

Out of this World !

Year 5 Spring 2022



What you can do at home to help

Activities

- Go star-gazing on a clear night
- Keep a moon diary

Visits:

- Spaceport Planetarium, Merseyside
- Jodrell Bank, Cheshire

Websites:

- www.nasa.gov/audience/forkids/kidsclub/flash
- www.kidsastronomy.com
- www.spacekids.co.uk/learn

Our new TOPIC for Mondays and Tuesdays with Mrs Shone.

Words we will use

Prime/Greenwich Meridian gravity solar system atmosphere planet star universe galaxy axis astronaut cosmonaut spherical phase constellation rotation lunar satellite

As writers we will create a guide to what makes a great astronaut and write a non-chronological report on the planets in our Solar System. We will also create poems about the moon, using personification and metaphor.

As readers we will read the novel 'The Jamie Drake Equation' by Christopher Edge, exploring the memorable characters and how particular situations make people behave the way they do. We will also read a selection of space poetry. Using non-fiction texts, we will research aspects of the Earth, Sun, Moon and the planets in our Solar System.

As mathematicians we will continue to develop our understanding of large numbers as we investigate the vast distances between the planets. We will measure the angles between the stars in different constellations. We will also explore the Fibonacci sequence.

As scientists we will investigate the forces of gravity and work of Sir Isaac Newton. We will explore how day and night occur, the apparent movement of the Sun across the sky and the movement of the Earth, Moon and planets in relation to the Sun.

As historians we will explore the race into space, between the United States and the USSR, during the 20th century. We will examine accounts and footage of the first moon-landing and celebrate the achievements of past and present astronauts.

As geographers we will identify the position of the Prime/Greenwich Meridian and time zones. We will analyse satellite images of the Earth from space and explore maps of the moon in order to describe the features we can see.

As artists and designers we will investigate the design of different rockets. We will construct and adapt our own rockets, refining their ability to travel further. We will study the space paintings of Peter Thorpe and 'Starry Night' by Van Gogh and use them as inspiration for our own artwork. We will also design and make clay plant pots.

As musicians we will listen to the Planet Suite by Gustav Holst; recognise and make creative use of the way sounds can be changed, organised and controlled; extend our sound vocabulary and combine sounds expressively to create a space composition.

Enterprise

We will design and make clay plant pots with an alien theme to sell and raise money for charity.

Learning Skills

We will be improving our reciprocity by being ready and willing to work effectively with others; understanding the ground rules of team work.

Values

We will be exploring and developing the values of wisdom, trust, humility and creation.

Global Learning

We will consider issues surrounding the environment, the future of our planet and develop a commitment to sustainable development.