



# Year 5 Learning Leaflet



## Topic

**History** - We will study the space race which includes historical events such as the Moon landings and the lives of well-known astronauts and astrophysicists

**Art, Design and Technology** - The children will be learning to design and make transportation, clothing and gadgets for specific space missions and evaluating the effectiveness of their design.

The children will be creating artwork of the solar system and use a variety of techniques to create artwork of the phases of the Moon.

## Maths

This half term the children will be learning about how to interpret data that is presented in tables. This will include interpreting and understanding 2 way tables and timetables.

Our second maths unit will focus on learning how to calculate perimeter and area of 2D, rectilinear and composite shapes, and to be able to apply these skills to solving a variety of problems.

Our third unit will focus on developing written multiplication and division methods and applying them in reasoning and problem solving. By the end of the unit, children will be able to use formal written methods to calculate 4-digit by 2-digit multiplication and 4-digit by 1-digit division.

## Stargazers

This half term our topic is 'Stargazers, a study of The Solar System, The Milky Way and The Universe.

This topic is mainly a science led topic but we will be linking most of our learning throughout the curriculum to this topic.

## Other subjects

**RE** - Are Sikh stories important today?

**PE** - A variety of home learning PE activities.

**PSHE** - Our PSHE theme this half term is 'Keeping myself safe'.

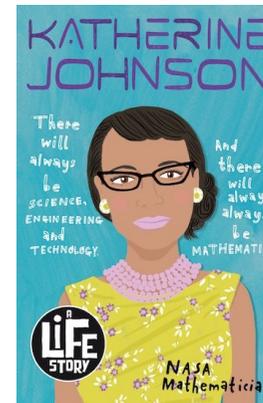
**French** - Quelle est la date?

**Music** - We will be singing weekly and appraising music linked to our topic..

**Computing** - We will be using technology to research issues relating to our topic, using technology to enhance home-learning and understanding how to keep ourselves safe online.

## Dates for the diary

- School closes for the end of term on Friday 12th February.



## English

The first English unit will be linked to letter writing, with children developing the skills to write letters to famous, British astronauts and space scientists.

Our second unit will focus on developing the skills needed to write biographies; the children will be applying these skills to write a biography of the famous NASA mathematician, Katherine Johnson.

Our final unit will focus on developing skills to write space inspired poetry.

We will be using a variety of space inspired texts for guided reading, including newspaper articles and song lyrics. We will be reading the Jamie Drake Equation as our class novel.

## Science

We will be using a variety of sources to research the planets in The solar System, The Moon and other moons, our galaxy and other cosmic occurrences such as black holes, asteroids, comets and constellations. The children will also be creating models to demonstrate the relative sizes of, and spaces between, the planets in The Solar System. We will also be creating models to demonstrate how planets orbit the Sun and how the Earth rotates on its axis and how the Moon orbits the Earth. We will also research famous astrophysicists such as Galileo and conduct investigations linked to their findings.