



St Mark's CE Primary School **Science Curriculum Map: Sound**

Year	National Curriculum	Sticky Knowledge	Vocab
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4	<i>How do vibrations create the sounds we hear? (Summer 2)</i>		
	<ul style="list-style-type: none"> Identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sounds travel through a medium to the ear Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it Recognise that sounds get fainter as the distance from the sound source increases. 	<ul style="list-style-type: none"> When an instrument is played by plucking, striking or blowing, the air around or inside it vibrates. These vibrations travel as a sound wave. Sound waves travel through a medium, such as air or water, to the ear. Pitch is how high or low a sound is. Parts of an instrument that are shorter, tighter or thinner produce high-pitched sounds. Parts of an instrument that are longer, looser or fatter produce low-pitched sounds. Volume is how loud or quiet a sound is. The harder an instrument is hit/plucked/blown, the stronger the vibrations and the louder the sound. Sounds are louder closer to the sound source and fainter as the distance from the sound source increases. 	Vibration Source Sound wave Pitch Higher Lower Volume Source Distance Absorb Soundproofing