

Medium term planner – Our Earth in Space

Title and duration: Our Earth in space.

Year group: 5

Description: The theme will be taught mainly through science. The children will start by learning about our solar system and the importance of Earth within it. This will focus on the movement of the Sun, Moon and Earth relative to each other.

Hook: The children will choose and investigate one of the planets from our Solar System. They will share their discoveries and collate all the information. At the start of the topic we will visit the Southdowns Planetarium to further their knowledge

Learning value 1: Rights and respect.

Children learn about British history and the suffragette movement.

Quality Texts: The Child's Garden, Mr Wuffles, The Iron Man, Wonderful life, Great Women who changed the world, Dicken's Oliver twist & Hampshire Book Award Texts

Science:

Children will start by learning about the solar system and the movement of the Earth and other planets, relative to the sun. They will describe the movement of the moon relative to the earth and use the idea of the Earth's rotation to explain night and day. The children will independently study the different planets.

Literacy:

Narrative Description - Children will look at the quality texts 'The Iron Man' and 'Wonderful life' and use them to write character descriptions, choosing powerful and appropriate vocabulary and improving sentence structure. Using the short animation 'Piper' children will write quality settings and recount the story from the perspective of the main character using empathy.

Poetry - The children will play with words to describe the sun, Earth and moon.

Non-fiction - the children will experience an immersive week 'learning about 'the suffragette movement in Britain. They will write a short biography and a formal letter of thanks.

Art: The children will develop mark making skills to observe and draw from real life. Linked to this they will create different styles of printing block.

PDL: through discussion the children will create a class charter considering and recognising the rights and values of individuals within their class. They will further consider their own personal values more deeply before widening their knowledge of specific values, historically in British society. Through a study of the Suffragette movement in Britain they will reflect upon the impact that this group of people have made.

Application subject: DT – Buggies

Children will design and make a prototype for a New Mars Buggy with a working cam mechanism.

Application subject: P.E. All classes will take part in a 5 week swimming programme. They will complete a gymnastic unit developing basic shapes and balances. They will also take part in circuit training and the golden mile to

Application subject: Music

The children will listen to the 'Planet Suite' work by Holst, focussing on the nature of the piece and the emotional response that it evokes. They will consider the ways in which the composer considered each of the musical elements in one movement. They learn about the main historical periods of music.

Outcomes:

Design and construct a Mars buggy
Create a gymnastic routine incorporating balance (Swimming timetable dependent)
Produce a Space Theme book based on a variety of research.
Sing a variety of songs including traditional Christmas carols for the Carol Service.

Potential links to local, national, international communities:

Visit to Southdowns planetarium.

RRR and Values Links:

Environmental. Children's rights. British Values

Home study:

Research about the planets within our solar system.