

**Overview: As part of our topic-based learning this term, the children will have the opportunity to explore the Space Race and answer their Main Driver Question (MDQ) - 'Why was the space race historically important and how does it still influence us today?'. This will be taught, not just through Science and History, but through Reading, English, Design and Technology and in your child's research homework.**

## Reading

Our book this half term is called George's Secret Key to the Universe by the famous Scientist and his daughter – Lucy and Stephen Hawking. We will develop our vocabulary, retrieval and inference skills.



## Writing

In Writing, children will learn a text to help them improve descriptive language, then move onto writing an **adventure narrative**. They will also be conducting their own research to complete a **non-fiction report** about an extra-terrestrial creature.

## Maths

Children will be with 'Place Value, then progressing onto 'Addition and Subtraction'. In Year 5, we focus on numbers up to one million, including decimal numbers. Children need to apply their skills to complete multi-step word problems.



## Science

Our MDQ is 'How does the Earth's orbit affect the time?'. We will be studying the solar system, the moon, how the Earth's orbit and rotation determine time and season. Children will be conducting investigations looking at positions of the sun and earth and how shadows change.



## Computing

This half term our unit is called, 'We are Game Developers'. The pupils plan their own simple computer game. They design characters and backgrounds, and create a working prototype, which they develop further based on feedback they receive.



## Religious Education

Our MDQ for this half term is 'How far would a Sikh go for their religion?'. We will be exploring how to make realistic commitments and the act of selfless giving (langar).



## Languages – French

At the start of the year the children will revisit and explore conversational vocabulary learnt in Year 4. They will move on to learn about the French high street and learn how to ask questions whilst in a shop in France.



## PSHE

In PSHE, we will be following the JIGSAW scheme. Pupils will learn how to behave and respond to others through 'Being Me in My World'. This will include understanding the effect of our actions and how democracy and a voice benefits the school community.



## History

We will be exploring the MDQ- 'Why was the space race historically important and how does it still influence us today?'. Some of our learning includes exploring USSR Vs USA, the first female in space and the impact of Katherine Johnson.



## Art

Children will be sketching, designing and evaluating the making of their Space Rover'. We will compare ideas and methods with others and adapt their work with improvements.



## Design Technology

In DT we will be using electrical systems and computing to design and create 'Space Rovers', building on the skills of sawing and joining.



## Physical Education

This half-term our unit is 'Football'. We will be developing our passing skills and building this to select and combine more complex skills in game situations.



## Music

In Music this half-term, children will explore cyclic patterns. They will compose cyclic patterns and learn to follow a graphic score to perform with rhythmic accuracy.



## Geography

We will also cover Geography, building on children's knowledge of continents and the Earth's structure, looking particularly at key topographical features (including hills, mountains, coasts and rivers).



## Useful websites:

<http://solarsystem.nasa.gov/people/>  
[www.mymaths.co.uk](http://www.mymaths.co.uk)  
[www.nparenttoolkit.org.uk](http://www.nparenttoolkit.org.uk)

<https://www.activelearnprimary.co.uk/login?c=0>  
[www.nrich.maths.org](http://www.nrich.maths.org)  
<https://ttrockstars.com/login>