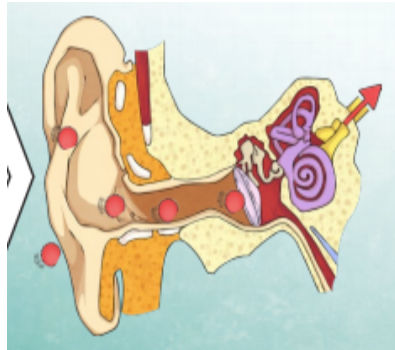
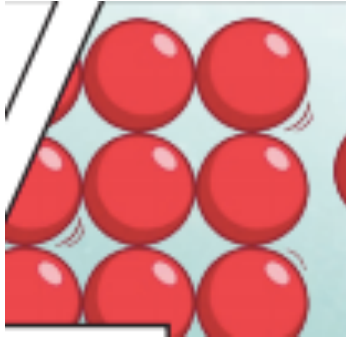
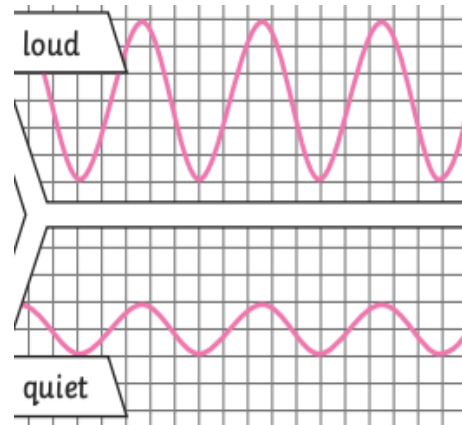
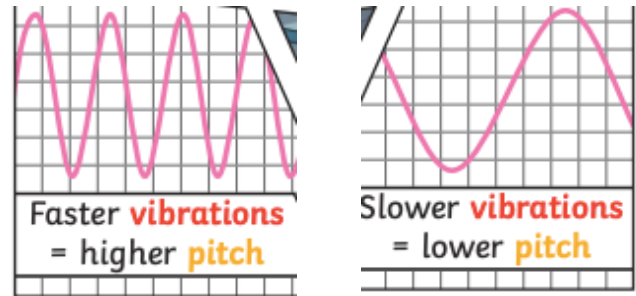


## Year 4: Sound Learning Organiser

| Subject Specific Vocabulary   |                                                                                        | How do I hear a sound?                                                                                                                                                                                                                                                                                                                                                                                                 | How does sound travel?                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>sound</b>                  | Vibration of particles that make a noise. Sound travels as waves.                      | <div></div> <p>Sound vibrations travel through the air and then they hit the outside part of your ear first. They then travel through your ear canal (this is like a corridor) and into the inside of your ear, finally hitting your eardrum.</p> | <div><p>Sound can only travel through a medium like a solid, a liquid or a gas. It travels by making the particles vibrate. The closer the particles are together, the faster the sound travels. Sound cannot travel in space, because space is a vacuum.</p></div> |
| <b>sound source</b>           | A place where sound comes from such as our voices.                                     |                                                                                                                                                                                                                                                                                                                                                                                                                        | <div></div>                                                                                                                                                                                                                                                         |
| <b>vibration</b>              | The movement of particles in a solid, liquid or gas.                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |
| <b>strength of vibrations</b> | This is how large or small the sound waves vibrate and affects the volume of sound.    |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |
| <b>volume</b>                 | How loud or quiet a sound is. This is affected by the strength of sound vibrations     |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |
| <b>fainter</b>                | Sounds get fainter and quieter the further away they are from the sound source         | <h3>How do I make a sound louder or quieter?</h3> <div><p>The volume of a sound depends on how big or small the sound waves are. Larger sound waves mean a louder sound and smaller sound waves mean a quieter sound.</p></div>                                                                                                     | <h3>How do I change the pitch?</h3> <div><p>To change the pitch, you need to change the speed of the sound vibrations. So a higher pitch, has lots of faster vibrations, whilst a lower pitch has slower vibrations.</p></div>                                     |
| <b>pitch</b>                  | How high or low a sound is                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |
| <b>insulation</b>             | Materials that absorb sound waves and stop them travelling                             |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |
| <b>travel</b>                 | The way sound waves move. Sound always needs a solid, liquid or gas to travel through. |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                        |