



Year 5 Autumn Term

Final Frontiers;

Exploration of the 20th Century

Key vocabulary:

Gravity, friction, attraction, repel, poles, magnets, arctic, Antarctic, polar, explorer, rotates, orbits, solar systems, sun, Earth, moon, planets, stars.

In this topic we will be studying great exploration of the 20th century; expeditions to the Polar regions and humans first voyages into outer space.

Our Launch: We will start our topic with an explorers survival day on the field where children will have the opportunity to take part in role play, team building games and survival activities as we immerse ourselves in the role of intrepid explorers.

English

To start the year we will be writing autobiographies of famous Arctic Explorers. As we move into the space section of our Topic, we will write stories set on alien planets and debate about whether humans really did visit the moon.

Geography

We will use a variety of resources including globes, atlases and online maps to locate the polar regions and the continents.

We will also explore the concepts of latitude, longitude, the Equator and the Arctic and Antarctic Circles. This work will also see us study Time zones across the world and see how this links to our Science work.

Computing/safety

Pupils will learn a variety of search techniques to filter and refine results. They will identify websites that offer fact or opinion as well as spotting fake sites and making assessments about the reliability of a website.

PHSE

Half term 1: Mental Health and Emotional Wellbeing; Dealing with feelings.

Half term 2: Keeping Safe and managing risk; When things go wrong.

RRS Articles

Article 6—Every Child has the right to life. Governments should do all they can to ensure children survive and develop to their full potential.

Article 29—Your education should help you use and develop your talents and abilities. It should also help you to learn to live peacefully, protect the environment and respect other people.



Maths

Our focus across the first term will be on number and place value and addition and subtraction. Children will be comparing, ordering and rounding numbers up to 1,000,000. Children will also use written methods to add and subtract numbers up to 4-digits. As throughout all of our maths studies, we will also be solving problems involving our new learning.

Science

The children will learn about forces such as friction and gravity, as well as studying magnets linked to our polar work. As we progress through the Topic we will begin looking at our solar system and how Earth rotates and how this creates day and night. We will look at how celestial bodies (Earth, Moon, Sun) move in relation to one another and our planet's place in our solar system.

Creative work

Children will use Van Gogh's 'Starry Night' as a basis for star themed paintings. We will also use real and electronic instruments, including apps, to create space themed pieces of music.

Local Links

A class visit to the local Roseland Observatory.

Space Exploration of the Future; Newquay Space Hub.

Final Product: The class will hold an 'Exploring our Solar System' exhibit for a partner class where we will showcase our learning and host interactive activities.