



St. Anne's Catholic Primary School

Year 5 Knowledge Organiser

'We Are Explorers!'

"Loving God In All We Do."

The 'We Are Explorers' topic is about ...

Throughout this topic the children will be learning about planet Earth, The Milky Way and the Solar System.

Last January we took part in a live, online digital workshop with the Royal Observatory in Greenwich, using Microsoft Teams. We hope to do this again in 2022 as the workshops are led by a real Astronomer. (To be confirmed.)

What we already know...

The children have some good general knowledge regarding the names of the planets in the Solar System, black holes, space travel and famous astronauts.

We will build on their prior knowledge beginning with the movement of the Earth, and other planets, relative to the Sun in the solar system, and learning the order of the planets from the Sun.

By the end of the topic we will know (NC)

All about Earth, the planets and our solar system. Also we will know about space travel and Astronauts.

By the end of the topic we will be able to (skills progression)

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Also, articulate and explain findings from their research using scientific knowledge, vocab and understanding.

Vocabulary

Science

Space, Solar System, Universe, Galaxies, Milky Way, Asteroids, Meteors, Stars, Constellations.

Music

Film Music: composers, dynamics, tempo, pitch, genre, instruments, vocals, suitability.

Art & Design

Sketch, label, model, scale, materials.

Computing

Passwords, online safety, security, acceptable / unacceptable behaviour, report concerns, cyber bullying, appropriate content.



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Wider curriculum learning

PE—Swimming, water safety and lifesaving at Park Pool.

French— Read carefully and show understanding of words, phrases and simple writing.

Art— Record their thoughts and experiences in a sketch book, and annotate these in order to aid the development of their ideas for making a spacecraft and designing a planet.

We are going to read:

Cosmic by Frank Cottrell-Boyce. Stanley in Space by Jeff Brown.

The Space we're in by Katya Balen. The Kid who came from Space by Ross Welford.

In collaborative learning this half-term we are going to

We will be designing and making a model of a spaceship or rocket this half-term.

Let's try this at home

Visit the NASA website: www.nasa.gov to explore our wonderful Galaxy and find information on Space Travel and The International Space Station.

Visit the UK Space agency at www.gov.uk/government/organisations/uk-space-agency to look at their learning resources.

Key dates for this half-term

Swimming for Year 5 at Park Pool will begin in the afternoon of Thursday 6th January 2022.