

Living things and their habitats	Animals including humans	States of matter	Sound	Electricity
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**Year 4 – Sound**

**Knowledge**

- To know how sounds are made – vibrating.
- To know that vibrations need a medium to travel through to get to the ear.
- To know that different objects can produce a different pitch.
- To know that ‘stronger’ vibrations produce greater volume.
- To know that sound gets fainter as the distance from the source increases.

**Skills**

- **making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including data loggers**

Observe high and low pitched instruments comparing the sounds made with the types of vibrations. Show how volume effects the size of vibrations by observing e.g. rice on a drum.

Use dataloggers to take and record the measurements of the volume of sound using standard units. (Comparative testing and Observtions)

- **setting up simple practical enquiries, comparative and fair tests**

This could be achieved by investigating through a comparative and fair test, how the distance effects the strength of the sound. (Comparative and Fair testing)

<b><u>Vocabulary</u></b>	
Pitch	
Vibrations	Frequency
Medium	Vibrate
Volume	Insulate
Conduct	particles
Vacuum	
Waves	
Faint	

**Preload**

- Forces and magnets –  
Vibrations – forces required to make noise.