skin.
volume	The louder the sound, the louder the volume, the bigger the vibration.
insulation	A material that is used to stop you hearing or reduce the volume of a sound
faint	A sound that is not strong or clear
cochlea	The cochlea looks like a spiral-shaped snail shell deep in your ear. It plays an important part in helping you hear.
auditory	Auditory is another word for hearing
source	Where the sound comes from or starts

Vibrations

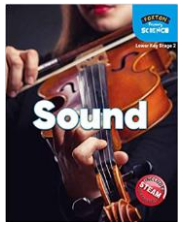
Sounds are made when something vibra
By placing rice on a drum, you can see the vibrations when you hit the drum, as as hearing the sound.

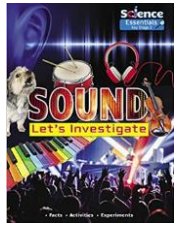


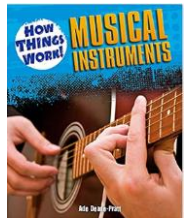
The ear



Recommended reads





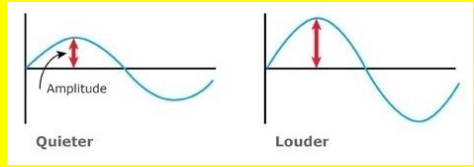


Sticky Knowledge

Sound is created when something vibrates and sends waves of energy (vibration) into our ears.

When you clap your hands, the air around your hands shakes. This is the air molecules vibrating

Volume The louder the sound, the bigger the vibration.



Pitch - Pitch is how high or low a sound is. So on a stringed instrument: shorter, thinner and tighter strings produce a higher pitch

