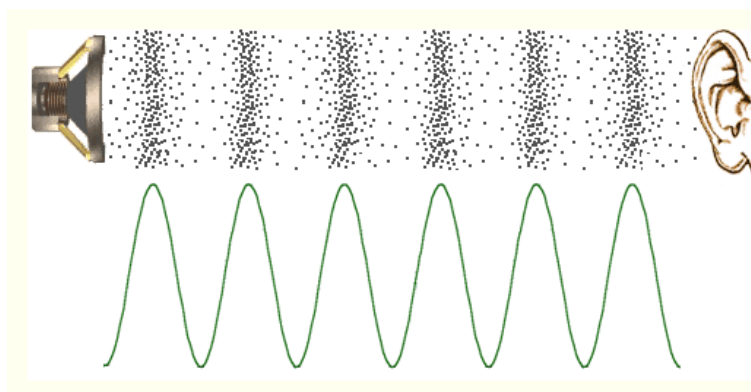


Science - Year 4 - How does sound travel?

Sticky Knowledge:

- Know that sound is generated when an object vibrates
- Know that vibrations from sounds travel through a medium to the ear
- Know how sounds can be changed in a variety of ways for example, through pitch and volume
- Know how the strength of vibration affect the volume of a sound
- Know which materials, provide the best insulation against sound
- Know that the volume of a sound is quieter if the listener is further away from the object
- Know how to set up fair and comparative testing
- Know how to gather, record and present data
- Know how to use results to draw simple conclusions
- Know how to use scientific evidence to answer questions or support findings



COMPARATIVE & FAIR
TESTING



IDENTIFYING,
CLASSIFYING &
GROUPING



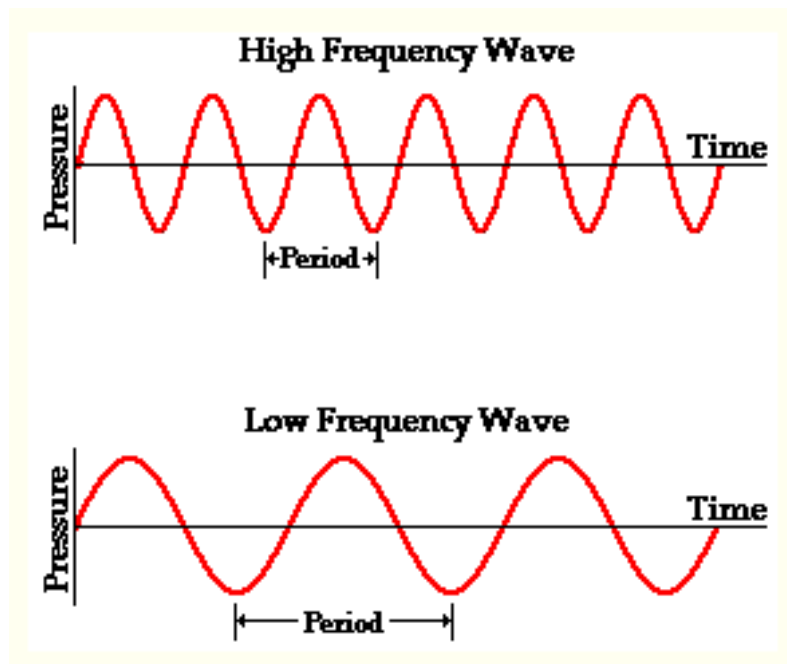
OBSERVING OVER
TIME



PATTERN SEEKING



RESEARCHING USING
SECONDARY SOURCES



Glossary:

- **sound** - sound is created when something vibrates and sends waves of energy (vibration) into our ears
- **vibration** – waves of energy
- **pitch** – pitch is the quality of a sound (high or low) and depends on the speed of the vibrations
- **volume** – how loud or quiet the sound is
- **fair test** - a test that controls all but one variable when attempting to answer a scientific question

