Space

Will we still live on Earth in 100 years?

Year 5

Spring 2 Curriculum Overview 2022-2023

As writers we will: develop our narrative skills further using the book, "Cosmic" by Frank Cottrell Boyce as our inspiration. We will go on a writing journey that allows us to improve our powerful descriptions when using the five senses. We will use a wide range of punctuation including brackets, commas and inverted commas to evolve our plot. In addition to this, we will use a range of sentence types (short and complex) for different purposes.

As mathematicians we will focus on fractions and decimals by:

- Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- Solve problems that involve adding, subtracting, multiplying and dividing fractions.
- Solve problems that involve adding, subtracting, multiplying and dividing improper, mixed and proper fraction
- Read, write order and compare numbers with up to three decimal places.

As Artists we will: study 'Cross Hatching' inspired by Rembrandt's style. It involves drawing parallel lines in two different directions so they overlap each other. This is a way to create shading with graphite pencils, pens, colored pencils, pastels and even ink or watercolor washes.

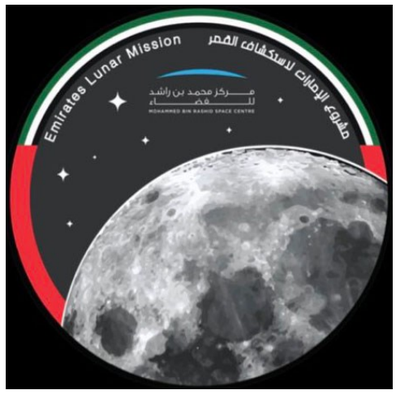
HPL links for this half term are::

February

March

This half term we will take a journey in space:

The children will learn how the solar system we live in is only a tiny part of the universe. We will look at the human challenge of going into space, landing on the moon and where we are currently exploring and planning to travel to in the future. We will look at the first Emirati to travel into space, Hazza Al Mansouri, the Emirati mission to Mars and future Emirati projects linked to space travel.



We will look at how people of all backgrounds have worked together to make the journey into space by facing huge challenges. We will see if we have what it takes to be astronaut or rocket scientist.

As readers we will:

- Explore our book, "A Galaxy of her Own" by Libby Jackson as well as our second book "Cosmic"
- Look at the lives of famous space adventurers
- Compare the similarities and differences between fiction and non fiction books.

As scientists we will learn about the Solar System and the planets. We will look at how planets orbit the sun, the similarities and differences between planets, how shadows change during the day due to the movement of the Earth, how the seasons are affected by the earth's movement.

As historians we will: identify the key events and dates that have lead to the race to the moon, the formation of NASA and other space agencies.

As design and technologists we will: design new modes of transport to take us into space and build constellation light boxes.

As users of technology we will: continue to explore selection in physical computing by exploring conditions and selection using a programmable microcontroller.

As citizens' of the UAE we will look at the Emirati Space Program

GFS Curriculum Drivers linked to the National Agenda

Enterprise and Innovation	Eco and Environment	Inclusive Communities
As innovators we will: design methods of transport to travel into space and build a constellation light box.	**As people concerned with the environment** we will look at the impact of the space programs around the world.	**As members of a community** Discuss which features of communities would we take to a new world.

Opportunities for Enrichment

School	Home
♦ Engage in a virtual field trip to explore the universe using VR headsets ♦ Become fully fledged astronauts during Space Day.	♦ What would you tell an alien about life on planet earth.