Kingfisher Class Topic Map

MISSION SPACE



English

This term, we will be writing a narrative (story), with the purpose of entertaining the reader.

To do this, we will be learning how to expand noun phrases, use exciting adverbs and fronted adverbials and most importantly, using dictionaries and thesaurus to enhance our writing. We will use a model text called, 'The Space Shuttle,' which I have adapted to fit with our wider, space-themed topic.

Guided Reading

In guided reading we will be reading the book, 'George's Secret Key to the Universe' by Stephen and Lucy Hawking. George's pet pig breaks through the fence into the garden next door - introducing him to his new neighbours: the scientist, Eric, his daughter, Annie, and a super-intelligent computer called Cosmos.

And from that moment George's life will never be the same again, for Cosmos can open a portal to any point in outer space.

We will be using our VIPERS skills to explore!

Music

This term, we will be looking at Programme Music and creating and composing some cosmic music.

RE and World Views

In RE and World Views, we will be asking the Key Question, "What does the Qur'an reveal about Allah and his guidance?"

PSHE

This term, we will start with a focus on a unit of Learning that focuses on, 'Valuing Difference.'

MFL

In French, Mrs. Hussey will be teaching the children how to: 'Vive la Sport!', learning about different sports and what they like to play.

Science

This term, we will be learning all about Earth and Space!

More detail on the second page of the knowledge organiser, but we will be immersing ourselves into all things space, from how the Earth, Moon and Sun move in relation to one another to why we have day and night.

PE

Our PE day on Wednesday with Mr. Swift will be teaching the children Tag Rugby.

We will continue to take the Year 4 children to the Olympiad for swimming on Friday.

This term we also have Forest School every Thursday afternoon.

Maths

In Maths this term, we will begin by Concentrating on multiplying a number by 1 and itself then moving through to multiplying up to 1,000. We will then think about dividing a number by 1 and itself again up to 1,000 before thinking about the vocabulary of multiples. Following this, we will learn about using related facts to solve multiplication and division problems, using mental strategies and finally how to use formal methods to show multiplication and division, including division with remainders.

At the end of term, we will move onto a short unit about Area and Perimeter.

Computing

We will continue to learn about video Production using the iPads.

History

This term, we will be learning about significant milestones and individuals whose impact has been instrumental in space exploration. We will look specifically at Edward Hubble, Valentina Tereshkova and Tim Peake, as well as learn about the International Space Station and the Apollo 11 mission to the Moon.

Art

In Art, we will be inspired by the work of Retro-futurist artist Arthur Radebaugh and creating our own piece of space art based on this style.

Kingfisher Class Knowledge Organiser

Our Essential Knowledge

Mission Space

By the end of the term, we will be able to:

- Explain how the Earth moves in relation to the Sun;
- Explain how the Moon moves in relation to the Earth and the Sun;
- Tell you about significant milestones and individuals involved in Space exploration.

Our Big Questions

- What shape are the Earth, Sun and Moon?
- How does the Moon move relative to the Earth?
- How does the Earth's rotation cause Day and Night?
- How do the Earth, and other planets, move in relation to the Sun?
- How does the Earth rotate in relation to the Sun?
- What was the Space Race?
- Who was Edward Hubble?
- What is the ISS?
- Who were Valentina Tereshkova and Tim Peake?
- What happened on the Apollo 11 Mission?



MISSION SPACE



Our Key Vocabulary

Solar System

Gravity

Orbit

Rotate

Exploration

Pioneer

Sphere/Spherical



