

YEAR 5 SPACE



A selection of vocabulary we will use:

astronaut, drag, cosmonaut, air resistance, space station, variables, solar system, gravity, orbit, rotation, constellations, axis, Copernicus, spherical, geocentric, eclipse, heliocentric, satellite, phases, universe, nebula, galaxy,

As writers we will write a poem based on Grace Nichols poem 'Aurora Borealis'. We will create a newspaper report based around the novel Aquilla by Andrew Norriss. We will use figurative language and focus on selecting appropriate structure, vocabulary and grammar.

As readers we will be reading the fiction novel 'Aquila' by Andrew Norriss. In guided reading and developing our understanding of inference and using 'PEE' (Point Evidence Explain) to support our comprehension.

As mathematicians we will develop our knowledge of place value, addition and subtraction and multiplication and division.

As scientists we will be investigating air resistance and other forces relating to rockets. We will be studying light and explore how it travels and how shadows form. We will investigate the movement of our planets in the Solar System along with understanding Earth's rotation and the apparent movement of the Sun across the sky.

As musicians we will be learning to play a brass instrument.

As artists we will be looking at artists specialising in collage. We will experiment with different techniques in our sketchbooks and create our own retro inspired space collage.

As sportspeople we will be gaining a deeper understanding of team games including hockey and cricket.

External visits: We will have a full day's engineering workshop around space exploration, delivered by Lancaster University. We will explore the properties of different materials and the challenges facing space exploration in the past, present and future including the Apollo 13 mission, the landing on Mars of Curiosity Rover and cleaning up space. We will also explore the universe further with the visit of an inflatable planetarium from Lancaster University.

Christianity (God)

Why is it sometimes difficult to do the right thing?

We will explore Christian beliefs and teachings about sin and temptation and the importance of forgiveness in the teachings of Christianity.

PSHE: Relationships

Families and friendships: Managing friendships and peer influence.

Safe relationships: Physical contact and feeling safe.

Respecting ourselves and others

Responding respectfully to a wide range of people; recognising prejudice and discrimination.

Whole School Values

Hope – looking forward and the need for **perseverance**.