

Leamington Primary Science Knowledge Organiser Year 4 – Sound – Physics

Pitch – What caused that 'racket'?



What I should already know	What I will learn	Important words to help me. (vocabulary)		Ideas for Scientific Enquiry
 That we use our ears to hear sounds That sounds can come from number of sources That speech is a type of sound. Interesting Facts	Key Knowledge Sound is a type of energy. Sounds are created by vibrations. The louder the sound, the bigger the vibration. Image: Sound is a type of energy. Sounds are created by vibrations. The louder the sound, the bigger the vibration. Image: Sound is a type of energy. Sounds are created by vibrations. The louder the sound, the bigger the vibration. Image: Sound is a type of energy. Sound is A whistle being blown a sound is. A whistle being blown a sound is a nexample of a low-pitched sound. Image: Sound is a type of	Vibration Sound wave Amplitude Pitch Ear Insulation	A movement backwards and forwards. Vibrations travelling from a sound source. The size of the vibration. The larger the amplitude = the louder the sound. How high or low a sound is. An organ used for hearing. A material that prevents sound from travelling as far. To prevent sound from prevents	 Set up an experiment to find out who has the best hearing in your household. Hypothesise why you think this is. Make your own tuned musical instrument from recycled materials. Can you change the volume and the pitch? Image the volume and the pitch? <l< th=""></l<>
 Dogs can hear sound at a higher frequency than humans, allowing them to hear noises that we can't. The speed of sound is around 767 miles per hour When traveling through water, sound moves around four times faster than when it travels through air. 	The size of the vibration is called a larger applitude, and a larger applitude, and a smaller applitude, and the the most of the drum start to the drum star	Soundproof Absorb Vacuum Eardrum Volume Sound source Percussion Tune Tuned instrument	To prevent sound from passing.To take in sound energy. Absorbent materials have the effect of muffling sound.A space where there is nothing. There are no particles in a vacuum.A part of the ear that is a thin, though layer of tissue that is stretched out like a drum skin. It separates the outer ear from the middle and inner ear. Soundwaves make the eardrum vibrate.The loudness of a sound.Where a sound originates from.Instruments that are unable to change pitch.A melody made by musical instruments.Instruments that can change in pitch and volume.	