



Sound



Science Intent

Through science, children are taught to be curious about the world around them. Our curriculum is stimulating, engaging and challenging and ensures full coverage of the National Curriculum. It fosters a sense of wonder about natural phenomena. Children develop and use a range of scientific skills including questioning, fair-testing and drawing conclusions. Scientific vocabulary is taught and built upon as topics are revisited progressively in different year groups and across key stages.

English – National Curriculum/Skills

Genres:

- Poetry
- Chronological report
- Biography

-Children to identify different types of poetry and the language used to present this. Children to explore the language used to represent poetry in, 'The Sound Collector' by Roger McGough and 'When I heard the Music' by Pie Corbett.

-To link with the science topic, this half term pupils will write an explanation towards a non-chronological report on the process of hearing sound.

-To write a biography of a current musician.

-Children to compose and rehearse sentences orally using rich vocabulary and varied sentence structure.

-Children to identify technical language including onomatopoeia and rhyming words.

-Children will read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

Overview

Identify key features of "The Sound Collector" including technical language and structure. Relate to these features to write their own Cinquain. Learn this by heart and perform to the rest of class.

Explore different poems, identifying the differences and features of the language used.

With knowledge gained from the science topic and research, pupils write an explanation of the nature of sound and how we hear it; how the ear works.

Write biography's using specific language to enhance their writing.



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Nunthorpe Primary Academy

Year Group: 4

- Children will sequence this non-fiction structure using conjunctions, looking more closely at subordinating conjunctions.
- Children will identify and understand the use of organisational features in their writing: pictures with captions, diagrams.
- Children to research a popular musician and to write about them. Children will organise paragraphs around a theme, assessing the effectiveness of their own and others' writing and suggesting improvements through peer marking.

Science – National Curriculum

- identify how sounds are made, associating some of them with something vibrating
- recognise that vibrations from sounds travel through a medium to the ear
- 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
- recognise that sounds get fainter as the distance from the sound source increases

Work scientifically by:

- finding patterns in the sounds that are made by different objects by changing a variable.
- Using different materials to investigate which provides the best insulation against sound.
- Using digital data logging equipment
- Researching how we hear sounds using practical tasks, books and online searches.

Overview

Explore and identify the way sound is made through vibration in a range of constructed and real musical instruments; find out how the pitch and volume of sounds can be changed in a variety of ways.

Use practical tasks and reading activities to research how we hear things and use this to write an explanation.

Debate & Discussion Opportunities

Trips and Experiences

Possible Linked Texts

The Sound Collector by Roger McGough
'When I heard the Music' by Pie Corbett



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