

Past enquiries that may help:

What could my classroom be made of? (Y2)

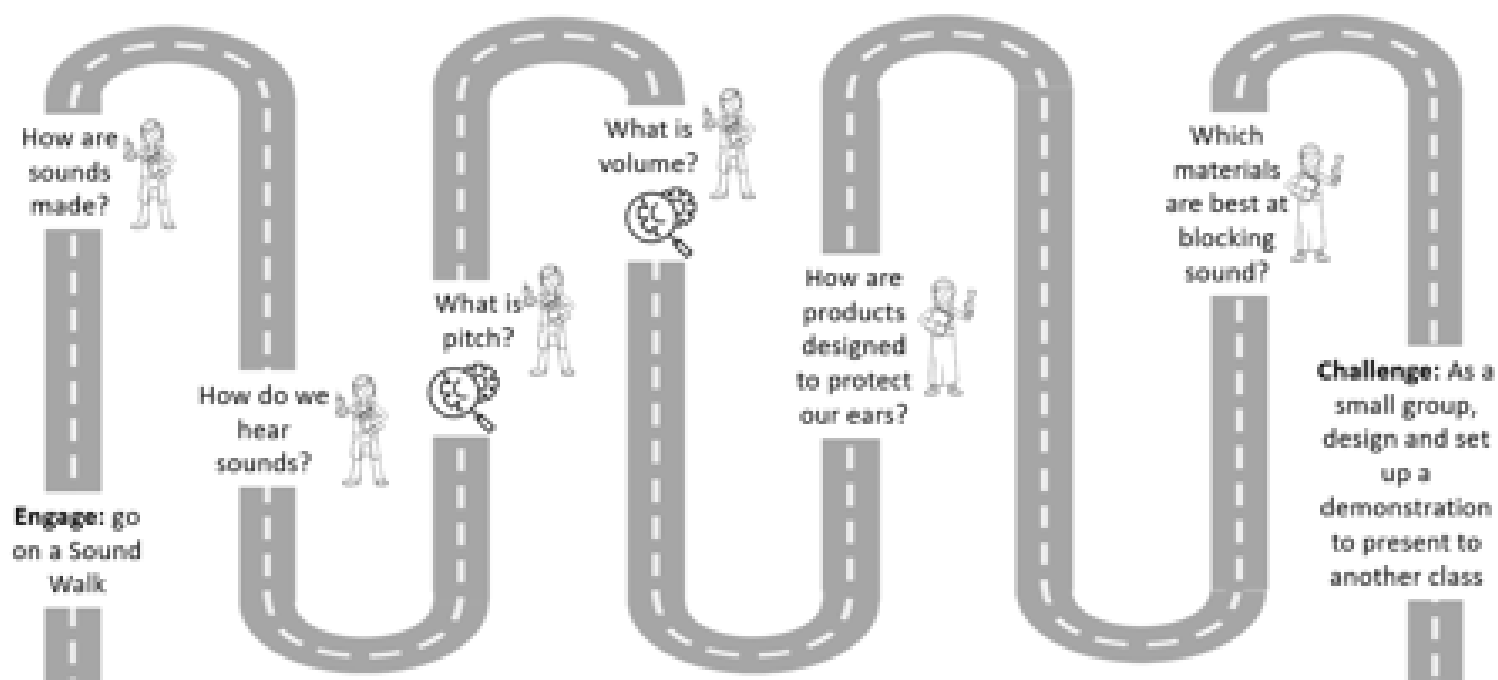
How can you feel the force? (Y3)



What is Sound?



Key Vocabulary			
Sound		Pitch	Insulation
Vibration		Volume	Evaluation
Vibrate		Decibel	Criteria



Know of

Sounds are made by something vibrating.

Vibrations from sounds travel through a medium (solids, liquids, gases) to the ear.

The pitch of a sound is how high or low a sound is.

The louder the sounds, the bigger the vibration. The quieter the sound, the smaller the vibration.

A decibel is the measure of the loudness of sounds.

If humans are exposed to loud sounds too often, their hearing can be damaged.

Know how

Can find patterns between the pitch of a sound and features of the object that produced it

Can find patterns between the volume of a sound and strength of the vibrations that produced it

Sounds get fainter as the distance from the sound source increases.

Know how to use data loggers to measure and record sounds.

Can evaluate different materials to explore how they provide different levels of insulation against sound

Evaluate the design of a particular product focusing on material choices.