Corpus Christi Catholic Primary School
Year 4 – Sound - MTP Unit Overview

Outcomes:

By the end of this unit all pupils should know:

- A sound is something you can hear or that can be heard. We hear sound with our ears.
- Sounds are made, when a part of a sound source is vibrating.
- That vibrations from sounds travel through a medium to the ear. As well as travelling through air (gas), sound can travel through solids and liquids.
- The pitch of a sound, how low or high the sound is, depends on the features of the object that produced it.
- The volume of a sound depends on the strength of the vibrations producing it.
- That sounds get fainter as the distance from the sound source increases.
- You can insulate sound using a material which blocks sound effectively.

By the end of this unit pupils should have developed the following working scientifically skills:

- setting up simple practical enquiries, comparative and fair tests
- recording findings using simple scientific language, drawings, labelled diagrams, bar charts, and tables
- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions

Progression:

Prior learning:

- Year 1 - Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

Building towards:

- KS3 - Sound waves
- frequencies of sound waves, measured in hertz (Hz); echoes, reflection and absorption of sound.
- sound needs a medium to travel, the speed of sound in air, in water, in solids.
- sound produced by vibrations of objects, in loud speakers, detected by their effects on microphone diaphragm and the ear drum; sound waves are longitudinal.
- auditory range of humans and animals.

Assessment opportunities:

By the end of this unit all pupils should have had the following opportunities:

- On-going formative assessment