

Science Year 4 Knowledge Organiser

Main Learning: Sound

Key knowledge	Vocabulary	
<p>Know how we get to hear things and how sound is created</p>	<p>pitch</p>	<p>A high sound has a high pitch and a low sound has a low pitch</p>
<p>Know how sound is made and what happens as sound travels away from its source</p>	<p>volume</p>	<p>Is the perception of loudness from the intensity of a sound wave. The higher the intensity of a sound, the louder it is perceived in our ears</p>
<p>Know how sound travels from the source to the ears</p>	<p>vibrating</p>	<p>Sound is caused by the vibration of a medium (usually air) and it travels in waves</p>
<p>Know to associate sound with vibration</p>	<p>frequency</p>	<p>This is measured as the number of wave cycles that occur in one second</p>
<p>Know the correlation between pitch and the object producing a sound</p>	<p>vibrating</p>	<p>Sound is caused by the vibration of a medium (usually air) and it travels in waves</p>
<p>Know the correlation between the volume of a sound and the strength of the vibrations that produced it</p>	<p>hammer</p>	<p>The ear has little bones called ossicles that help you hear. They are called the hammer (malleus), anvil (incus), and stirrup (stapes). They amplify the sound or make it louder</p>

