



# 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 ...

During this topic the children will be learning about Earth, Space and the Solar System.

We will be taking part in a live, online digital workshop with the Royal Observatory in Greenwich, using Microsoft Teams. The workshops will be led by a real Astronomer.

#### What we already know...

The children have some knowledge of the solar system including names of planets. Some children know that stars are made of light and others understand how a black hole is formed.

They know that our Galaxy is called The Milky Way and that man has walked on the Moon.

#### By the end of the topic we will know ...

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 ...

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 (Starting date to be confirmed as they **wont be starting straight away.**)

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.

### **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](http://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](http://www.gov.uk/government/organisations/uk-space-agency) to look at their learning resources.

### **Key dates for this half-term**

Swimming for Year 5 to be confirmed in the new year.