

Out of this world

Rational: children will be able to place Earth as part of the Solar System and relate features such as seasons to movement of bodies in space. They will have the opportunity to study the sky at night and to begin to explain – through science, English, IT and their art work - some of the features they see. They will be encouraged to study up to date and evolving ideas on space.

Key Concept: Technology

Hook: Show children amazing pictures from space articles and images from Hubble and James Webb Space Telescope.

Science:

How the solar System works

The changing position of the Sun in the sky

The causes of night and day and the seasons

The changing shape of the Moon

The forces and factors which govern how the solar System behaves.

The position of our Solar System in the Universe

The changing sky at night: constellations , planets and deep space features such as nebulae and black holes.

English

Read and watch a variety of extracts from popular science fiction novels and films. Define what makes a science fiction story.

Explore how authors develop a character and setting using dialogue, adverbials, description and figurative language, and drip feeding ideas to apply this in their own writing.

Create suspense in a story.

Explore the concept of good v evil.

Write about space using a variety of genre

Write their own science fiction story.

Study a range of space related poetry and write their own

Music

Identify different moods and sensations in film and documentary sound tracks

To show an understanding of dynamics, note values and musical terminology .

Create different sound effects using a combination of sounds and instruments

Explore, select, combine and exploit a range of different sounds to create a soundscape

Explore Holst's Planets Suite relating music to character

IT: Use Excel to investigate data bases and discover how data can be organised

Research data on planets and space and input into spread sheets in excel

Discover how data can be presented from spread sheets

Interpret data which has been produced.

Blogging their learning journey

Spirituality/RE

Consider the wonders of the Universe and how this relates to Creation. Consider responsibility for looking after and respecting space.

Art

Explore range of artwork on space

Create own space inspired art using a variety of mediums such as chalk, crayon, paint and glitter

Outcome: the children will collaborate to create posters exploring a range of deep space phenomena. They will communicate their learning of space by presenting the posters and other work on Friday 15th November at 9.00 a.m (We will also share our memories of PGL in this session.)

Out of this World

Home Learning Project

Research (using books and/or the internet) a famous astronomer or astronaut to produce a biography about them to include:

- What are they famous for? (their scientific discovery or actions)
- When and where did (do) they live?
- Details about their early and later life
- How did they make their discovery/ How did they get involved in their field of work
- What did they have to do to reach the high point in their careers and what did others think of their discovery/actions?

You may present this in any form you choose such as PowerPoint, a poster or a written biography

**Hand in By: Monday 21st
October 2024**

Outcome: The children will present their learning on the whole space topic in the outcome on Friday 15th November 2024 at 9.00 a.m.

Use description for characters and setting

Observe and explain the phases of the Moon

Explore Holst's Planets Suite relating music to character

Create suspense in a story.

Write a science-fiction narrative

Use Excel to investigate data bases and discover how data can be organised

Explore spirituality and space. The wonders of space and our responsibilities for the beauty of space

Write a diary entry

Find out about space exploration

Produce a poster to show their research and understanding of a body or feature found in space

Study and write space poetry

Out of this World

Blog their learning journey

Explore space tourism

Explore, through individual research, the planets and our Solar System.

Create their own space inspired art using a variety of mediums such as chalk, crayon, paint and glitter

Write descriptions of setting and characters

Relate the changing position of the Sun in the sky and causes of the seasons and night and day to the movements of the Earth

Explain the key role gravity plays in our Solar System

Show an understanding of dynamics, note values and musical terminology

Explore how authors develop a character and setting using dialogue, adverbials, description and figurative language, and drip feeding ideas to apply this in their own writing.