

COSMIC



With the idea of recreational space travel on the horizon, as well as the concept of the colonisation of Mars, the final frontier is pushing new boundaries. The achievements in space exploration so far are incredible; from scientifically pioneering moments in history, such as Neil Armstrong's first steps on the moon and his legendary words 'That's one small step for a man, one giant leap for mankind', to a permanent orbiting scientific laboratory, the International Space Station. As we take our own first steps into the mysteries of the galaxy, the different elements of our curriculum will help us to unlock and explore our understanding of the solar system... and beyond.

As language specialists...

we will be studying a fantastic book called, 'The Jamie Drake Equation' written by Christopher Edge. In addition to this, we will explore a wide range of high-quality non-fiction texts and articles that link in with our topic of space and the universe, taken from 'Planetarium', written by Raman Prinja. Comprehension and study will enable us to develop a treasury of subject specific language and an understanding of standard formal English, which we can use in our own writing. As mentioned, we will delve into the work of Christopher Edge, *The Jamie Drake Equation*, letting us create our own narratives based on visual literacy as we write stories inspired by high quality film footage, such as the unforgettable Apollo launches and the '7 Minutes of Terror' descent through the Martian atmosphere, narrated by Adam Steltzner. As ever, grammar and word level work will be covered, allowing us to progress through the Year 5 English curriculum.

As mathematicians...

We will be taking our time to understand fractions, recapping and consolidating our understanding so as to build confidence. We will understand equivalents, mixed numbers and improper fractions. We will learn how to add, subtract and multiply fractions and mixed numbers. We will then turn our attention to decimals, understanding what 1 and 2 decimal places are, rounding, comparing and ordering them. Finally, we will turn to percentages - linking them with fractions and decimals.

The Wider Curriculum

As artists...

We will study artists such as Da Vinci, Michelangelo and Botticelli and discuss how their work links to space, flight and the consideration of a 'creators' home above us in the clouds.

As computer specialists...

We will learn all about programming and debugging models that depict reality: can we animate our own working solar system?

As fitness experts...

We will learn the technical and collaborative skills needed to play the competitive team sport, netball.

As theologians and thinkers...

We will explore the rights of a child and the inequalities that exist in the world. Understanding more about the ten commandments and the religious rules and moral codes that exist in Sikhism and Hinduism.

As musicians...

We will listen and respond to all 7 of Gustav Holst's *The Planets*. We will then focus on one planet: Mars - The Bringer of War. We will understand the origin, story and context of the music and its composer.

As Historians...

we will research the historical details of the first man into space, the Apollo 11 Space Mission and the moon landing, and see what this meant as history unfolded.

We will learn about the international collaboration that has made the ISS possible. The 2021 Mars rover mission will be the first to collect samples and opens a multitude of possibilities about the future of space exploration.

As scientists...

we will attempt to define the solar system and what it contains, examining the different bodies within it. We will then explore how the rotation of the Earth around the sun creates day and night. We will move from Earth to the moon and investigate how the moon phases change, before learning about the other planets in our solar system.

Ambitious Thinking...

The work on board the International Space Station is to explore whether humans can live in space and increase the possibility of this.

What do you think are the implications of living in outer space?

Would you move?

Citizenship & British Values...

Being a citizen is about students developing their self-knowledge and respect for other people. These are exactly the themes we will study in our PSHE lessons this half term. We'll start off by looking at our own physical health and wellbeing – the need for sleep, fitness, knowledge of medication and allergens then finally turn to respecting our environment and others.