Cycle A — Summer 1 Sound - Battle Sounds

In this unit: Pupils will discover what sound is and how we hear them. They will investigate different sources of sound and measure pitch and volume. They will explore a range of different musical instruments before creating a battle 'horn' to warn off invaders of the Roman Empire.

Children should already know:

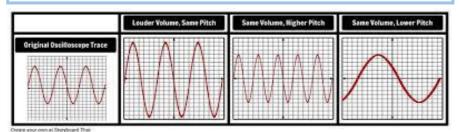
- that hearing is one of the five senses
- that we use our ears to hear
- that sounds can be made using musical instruments
- that different musical instruments are played in different ways to create sounds

At the end of this unit, children will know:

- that a sound is a thing that can be heard and the object which makes a sound is called the source.
- that sounds are made when subjects vibrate.
- that if an object is making a sound, part of the object is vibrating even if you cannot see it.
- that sound travels in waves through a medium solid, liquid or gas.
- that we hear sounds when sound waves travel to our ears and makes the ear drum vibrate.
- that sounds can be changed through pitch and volume.
- that we measure sound using an oscilloscope which shows amplitude, decibels and frequency.

Pupils could investigate:

- how sound is made louder or quieter.
- how the length of the string on an instrument affects the pitch of the sound made.
- how sounds are changed.
- how sound travels differently through solids, liquids and gases,
- which material is the best absorber of sound.











Key Questions:

- is there a link between pitch and volume and the object that produces it?
- how does sound travel through different a solid, liquid and gas?
- which material is the best absorber of sound? Why?
- does the length of the string in an instrument affect the sound? How?

