	Topic: Sound		Year: 4		Strand: Physics
What should I already know?		Vocabulary			
Heari.	ng is one of my five senses YI	1.1	amplitude	a measu sound u	ure of the strength of a vave
Sounds can be complined using musical in- struments Y3		cai in-	decibel	a measure of how loud a sound is	
What the word vibration means Y3			electricity a form of energy that can be		
What will I know by the end of the unit?		ınit?		heating	and lighting, and to
What is a sound ?	A thing that can be heard. The object that makes the sound is the source .	called	energy	the pour electric. work or	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-	ide. .nd the ons er-	frequency	a measi second	' 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 vibrating, even if you cannot see the vibrations.		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 in the room next door, the sound can trav- el through the bricks in the wall.	im nd	sound wares	invisibl through jects as	le waves that travel air, water, and solid ob- s vibrations
		music	source	where s	omething comes from
		n trav-	transmit	to pass to anoti	from one place or person her
How do we hear sound s?	When an object vibrates , the air around	und it	travel	how son	rething moves around
	be known as sound waves . The sound waves travel to the ear and make the eardrums vibrate .		vibrations	invisibl ly	le waves that move quick-
			volume	how lou .	d or quiet a sound is
	Ognises the vibrations as sounds.	.n fec-			
How do sound	Pitch: The pitch of a sound is how high or	law it			
s chang e?	is. A squeak of mouse has a high pitch A roar of a lion has a low pitch .	L .			
	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 a created which doesn't travel fa. makes a quiet sound. A vibration with lots of energy make. powerful sound wave and therefore a sound.	or quiet little vare is r. This s a loud			
How d.o we meas- ure sound?	Amplitude measures how strong a surve is. Decibels measure how loud a sound Frequency measures the number of t per second that the sound wave cyc	ound is. imes :les.			