SPACE

WENLOCK CLASS SPRING TERM 2022

OVERVIEW AND KEY QUESTIONS

This topic will explore both the history of space and future of space and the children will be inspired by both science fact and science fiction.

What are the main events in the history of space exploration? What does the future of space exploration hold? Why do we have day and night? Why do we have seasons? What was the Space Shuttle and how did it work? What do astronauts do? Was there life on Mars? Is there life elsewhere in space? What is the Kessler Effect? What are satellites and what do they do? What was the Space Race? What are the pros and cons of sending people into space? And much, much more!

MATHS

In maths this term, we will mostly be concentrating on fractions. Our key objectives for this mission are:

• Compare and order fractions with different denominators. • Find equivalent fractions.

• Understand mixed numbers and improper fractions • Add and subtract fractions

We will also be looking at the different planets in our solar system and beyond, which will require a good understanding of numbers in the millions.

ENGLISH

The children will read 'Jazz harper: Space Explorer' and 'Cosmic' by Frank Cottrell Boyce in English and many of our writing opportunities and reading comprehensions will be centred around these texts. We'll enjoy writing a balanced argument titled, 'Apollo 13: A Successful failure' and many other non-fiction texts using our new learning. In English grammar, punctuation and spelling, our topics are: 'parenthesis, expanded noun phrases, tense, commas, and cohesion.

HOOKS AND HIGHLIGHTS

ROCKET SCIENCE. NATIONAL SPACE CENTRE. ASTRONAUT TRAINING. SPACE FOOD. ESA COMPETITIONS. BRITISH SCIENCE WEEK. SPACE VR..

SCIENCE

Our learning opportunities in science for this topic are as endless as space itself! Here are some of our mission objectives:

• Describe the Sun, Earth and Moon as approximately spherical bodies

• Describe the movement of the Earth, and other planets, relative to the Sun in the solar system

• Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

• Describe the movement of the Moon relative to the Earth.

RELIGIOUS EDUCATION AND CHRISTIAN VALUES

Our topics this term are:

Gospel: What Would Jesus Do?

Salvation: What did Jesus do to save human beings?

THE WIDER CURRICULUM

In art, we'll have a go at drawing, painting, and collaging the planets. In DT, we'll attempt to design our own space suits and real 'exploding' rockets. We'll have a go at creating NASA's ultimate paper aeroplane and testing it against other models. We'll use IT to complete space research and create our own space fact files using programs like Publisher or PowerPoint. In PE, we'll be swimming and enjoying orienteering and tag rugby. We will continue working through our French vocabulary– going back and revising where necessary. We'll listen to famous space songs and pieces of space music to inspire us to produce our own songs, dances and pieces of artwork. In history, we'll look at the history of space exploration with focus on key dates and achievements. In geography will explore the geography of other planets and why we might struggle to live elsewhere in the solar system.

HOMEWORK PROJECT HDEAS

Keep a moon diary.

Use Tinkercad at home to explore computer aided design.

Look for the ISS as it flies overhead.

Follow the progress of NASA's Mars rover.

KEY ROUTINES AND DATES

Wenlock class will be swimming on Thursday mornings for six weeks.

Friday 18th February- School Closed PD Day. Monday 21st-Friday 25th February Half Term. Monday 28th February -School Closed PD Day

Check out the school newsletter or class dojo for more up-to-date information.

Keep PE kit in school all week where possible.