



Science		Year 4	
Focus: Sound			
Age related vocabulary			
vibrations	Something moving quickly or shaking. Sound is made when something vibrates. This causes the particles around it to vibrate which causes more particles nearby to vibrate, which sends a vibrating ripple away from the sound source.	pitch	How high or low a sound is. The size and shape of sound waves determine the type of sound we hear – whether it has high pitch or low pitch
volume	How loud or quiet something is. A sound becomes quieter as it travels away from its source.	soundwave	Sound travels through air, water or solid objects, as vibrations. Sound waves make our ear drum vibrate and our brains recognise the sound.
amplify	To make something louder	source	The origin of a sound, where the sound starts
muffle	To make something quieter	frequency	How fast something is vibrating
decibel	A measure of how loud something is. We measure decibels in db.	echo	Sounds can be reflected off of surfaces, and this is called an echo.

Carlton Assessment Grid			
Success Criteria	Pupil Reflection		Teacher Assessment
I can describe and explain sound sources	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain how different sounds travel	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explore ways to change the pitch of a sound	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can investigate ways to absorb sound	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can make a musical instrument to play different sounds	Before <input type="checkbox"/>	After <input type="checkbox"/>	

