



Spring 2020

YEAR 5

Out of this world!

Some information to help you support your child this term

CORE SUBJECTS

Maths

One of our key aims this term is to secure the use of written methods for all four operations and to use these, when necessary, to solve multi-step word problems.

The children will continue to work with fractions, finding quantities of amounts. Decimals and percentages will also feature.

As always it is vital they continue to learn their times tables and the inverse calculations.

English

In English we will be reading *Hidden Figures* and looking at the **biographies** of the four women.

We are going to be looking at **discussion texts** and how to produce an effective balanced argument—with a space twist—and an evaluative conclusion.

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.

The children should be reading to an adult at least twice a week.

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.

Computing

'We are cryptographers'

We will be learning about communicating information securely through an introduction to cryptography (the science of keeping communication and information secret). We will investigate early methods of communicating over distances and consider what makes a secure password.

'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 Incarnation and if Jesus was the Messiah. 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 and map their journey to England. 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. We will have a DT day later in the term.

Art

Art this term focuses on producing a portrait. Week by week we will focus on how to draw different features of the face that will lead them to finally produce their own portrait. The children will look at the work of various portrait artists and their differing styles. The children will use a variety of media to produce their work including pencils and paints.