



To Infinity and Beyond

Year 5 Spring Term

English

'Cosmic' (a story about an 11 year old's quest to be the first child in space) will entertain and inspire the children with their narrative writing. The children will use their newly acquired knowledge of space to write an information text about our Solar System as well as a newspaper report about the Moon landing in 1969. Using other poetry as a stimulus, they will create their own space themed poetry and will write a persuasive advert encouraging readers to sign up for the NASA space program. Throughout these writing opportunities, children will be using all the Year 5 skills such as parenthesis, relative clauses, colons, semi-colons and compound and complex sentences.

Maths

This term, children will learn how to use a formal written method to multiply a 4 digit number by a 2 digit number. Following on from this, they will learn how to divide a 4 digit by 1 digit number and apply this learning to reasoning and problem solving questions. The remainder of the term will be focused on learning all about fractions. This will include finding equivalent fractions, adding and subtracting fractions and finding fractions of an amount. Please continue to encourage children to practise their times tables as this is a key part of their learning.

Wow Event!

Leicester Space Museum & Space Camp!

Humanities

History Children will learn about the Space Race between USA and USSR and will look at evidence and propaganda released at the time. They will question the reliability of different sources before drawing conclusions. They will learn about the significant discoveries throughout history linked to space exploration.

RE We will focus on answering the question, 'What does it mean to be a Muslim in Britain today?' including the story of Bilal and the 5 pillars of Islam.

Languages The planets, talking about myself and others and the seaside

Geography Using their knowledge of lines of longitude and latitude, children will learn about different time zones around the world.

Computing

Children will use Scratch to design, write and debug programs to accomplish specific goals such as creating a toilet fan, carpark barrier and angle sorter. Later in the term, they will choose a program to present their learning from the topic.

The Arts

Music Children will compose, perform and evaluate music using a outer-space video as a stimulus.

Art & Design In D&T, children will design and build a mechanical model of the solar system (an orrery). In art, they will recreate work based on the artist Peter Thorpe and will experiment with a range of media to depict the phases of the Moon.

PSHE

Through our Relationships and Sex Education curriculum, the children will learn about puberty: why it happens and the different changes in girls and boys.

Science

Children will research the planets of the Solar System and will learn about the history of scientific space theories (including the Big Bang theory) and discoveries up till now.

They will conduct investigations to understand the reasons behind day and night and different time zones. They will plan an experiment to investigate how air resistance affects the speed of a falling paper spinner and how and why craters of different sizes are created. They will research the affects of gravity and plan an investigation to prove or disprove the theories of Galileo and Aristotle.