



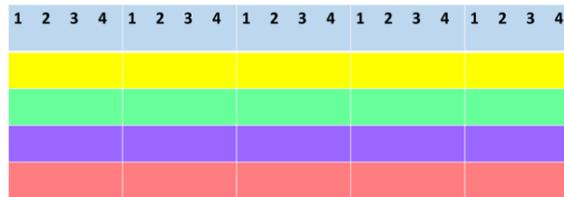
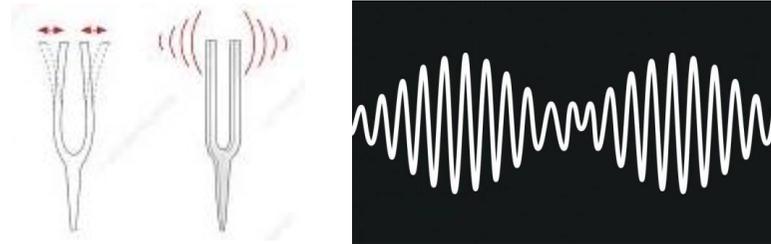
# Lacock Primary School – Year 3/4 Beech Class. Sound (Science)



## Important Vocabulary

Vibration	Wobbling very quickly back and forth. When you pluck a guitar string, you can see it vibrating
Sound waves	If an object vibrates the air particles close to it, this will cause the other air particles to vibrate as well forming a sound wave.
Soundproof	If something is soundproof, it uses material that reduces or completely absorbs sound waves.
Source	In this unit we will be looking at sources that produce soundwaves – e.g. music instruments
transmit	The passage of sound from one point to another.
decibel	The unit we will use for measuring the loudness of sounds
pitch	The pitch is how high or low the sound is. High sound – high pitch, low sound- low pitch
tune	You can tune musical instruments to make sure they produce the perfect pitch
detect	To discover or notice.

Include here images/pictures/maps/diagrams



## Key Skills

- To identify how sounds are made, associating some of them with something vibrating
- To find patterns between the volume of a sound and the strength of the vibrations that produced it
- To recognise that vibrations from sounds travel through a medium to the ear
- To recognise that sounds get fainter as the distance from the sound source increases
- To find patterns between the pitch of a sound and the features of the object that produced it.

## How do we hear?



Sounds are made as an object vibrates. The vibrations create soundwaves that travel into our ear. The ear drum vibrates and sends messages to our brain.

## Key Knowledge/Facts

- Sound is a type of energy
- Sound is created when objects vibrate, vibrations are rapid repeated movements
- Sound energy travels in soundwaves. These are invisible waves
- Soundwaves enter your ear, your ear drum starts to vibrate and sends messages to your brain
- In space there is no air. Therefore soundwaves cannot be transmitted, we cannot hear in space.
- The volume of a sound is measured in decibels.

What I should already know:

This is the first time Sound has been on the national curriculum for science



This learning will help me in the future when I learn:

Sound waves in Physics at Secondary school