

Title: Light and Sound

Year 4 Summer 2

Rationale:

Inspired by the film 'Lighthouse' and a puppet show created by the academics at STEM, Year 4 have been invited to create and produce their own shadow puppet performance. The show will be based upon the film 'Lighthouse' and will be shared with an audience of KS1 film critics. This will showcase the pupils understanding of light and how shadows are formed. They will also use their new knowledge of sound, steady beats and rhythmic patterns in music to compose and perform a theme tune for their shadow show.

Lead Subject: Science

To become experts on light and sound the children will undertake a range of practical activities to find out how light and sound travel and how we see and hear things. They will work scientifically, investigating shadows and finding patterns between the pitch and volume of sounds and the features of the objects that produce the sounds. As scientists, the children will use data loggers as a method of recording light and sound levels more accurately.

Lead Subject: English

Having watched and become familiar with 'Lighthouse', we will review how to use fronted adverbials and the apostrophe of possession. We will apply these skills within our writing. We will follow this by applying these skills more independently to write a thank you letter from one character to another, thanking them for their help on the night the lighthouse stopped shining. We will also rewrite the story, showing off all the skills we have learnt this year.

Lead Subject: Music

The children will be creating and performing an introduction to their shadow puppet narrative during music lessons.

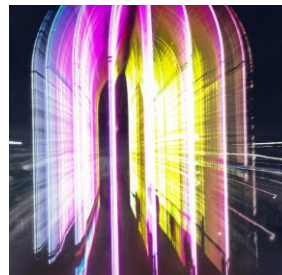
We will also be learning about texture and timbre through finding, making and playing different musical instruments.

School Value: Trust

When creating the puppet show, we will value everyone's contributions. We will also write my story of the 'Lighthouse' independently, so that others have quality time with adults. Children will follow instructions carefully to ensure scientific investigations are completed to the best of their ability.

Applied Subject: Design Technology

Year 4 will be applying their skills of joining and strengthening materials whilst designing and making their own shadow puppet theatres. They will also consider which materials to use when designing their puppets and scenery. By constantly evaluating their product, the children will be able to adapt and improve their theatre and puppet designs.



Applied Subject: Computing

Using Scratch, the children will explore and create sound buttons to accompany their theatre shows.

Maths:

This half term we will continue to problem solve and reason using money. In addition to this we will be learning to tell the time on a 24-hour clock. We will also be revisiting our knowledge of translation and reflection.

Outcome: Year 4 will present their own versions of 'The Lighthouse' narrative as a shadow puppet theatre performance for a Key Stage One class. Their shows will incorporate a musical introduction and sound effects.

Home learning: The children will be asked to use their creative skills to make their own musical instrument to use in our science lessons and shadow show. These can be made using a range of materials and we will look at examples in school to give the children lots of inspiration.

R.E:

Trees as a symbol.

P.E:

Swimming/Bench ball

PDL:

Growing and changing.

French:

As- tu an animal?

6 Weeks