



St. Jude's Catholic Primary School – Homework

Topic: Science - Sound

Year 4

Spring term



Questions:

1. What is a vibration?
2. How are sounds made?
3. How do we hear vibrations?
4. How do sound vibrations travel?
5. What are the different parts of the ear and their functions?
6. What is sound volume? What is sound pitch?
7. How is sound volume measured?
8. How do vibrations affect the pitch and volume of a sound?

HOMWORK PROJECT:

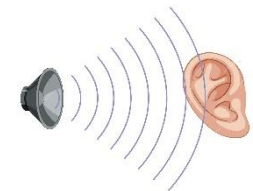
Choose **ONE** option:

1. Create a labelled model of the ear and all its parts. Include what each part does in the labels. (You could use clay, paper or other art materials for this.)
2. Create a musical instrument out of recycled materials. It must make a sound when played and you must be able to change the pitch or volume of the instrument's sound.



'Together, we learn, love and grow with Jesus'

Sticky Vocabulary	
Spelling	Definition
Vibration	A quick back-and-forth movement.
Sound	Vibrations that travel through the air or another medium and are heard when they reach an ear.
Volume	How loud or quiet a sound is.
Pitch	How high or low a sound is.
Decibel	The measurement of a sound's loudness.
Decibel Meter	A piece of equipment used to measure the loudness of a sound.
Ear	Organ in humans and many other animals that detects vibrations. Including the: outer ear, ear canal, ear drum, ear bones and cochlea.
Insulate	To protect something from the transfer of heat, sound or electricity.
Background Noise	Any type of noise that is not the sound that is being listened to or measured.



Your projects are due in on **Monday 24th March** to be presented in the hall.