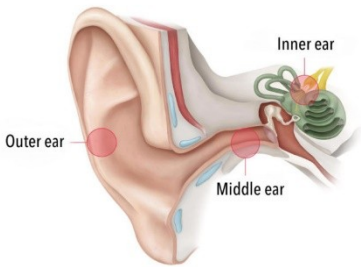




Subject: Science	Year group: 4 Term: Autumn 2	Title: The Great Plague - Physics
What should I know? • That our ears allow us to hear sounds • There are many different things that make/create sounds • That sounds can have different volumes	Facts I will learn ... • How sounds are made and the association with vibrations • That the vibrations from a sound travel through a medium to our ears • That patterns can be formed from the pitch and volume and the object creating the sound • That sounds get fainter as the distance from the source of the sound increases 	Key questions ... • How does sound travel through our ears? • What can affect the pitch and volume of a sound? • Does everyone hear things the same way? • Do things sound different to different people? • What are vibrations and how are they made?

Key Skills... - Identifying and explaining how something makes a sound - Being able to find patterns between the pitch of a sound and the object that produced it - Being able to find patterns between the volume of a sound and the strength of the vibrations it produced - Explaining the relationship between the volume of a sound and the distance of the source.	Experiences that school may provide: - The opportunity to hear live music - The opportunity to learn how to play an instrument	Key vocab and definition <table><tr><td>Sound</td><td>Vibrations that travel through the air and can be heard when they reach a person’s or animals ear.</td></tr><tr><td>Source</td><td>A place, person or thing from which something originates.</td></tr><tr><td>Quiet</td><td>Making little or no noise.</td></tr><tr><td>Soft</td><td>A quiet and gentle sound.</td></tr><tr><td>Noise</td><td>A sound that is usually loud.</td></tr><tr><td>Vibrate</td><td>Move continuously and rapidly to and fro.</td></tr><tr><td>Vibration</td><td>An instance of vibrating.</td></tr><tr><td>Travel</td><td>To journey along of through something.</td></tr><tr><td>Volume</td><td>The quantity or power of sound.</td></tr><tr><td>Pitch</td><td>The quality of a sound governed by the vibrations making it.</td></tr><tr><td>Instrument</td><td>An object for producing musical sounds.</td></tr><tr><td>Percussion</td><td>Musical instruments</td></tr></table>		Sound	Vibrations that travel through the air and can be heard when they reach a person’s or animals ear.	Source	A place, person or thing from which something originates.	Quiet	Making little or no noise.	Soft	A quiet and gentle sound.	Noise	A sound that is usually loud.	Vibrate	Move continuously and rapidly to and fro.	Vibration	An instance of vibrating.	Travel	To journey along of through something.	Volume	The quantity or power of sound.	Pitch	The quality of a sound governed by the vibrations making it.	Instrument	An object for producing musical sounds.	Percussion	Musical instruments
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Web links https://www.bbc.co.uk/bitesize/subjects/z2pfb9q (light and sound area) https://www.topmarks.co.uk/Search.aspx?q=sound	Experiences that could be provided at home... - Hear a family member play an instrument - Listen to a variety of sounds and discuss																										

			played by the striking of a hand or stick.
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