

## Science Topic: Sound

Year 4 Summer 1



### Prior Learning

In Years 1, 2 and 3, we learnt that energy comes in different forms and can be transferred between forms. We know that all matter (stuff) is made up of small building blocks called particles. We also learnt about our body's senses and know that ears are associated with sound.

### What? (Key vocabulary)

<b>Vibrations</b>	A rapid, repeated movement which can affect the particles around it.
<b>Percussion</b>	Instruments or sound created by striking two objects together.
<b>Instruments</b>	A device used to make music.
<b>Medium</b>	The material that sound can travel through, which can be a solid, liquid or gas.
<b>Vacuum</b>	A completely empty space with no particles in it.
<b>Frequency</b>	How often something occurs or vibrates.
<b>Sound Waves</b>	Vibrating air particles that carry sound from its source to your ear.
<b>Volume</b>	How quiet or loud a sound is.
<b>Pitch</b>	How high or low a sound is.
<b>Ear Drum</b>	A membrane in the ear that vibrates in response to sound waves.
<b>Echoes</b>	Sound waves that are reflected off a surface so that sound appears to be repeated.

### Who? (Significant people)

<b>Pythagoras</b>	The first scientist to notice that sound is caused by vibrations.
<b>Jens Blauert</b>	Studies how animals can locate where sounds come from.