

SOUND

RECAP

- Hearing is one of my 5 senses.
- Sounds can be combined using musical instruments.

CRUCIAL KNOWLEDGE

- Sounds are created by vibrations.
- Vibrations are movements backwards and forwards.
- Sound waves (vibrations) travel through solids, liquids and gases to the ear.
- The pitch tells you how high or low a sound is.
- The volume tells you how loud or quiet a sound is.
- The louder the sound the bigger the vibrations are.
- The further away from a sound you are, the quieter it is because the vibrations have further to travel.

EXTENDED KNOWLEDGE

The sound waves travel to the ear and make the eardrums vibrate.

Messages are sent to the brain which recognises the vibrations as sounds

KEY VOCABULARY

Vibration	A movement backwards and forwards.
Sound wave	Vibrations travelling from a sound source
Source	The beginning; where something comes from
Volume	The loudness of a sound.
Amplitude	The size of a vibration: A larger amplitude = a louder sound

Pitch	How high or low a sound is
Frequency	The number of cycles per second that a sound oscillates, recorded in hertz.
Soundproof	To prevent sound from passing
Eardrum	A part of the ear which is a thick, tough layer of tissue that is stretched out like a drum skin. Sound waves make the eardrum vibrate