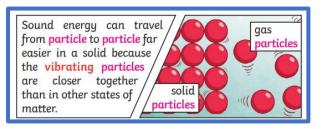
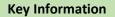
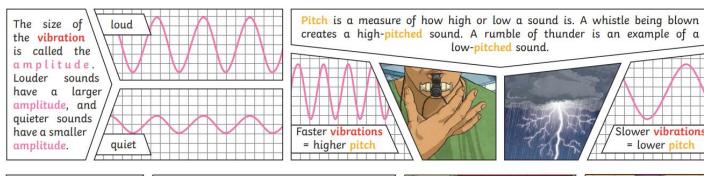
Hyde Park Junior School - Science						
Topic: Sound	Year: 4	Strand: Physics				
Enquiry Question: Do we all hear the same sounds?						

Key Vocabulary					
Vibration	A quick movement back and				
	forth.				
Sound Wave	Vibrations travelling from a				
	sound source.				
Volume	The loudness of a sound				
Amplitude	The size of a vibration. A				
	larger amplitude = a louder				
	sound.				
Pitch	How low or high a sound is				
Eardrum	A part of the ear, which is a				
	thin, tough layer of tissue				
	that is stretched out like a				
	drum skin. It separates the				
	outer ear from the middle				
	and inner ear. Sound waves				
	make the eardrum vibrate				
Particles	Solids, liquids, and gases are				
	made of particles. They are so				
	small we are unable to see				
	them.				
Ear	An organ used for hearing.				
Distance	A measurement of length				
	between two points.				





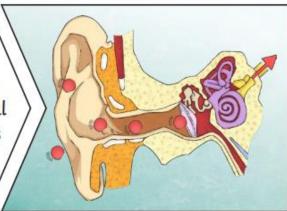
Sound is a type of energy. Sounds are created by vibrations. The louder the sound, the bigger the vibration.



You can change the / For example, if you are playing a pitch of a sound / xylophone, striking the smaller bars in different ways / with the beater causes faster vibrations depending on the / and so a higher pitched note. Striking type of instrument / the larger bars causes slower vibrations you are playing. / and produces a lower note.

Sound can travel through solids, liquids, and gases. Sound travels as a wave, vibrating the particles in the medium it is travelling in. Sound cannot travel through a vacuum.

Inside your ear, the vibrations hit the eardrum and are then passed to the middle and then the inner ear. They are then changed into electrical signals and sent to your brain. Your brain tells you that you are hearing a sound.



Hyde Park Junior School - Science Enquiry Question: Do we all hear the same sounds?										
Topic: Sound		ii. D	Year: 4			Strand: Physics				
Question 1: Name three objects that make sound. Object 1	Stai	rt of unit:	End of	unit:	-	Question 2: Anything can make a sound.  True  False	Start of unit:			End of unit:
Object 2 Object 3						Question 4:	Start	t of unit:		End of unit:
Question 3: Bigger Objects make a deeper sound. True	<u> </u>	Start of unit:		End of unit:		How does sound travel to your ears?				
False  Question 5: Give three was three ways to make an obj				low sound and		Start of unit:			End of unit:	
Method 1			-							
Method 2										
Method 3										