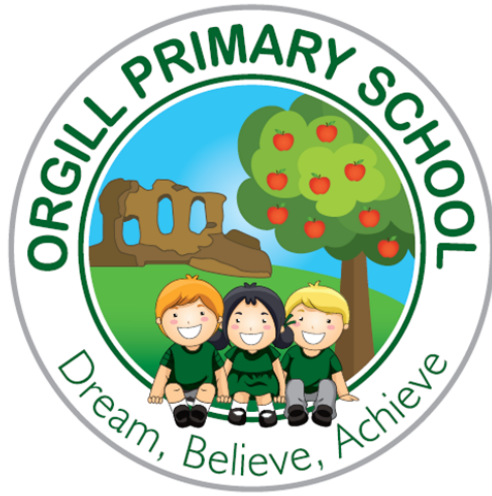
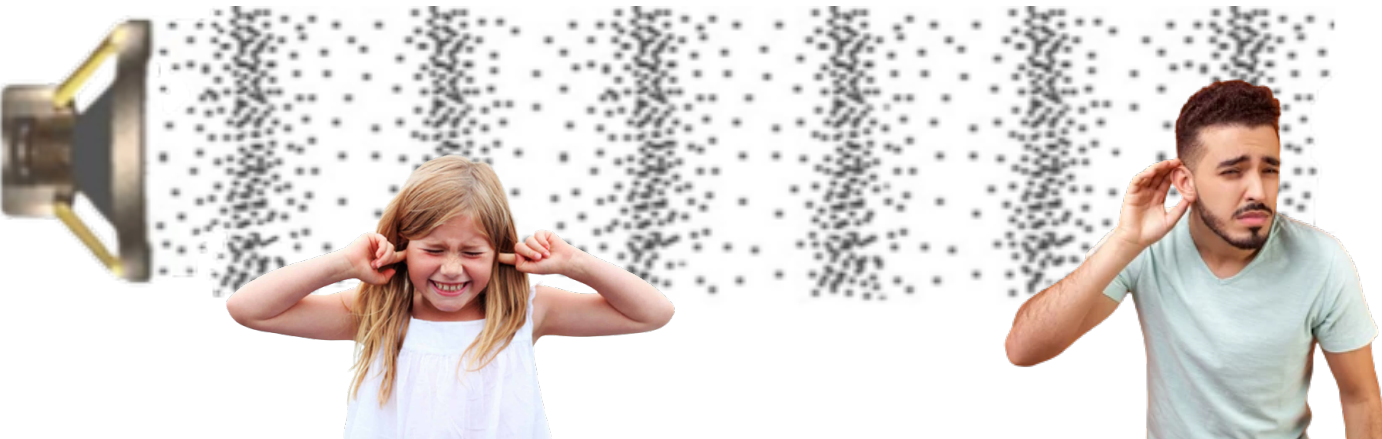


Vocabulary	
<b>Echolocation</b>	How some living things, such as dolphins, detect objects. They make high squeaks and listen for their echoes.
<b>Pitch</b>	How high or low a sound is.
<b>Sensor</b>	Something that detects light, movement or sound.
<b>Vibrate</b>	To move quickly.
<b>Volume</b>	How loud or quiet a sound is.




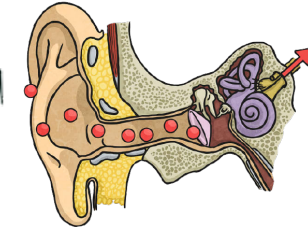
# Year 4 Good Vibrations

- Sound travels in waves through the air.
- Sounds are made by an object vibrating.
- The further away the sound, the quieter it is.



What I need to know:

**How does sound travel?**


- When an object vibrates, it vibrates the air particles around it.
- The air particles pass on the vibrations until the ones near your ear vibrate.
- They shake tiny hairs inside your ear and this sends messages to your brain.

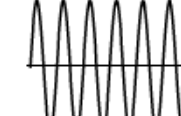
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**Pitch**

- The higher the pitch, the faster the vibration.

Low Pitch



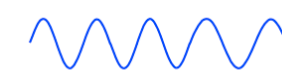


High Pitch

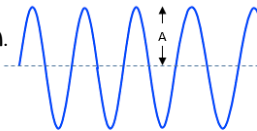
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**Volume**

- The louder the sound, the bigger the vibration.



Quiet Sound



Loud Sound