



St Bernadette's Catholic Primary School - Eucalyptus Class

Sound

Gospel Value – Joy –
Awe and Wonder

What I should know- • Explore how things work. (Nursery – Sound) • Describe what they see, hear and feel whilst outside. (Reception – Sound) • Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. (Y1 - Animals, including humans)

Key Knowledge

- A sound produces vibrations which travel through a medium from the source to our ears.
- Different mediums such as solids, liquids and gases can carry sound, but sound cannot travel through a vacuum (an area empty of matter). The vibrations cause parts of our body inside our ears to vibrate, allowing us to hear (sense) the sound.
- The loudness (volume) of the sound depends on the strength (size) of vibrations which decreases as they travel through the medium. Therefore, sounds decrease in volume as you move away from the source.
- A sound insulator is a material which blocks sound effectively.
- Pitch is the highness or lowness of a sound and is affected by features of objects producing the sounds. For example, smaller objects usually produce higher pitched sounds.

Sound vibrations
can travel through
different materials:

SOLIDS: metals,
stone, wood

LIQUIDS: water

GASES: air



Vibrating air molecules



Key Vocabulary

Sound – vibrations that travel through the air or another medium and can be heard when they reach a person's or animal's ear.

Source – any person, animal, device, equipment, operation, process, activity, or phenomenon that emits or causes sound

Vibrate – move continuously and rapidly to and fro.

Vibration – an instance of vibrating.

Travel – move, typically in a constant or predictable way.

Hear – perceive with the ear the sound made by (someone or something).

Volume – a measure of how loud or soft something sounds.

Pitch – how high or low a sound is.

Faint – a faint sound has very little strength or intensity.

Loud – with a great deal of volume.

Insulate - protect (something) by interposing material that prevents the loss of heat or the intrusion of sound.