



Spring

# YEAR 5

## Out of this world!

Some information to help you support your child this term

### CORE SUBJECTS

#### Maths

This term we will be starting with a unit of work on multiplication and division. This will include work on factors, multiples, prime and square numbers and will move on to using the formal methods of multiplication and division.

Following that we will be looking at fractions including equivalent fractions, improper fractions and mixed numbers, adding, subtracting and multiplying fractions.

We will be using all of the above methods to solve problems throughout the term.

#### English

In English the children will be writing a **science fiction narrative** using their knowledge of the universe and what they learn in Science to develop their stories.

After half term, we will be looking how an argument is constructed, considering both viewpoints. We will also be looking at how a newspaper is written and writing our own about our space topic.

And please remember, the children should be reading to an adult at least twice a week and filling in their reading records every day.

#### Science

Out of this world!

Our Science this term will be related to our topic of Space. The children will learn about the size of the Sun, Moon and Earth and their relative distances. They will learn to explain how night and day occur and the influence the moon has on our planet.

We will follow the changes that occur over a lunar month and how the moon appears to us in the night sky. Part of the work will be an independent investigation for homework relating to a planet of their choice.

We will also be looking at materials and their properties, thinking about what objects are made from, how materials are combined and separated for use in real life.

#### Computing

"We are game developers"

We will be planning a simple game: designing characters and backgrounds, creating a working prototype and developing it further based on feedback.

### FOUNDATION SUBJECTS

#### Topic

**Out of this world!**  
We are going deep into space and all the wonders it holds! We will find out about the history of space travel and the space race. We will be looking at what you need to do to become an astronaut and living in space will also be covered.

#### R.E.

We will begin this term by learning about Gospel and considering 'What would Jesus do?' To help us understand we will be using biblical texts to make connections.

#### History

##### *The Vikings*

We will look at aspects of Viking life through different sources. The children will also be developing their Geographical skills by using atlases to locate where the Vikings came from and where they invaded. The era will be placed in context by referring to previous civilisations that have been studied.

#### D&T

In D&T this term we will be learning about cams and how they can be used to make parts move. The children will focus on how different shaped cams produce different movements. They will then plan and make a moving model with a space theme to link with our topic.

#### Art

This term we will be looking at the work of the famous Japanese artist Hokusai. In particular, we will be studying his work called "The Great Wave" and we will be trying to make our own version of this painting using a variety of techniques.