



Curriculum Newsletter Year 5



Happy New Year and Welcome back!

We know that when we look up at our sky we will see the Sun, the Moon and the stars. We take them for granted. But why are they there? What do they do? How do they affect the Earth? Astronomy, like all sciences, is about asking questions. By becoming space explorers, we can find out more about our solar system and the deeper mysteries of the universe.

Goldilocks words:

The Goldilocks words are the key vocabulary the children will learn, understand and be able to use by the end of the topic. They are called Goldilocks words as they are not too easy, not too hard, but just right!

Space, moon, sun

Earth's axis , solar system , debris , rotate , expanse , Optical telescopes , Space probes , comet, asteroids, meteor, red giants, black dwarfs, white dwarfs

Ideas for home learning:

- Make a labelled diagram of the solar system and draw it to scale
- Research facts about the planets. Which planet is the biggest? Which planet has the shortest day?
- Design your own planet. How would it look? You could make a template or design a fact-file.
- Research the composer Gustav Holst and listen to 'The Planets'. Choose a planet to listen to or compare two pieces. How does the music make you feel? Which instruments has he used to create different effects?

Key messages:

P.E. Monday and Wednesday

We will be doing Gymnastics for PE this term so for health and safety reasons, it is important that P.E. kits are worn to school on these days.

Homework reminder—please try and read every night and practice your Times Table rock stars

Space Explorers

Spring 1 2024

English

In English, we will be studying the book **Curiosity: The Story of a Mars Rover** by Markus Motum. Amongst the learning activities involved will be writing our own proposals to NASA, compiling a news report and producing an expanded explanation of how Mars transport vehicles

Art

In Art, we'll be finding out: How we can capture the shape, colour and patterns of a nebulae in art How we can create our own satellite images

PE

We will be developing our gymnastics skills and techniques using different apparatus and our bodies. Please remember to wear the correct PE kits on these days.

PSHE

This term we will be looking at the theme of Dreams and Goals. We will be exploring different career options and jobs, and looking at how to achieve those goals of what we want to be when we grow up.



Science

This term we will be exploring the Science element of Earth and Space along. We will be looking at the differences between day and night and the different planets around the solar system.

RE

Our area of study this term will be Islam. We will be looking at the main beliefs of the religion, where it was founded and who by, special places and festivals, the Islamic holy book and the important symbols of Islam (along with their meanings).

Mathematics

- Consolidate multiplication facts up to 12×12
- Multiply up to 4-digits by 1 and 2-digit numbers.
- Exploring when to exchange during multiplication and division
- Divide up to 3-digit numbers by 1-digit
- Explore fractions and make links with equivalent decimals and percentages.
- Secure methods for solving 2 and 3 step problems.

Computing

Our focus this term will be on word processing and content creation. We will be learning about features of different types of media such as word documents, slides and web pages; additionally looking at how these interact with the modern day concept of cloud computing.

Topic

In Topic we will be learning about what people in the past used to think about the Earth, Sun and Moon About Galileo and his findings about the Earth, Sun and Moon About the constellations and the stories that they tell How to make a timeline to show some of the important events in the history of astronomy and space.