	Topic: Sound		Year: 4		Strand: Physics
What should I already know?			Vocabulary		
	ng is one of my five senses YI		amplitude	a measu sound u	ure of the strength of a vave
Sounds can be combined using musical in- struments Y3		cal in-	decibel	nel a measure of how loud a sound is	
What the word vibration means Y3			electricity	a form of energy that can be carried by wires and in used for	
What will I know by the end of the unit?		ınit?		heating	and lighting, and to power for devices
What is a sound ?	A thing that can be heard. The object that makes the sound is the source .	called	energy	the pour electric.	er from sources such as ity that makes machines provides heat
How is a sound made?	When objects vibrate , a sound is made. The vibration makes the air around the object vibrate and the air vibrations en-	nd the	frequency	a measi	' ure of how many times per the sound wave cycles
	ter your ear. These are called sound waves . If an object is making a sound, a part of it is wibrating , even if you cannot see the wibrations .		medium	something that makes possible the transfer of energy from one location to another	
			pitch	how hig	h or low a sound is
How do sound s trav- el?	Sound waves travel through a medium (such as air, water, glass, stone, and brick). For example, if somebody is playing music		sound waves	through	e waves that travel air, water, and solid ob- a vibrations
			source	where s	omething comes from
	in the room next door, the sound can trav- el through the bricks in the wall.		transmit	to pass to anot	from one place or person rer
How do we hear sourd s?	When an object vibrates , the air around it		travel		rething moves around
	vibrates too. This vibrating air can also be known as sound waves. The sound waves travel to the ear and make the eardrums vibrate.		vibrations	invisibl ly	e waves that move quick-
			volume	how lou	d or quiet a sound is
	Messages are sent to the brain whic ognises the wibrations as sounds.	n tec-			
How do sound	Pitch: The pitch of a sound is how high or	low it			
s chang e?	is. A squeak of mouse has a high pitch A roar of a lion has a low pitch .				
	Volume: The volume of a sound is how loud a it is. When a sound is created by a amount of energy, a weak sound u created which doesn't travel fa. makes a quiet sound. A vibration with lots of energy make. powerful sound wave and therefore a sound.	. little vaxe is r. This s.a			
How do we meas- ure sound?	Amplitude measures how strong a so wave is. Decibels measure how loud a sound Frequency measures the number of t per second that the sound wave cyc	is. imes			