



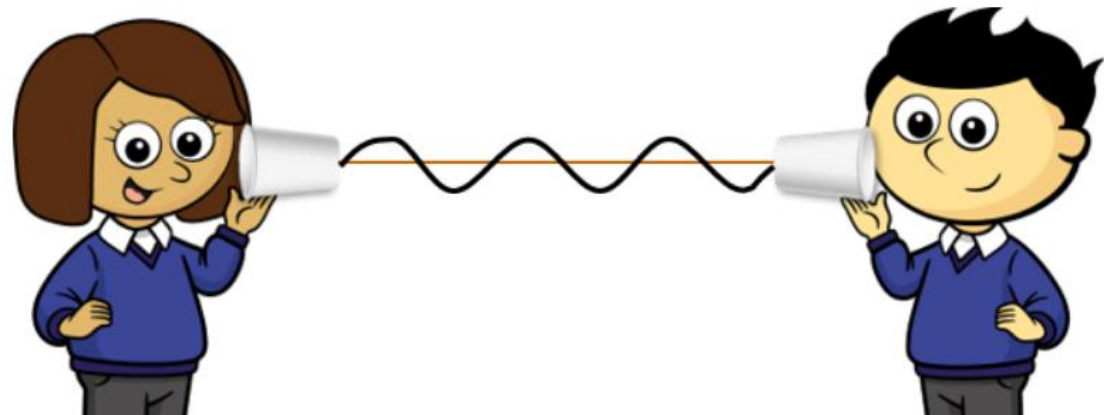
KNOWLEDGE ORGANISER: Science- Sound Year 4 Spring 1

Key Vocabulary

Vibration	A quick back and forth movement
Ear	Organ that detects vibrations
Sound	Vibrations that are heard when they reach the ear
Volume	How quiet or loud a sound is
Pitch	How high or low a sound is
Outer ear	Visible part of the ear
Ear drum	Thin layer that can vibrate
Ear canal	A tube that runs from the outer ear to the ear drum
Ear bones	Tiny bones that transfer vibrations
Cochlea	Spiral shaped tube in the inner ear

Key Knowledge

- Understand how sound travels. – Understand volume and pitch. – Learn that sounds travel through air and water. - Learn the component parts of the ear. – Develop an understanding of how sound waves travel through the ear and are heard. – Relate facts to musical instruments and real life situations – Engage in experiments relating to sound.



Learning Intention: To understand the basic premise of sound and how this applies to our hearing and that of other animals.

- To understand how sound travels through vibrations and can vary in pitch and volume.
- To understand how the human ear works. Its component parts and what function each of these play in our hearing.

Resources



Websites

Textbooks

Reading Links

✓ [Pitch - BBC Bitesize](#)

✓ Tim Peake (2017) *Ask an Astronaut*, Century

✓ [How are sounds made? - BBC Bitesize](#)

