

Year 4 - Sound

What should I already know?

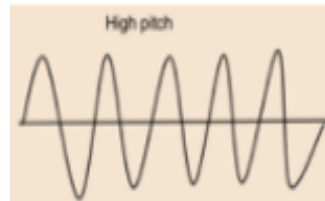
- Sounds come from a source.
- Sounds are made by vibrations
- We hear sounds through our ears
- The closer we are to the source of the sound the louder it is.
- The further away from the source of the sound, the quieter it seems.

Key Vocabulary

Pitch	How high or low a sound is.
Vibrate	When something moves up and down or from side to side very quickly.
Frequency	The number of sound waves produced by a sound source in a certain time
Source	The object or place where a sound starts or is created from
Sound wave	The way in which sounds (vibrations) travel through either, solids, liquids or gases.

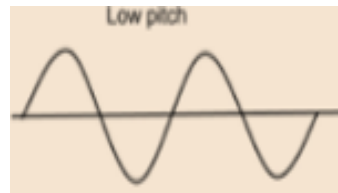
High Pitch

- Sound waves travel faster.
- They vibrate faster.
- Many sound waves are produced
- Wave lengths are shorter.



Low Pitch

- Sound waves travel slower.
- They vibrate slower.
- Fewer sound waves are produced.
- Wave lengths are longer



Facts about sound

- When an object vibrates, sounds are made.
- These sounds travel in waves known as **sound waves**.
- Faster and shorter waves create **high pitch** sounds.
- Slower and longer waves create **low pitch** sounds.