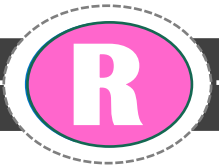


# Sound

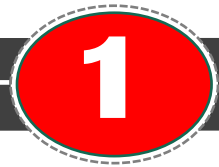
## Reception

- musical instruments to explore
- singing songs – how can we change the volume of our voice? **Possible Big Question: How can we change the volume of our voice?**



## Year 1

- Recognise a variety of everyday sounds
  - Notice that everything has to be still for silence.
  - Notice that movement results in sounds.
- Possible Big Question: How is silence different from sound?**



## Year 2

- Notice that sounds can be loud or soft, high or low
  - Know that objects make sounds and these are called sources
  - Know that some sound sources are natural and others are man made
  - Explore how sounds travel in all directions
  - Explore how different materials make different sounds
- Possible Big Question: How can we create loud or soft sounds?**



## Year 3

- Explore how sounds travel in different ways through different materials, e.g. water, wood, air
  - Know that the ear is a sensitive organ and needs to be looked after
  - Explore how sounds can be made louder or fainter without moving nearer/further away
- Possible Big Question: Can animals hear sound underwater?**



## Year 4



- Identify how sounds are made, associating some of them with something vibrating
  - Recognise that vibrations from sounds travel through a medium to the ear
  - Recognise that sounds get fainter as the distance from the sound source increases
  - Find patterns between the pitch of a sound and features of the object that produced it
  - Find patterns between the volume of a sound and the strength of the vibrations that produced it
- Possible Big Question: Do all animals have the same hearing range?**

## Year 5

- Explore a variety of materials to produce pitched instruments
  - Explore ideas to measure the volume of sounds made by different objects
  - Know that sounds travel as waves, through solids, liquids and gases
  - Know that sounds can be reflected from surfaces which can cause echoes
- Possible Big Question: How do sound waves travel?**



## Year 6

- Investigate which mediums enable sound vibrations to travel better/faster/further
  - Know that sounds are measured in decibels and explore some everyday examples
  - Know that amplitude - that is, the size - of the vibrations determines the loudness of the sound.
  - Know that the frequency - that is, the rate - of the vibrations determines the pitch of the sound; how high or low it is.
- Possible Big Question: How can we record sound frequency?**

