

# Big Question: Is it possible to drown noise?



## Exciting Books



The Sound Collector by Roger McGough

LQ1	What is that noise? Data logger and sound walk.
LQ 2	Does noise travel in a taxi? Tuning fork/string telephones.
LQ 3	How did I hear that? Image of ear.
LQ 4	Can animals hear better than us? Cone experiment.
LQ 5	What materials can block or muffle sound? Block or muffle sound experiment.
LQ 6	Can you sell your ear defenders to a panel? Use sound language.
End Product	A set of ear defenders and a communication line.
Links to previous topics	KS 1 look at senses. It links to the our music scheme.
Curriculum links:	Literacy. DT making ear defenders. Music: pitch, tempo, range, volume.
Character links:	Teamwork and leadership

- Sound travels with a speed of 767 miles per hour.
- I know that we see things quicker than we hear things.
- Sound comes from vibrations. These vibrations create sound waves .
- Our ears vibrate in a similar way to the original source of the vibration, allowing us to hear many different sounds.
- When traveling through water, sound moves four times faster than when it travels through air.
- Sound is used by many animals to detect danger, warning them of possible attacks before they happen.
- Dogs can hear at a higher frequency as compared to humans.
- The loud noise you create by cracking a whip occurs because the tip is moving so fast it breaks the speed of sound!

## Key Vocabulary

Sound, listen, hear, ears, noise, loud, quiet, silent, vibrations, vibrate, investigation, fair-test, factor (variable), prediction, results, resources, planning, muffle, vibrations, sound waves, sign language. transmit, medium, air, water, solid, source, particles, travel, vacuum, frequency