

# Science Knowledge Organiser Sound (Term 4)

Year 4

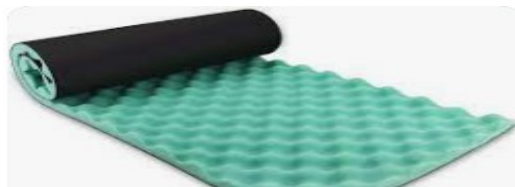
## Our learning

In our science lessons this term, we will be learning about sound. This is part of the **physics** aspect of science. Through our learning we will be considering the **cause and effect** of simple scientific processes.

We will learn how sound is made and how we can hear it.



Sounds travel in waves to our ears.



Foam is a good insulator of sound

## Information

Sounds are made by **vibrations**.

Sounds made by vibrations travel in **waves**, through different materials, to the ear.

Vibrations travel in waves through the ear to the brain.

Vibrations cause part of the ear to vibrate, allowing us to hear (sense) the sound.

A sound will be louder if you are closer to where the sound starts (**source**)


The **pitch** of a sound can be high or low.




Some materials **insulate** (stop sound from travelling) sound better than others.


## As a scientist I will...


- Use data to make predictions.
- Answer questions using scientific evidence.


## Vocabulary


  
Vibration - Shaking


 Sound wave - When the  air  shakes because

  
an object is vibrating

 Volume - How loud or quiet a sound is

 Pitch - How high or low a sound is

 Faint - A quiet sound

 Loud - A strong sound

