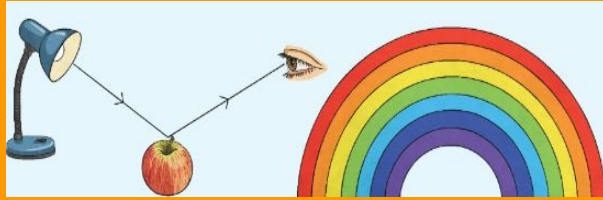


Year Group: 3
Spring

Knowledge Organiser: Science

Theme: Light & Sound



Key Learning

- Sounds are created by an object vibrating
- You will learn that vibrations from sound travel to the ear and vibrate the eardrum. The louder the sound, the bigger the vibration
- You will learn that sounds get fainter as the distance from the sound source increases
- The pitch is affected by the speed of the vibrations, The higher the sound, the faster the object is vibrating and the lower the pitch, the slower it is vibrating

When you hit a drum, it vibrates. This makes the air particles closest to the drum start to vibrate as well.

The vibrations then pass to the next air particle, and then the next one until the particles next to your eardrum vibrate in your ear.



Key learning:

- We need light in order to see and light can be reflected from different surfaces
- Darkness is the absence of light
- Shadows are formed when light from a light source is blocked

Key Vocabulary:

word	definition
vibrate	Move quickly and backwards and forwards
sound-wave	Vibrations travelling from a sound source
volume	The loudness of a sound
pitch	How low or high a sound is.
Light source	Gives off light