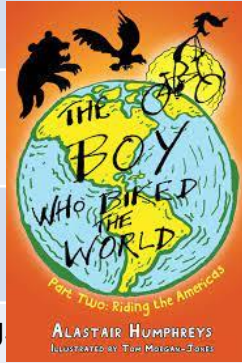


Year 4 - Summer Term 1: Road trip around America

English	Art	PE- South American Dance
I can plan and write a diary entry from the viewpoint of a character.	I can evaluate and review art by Andy Warhol.	I can perform dances using a range of movement patterns.
I can plan and write a letter from the viewpoint of a character.	To practise the skill of printing using 4 colours.	PSHE
I can write descriptive writing about the jungle, using my senses.	To design a print of using Andy Warhol as an inspiration.	I can identify different types of relationship, and appropriate boundaries and behaviour within them.
I can write a piece of persuasive writing	To print their own piece of art work using 4 colours and to evaluate this.	I can explain the benefits of belonging to a group and what it means to belong to a family.
I can create a holiday brochure about California.	Geography	I can identify the rules and expectations that my family has to ensure that I am kept safe and healthy.
I can explain what a subordinate clause is and write detailed sentences by adding coordinating and subordinating conjunctions.	I can locate some of the states of the USA on a map.	Computing
I can edit and improve my sentences by checking my spellings and using a thesaurus to choose more exciting vocabulary.	I can locate some countries that make up North and South America on a map.	I can identify devices that can record and play back sounds.
Maths	I can explain that human geography explores people, community and cultures of the world, including a countries economics, population and health.	I can use a program called Audacity to record, play back and edit spoken sentences that I have created in order to produce a podcast.
I can recognise simple fractions in decimal form, and compare and order decimals.	I can explain that physical geography is the physical structure and working of the natural world, like mountains, seas, oceans and rivers.	French
I can divide a number by 10 and 100 to make a decimal.	I can identify human geography for parts of South America.	I can say the correct name for family members in French.
I can calculate, compare and solve problems with money.	I can identify physical geography for parts of North America.	I know some French words for different clothing.



Year 4: Sound Knowledge and Skills Mat

Subject Specific Vocabulary

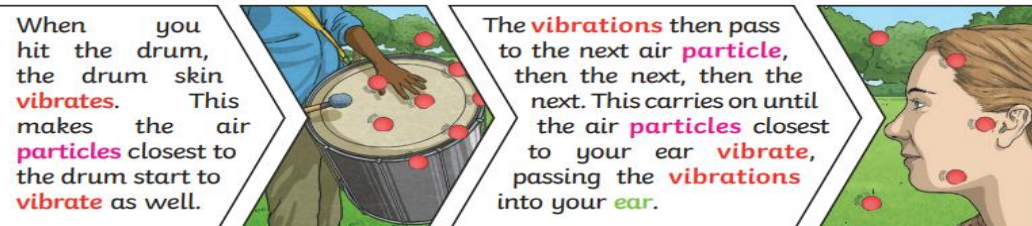
vibrating	Sound is caused by the vibration of a medium (usually air) and it travels in waves.
pitch	A high sound has a high pitch and a low sound has a low pitch. A tight drum skin gives a higher pitched sound than a loose drum skin.
volume	Volume is the perception of loudness from the intensity of a sound wave. The higher the intensity of a sound, the louder it is perceived in our ears, and the higher volume it has.
source	Where the sound comes from.
ear	An organ used for hearing.
insulation	Protecting something by surrounding it with material that reduces or prevents the transmission of sound.
sound	A thing that can be heard. The object that makes the sound is called the source.
medium	Something that makes possible the transfer of sound from one location to another .
decibel	A measure of how loud a sound is.
sound waves	Invisible waves that travel through air, water, and solid objects as vibrations.

Sticky Knowledge about Sound

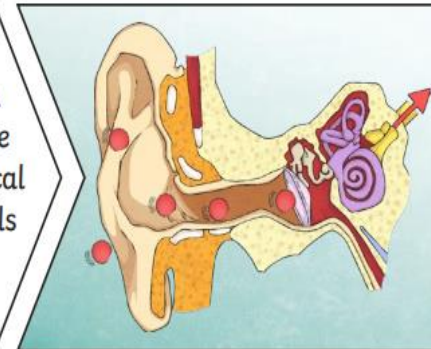
Sound is a type of energy. Sounds are created by **vibrations**. The louder the sound, the bigger the **vibration**.



Sound can travel through solids, liquids and gases. Sound travels as a **wave**, **vibrating** the **particles** in the medium it is travelling in. Sound cannot travel through a **vacuum**.



Inside your **ear**, the **vibrations** hit the **eardrum** and are then passed to the middle and then the inner **ear**. They are then changed into electrical signals and sent to your brain. Your brain tells you that you are hearing a sound.



Main scientific skill taught in this topic

Setting up simple practical enquiries, comparative and fair tests.

Objectives

- Know how sound is made.
- Know how sound travels from the source to the ears.
- Know to associate sound with vibration.
- Know the correlation between pitch and the object producing a sound.
- Know the correlation between the volume of a sound and the strength of the vibrations that produced it.
- Know what happens to a sound as it travels away from its source.

Our scientific question is:

What material is the best insulator for sound?