


**Year 4 Summer 1**

**Sound**

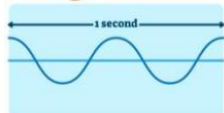
**Enquiry Question: How are sounds made?**

**Pitch**


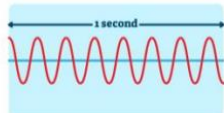
The pitch of a sound is how high or low it is. A squeak of mouse has a high pitch. A roar of a lion has a low pitch.



**PITCH**



Low Frequency - Low Pitch - Low Sound

High Frequency - High Pitch - High Sound

A high pitch sound is made because it has a high frequency. The sound source vibrates many times a second.

What should I already know?	What will I know at the end of the unit?
<ul style="list-style-type: none"> <li>I know that hearing is one of my five senses.</li> <li>I know that animals use ears for hearing.</li> <li>I can explore the role of muscles.</li> </ul>	<ul style="list-style-type: none"> <li>I can identify how sound is made.</li> <li>I can explore how vibrations from sounds travel through a medium to the ear.</li> <li>I can explore sound insulation.</li> <li>I can explore volume.</li> <li>I can explore pitch.</li> <li>I can explore sounds.</li> </ul>

Vocabulary	
vibration medium source energy materials reflect	volume decibels pitch instruments particles sound source

Recommended Reads	Jobs for the future
 	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Acoustics Consultant</p> </div> <div style="text-align: center;">  <p>Musical Instrument Maker and Repairer</p> </div> <div style="text-align: center;">  <p>Audiologist</p> </div> </div>

Suggested Investigations
When is our classroom the quietest? (Observation over time) How do musical instruments make sound? (Pattern Seeking & Identifying and Classifying) How does the volume of a drum change as you move further away from it? (Comparative and Fair Tests) Which material is best to use for muffling sound in ear defenders? (Identifying and Classifying) How can we change the pitch of a sound? (Comparative and Fair Tests) How does the volume of a drum change as you move further away from it? (Comparative Tests)