

Literacy

Key texts we will study:

- Astronaut's Apprentice by Philip Threadneedle
- Curiosity: The Story of a Mars Rover by Markus Motum

History

As historians we will consider how travel to space has changed over time and the impact this has had on Britain and the wider world.

Geography

As geographers we will identify the position and significance of the prime Greenwich Meridian and time zones (including day and night). We will use maps, atlases, globes and digital/computer mapping (Google Earth) to locate countries and describe features studied in year 5.

PE – Swimming/football/Fitness Circuits/basketball

As swimmers we will develop our ability to swim competently, confidently and proficiently over a distance of at least 25 metres. We will use a range of strokes effectively. We will develop our ability to perform safe self-rescue in different water based situations.

We will investigate and explain the effects of exercise on our bodies through circuit training. We will work together as a group to follow a map and apply problem-solving strategies to our outdoor & adventurous activities

In football and basketball we will vary our skills, actions and ideas in ways that suit the activity. We will show confidence in using ball skills. We will take part in competitive games with a strong understanding of tactics and composition, making suggestions as to what resources can be used to differentiate the game.

Art and DT

Art – As artists we will consider the work of David Hardy (Astro Art), Van Gogh (Starry Night) and Peter Thorpe (Space Art). We will use these works as inspiration to develop our own pieces of art developing our drawing and painting skills as part of the process.

DT – We will learn about Eduardo San Juan (Moon buggies), Mary Sherman Morgan (rocket fuel) and Jeanne L Crewes (space bumper). We will design, construct and evaluate our own moon buggy.

Science – Earth & Space / Forces

As scientists we will:

- Describe the movement of the Earth and other planets relative to the Sun in the solar system
- Describe the movement of the Moon relative to the Earth
- Describe the Sun, Earth and Moon as approximately spherical bodies
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky
- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- Identify the effects of air resistance, water resistance and friction that act between moving surfaces

Kestrels Term 1 and 2

What would it feel like to be in space?



RE – Sikhism & Christianity

Theme: Belief into action & Christmas

Key Questions: How far would a Sikh go for his/her religion? Is the Christmas story true?

PHSE

We will reflect on how we protect our own and other's hearts. We will think about the choices we make and who we can turn to for help.

Computing – Mars Rover We will explore inputs and outputs as well as binary numbers to understand how the Mars Rover transmits and receives data and how scientists are able to control it to explore another planet. We will learn how the Mars Rover sends images back to Earth and we will experiment with online CAD software to design new tyres for it.

Music

As musicians we will study Holst's 'The Planets'. We will compare and evaluate the different sections using appropriate musical vocabulary particularly how musical elements, features and styles have been used together to compose the music.

Modern Language- French

We will develop our skills as linguists by studying the language associated with the weather (Quel temps fait-il?) and the seasons (Les quatre saisons).

Enrichment

The planetarium will visit the school.