

**Topic: Space (Earth, Sun and Moon- Are We Alone?)**

**Writing**

This term we will be looking at the lives of famous scientists and physicists such as Stephen Hawking and Brian Cox. We will also be exploring the lives of astronauts such as Neil Armstrong and Timothy Peake. From our research, we will be writing biographies of their lives and their accomplishments in their lifetime. Children will explore chronological order and organisation of relevant facts.

Later, children will be writing short stories with a space theme as well as writing scientifically when explaining the phases of the Moon.

**Reading**

Our class novel this term is 'George's Secret Key to the Universe' written by Stephen and Lucy Hawking. The book is Science Fiction, but includes many real facts about Space throughout, which we felt perfectly complimented our topic.

**Numeracy:**

To begin, children will be recapping their knowledge of place value, formal written methods, problem solving and investigation. There will be opportunities for topic Maths learning, such as measuring the angles within Star constellations and finding the distances between the Sun and the planets in our solar system.

**Science:**

As our over arching topic is Space, Science will run alongside all learning throughout the term. Children will be exploring our solar system, the movement of the Earth, Sun and Moon, the Moon phases and beyond. Children will be creating scientific diagrams of their findings, researching unanswered questions and experimenting with models.

**History**

As children will be exploring the lives of famous scientists and astronauts, children will be researching time line events and milestones. Children will also be learning about the Moon landing and the Space Race to get there.

**Art/Design and Technology:**

Children will be using different textures and materials to create the different patterns for the planets in the solar system. Using ink splash techniques, children will be creating galaxy landscapes and backgrounds. Cross hatching, smudging and shading sketching techniques will be used to created space scenes also, using pencil.

**P.E.**

Children will be exploring dance in PE, choreographing a dance to represent the solar system and its movements. Complimented by the gymnastics coach, children will develop their balance, footwork and fluency when creating their 'Space Jam'.

**R.E:**

Children will be exploring Christianity and the Earth Creation story in contrast with the Big Bang Theory. Children will learn about the differences and similarities and will explore why people have beliefs and that beliefs are personal to them.

**Music:**

Children will be creating and performing a solar system song. There are a variety of current songs which we will be using as a direct influence. Children can use their song to remember the order of the planets within our solar system. Children will choose sounds unique and appropriate to the different planets.

**ICT:**

Children will be researching a lot this term. They will be researching unknown facts about the universe. Mostly, children will be researching the scientists and physicists as part of their biographical writing. Children will learn to scan and select relevant information from websites.

**P.S.H.E:**

Children will be looking at self-reflection this term and how to identify different feelings, behaviours and emotions.

Autumn

2017  
Home Links

Year 5



Teachers

Miss Suri and Mrs Stamper

Teaching Assistants

Mrs Hayhurst and Mrs Rogers

Homework:

Homework will be given out on a Friday and will include times tables, spellings and a reading books for pleasure. Books must be returned on a Monday, homework is to be handed in on a Wednesday. We will be announcing our class project this term, which will connect with Space.

Reminders:

PE will be on Thursday morning for Miss Suri and Friday morning for Mrs Stamper. For this half term, coaching will be on a Wednesday from our gymnastics coach-children will be expected to have their full **school PE kits (red shorts, white t shirt, grey or black, plain sweat-pants, training shoes)**. It is advised that PE kits come in on a Monday and are left for the duration of the week as other opportunities for sport may arise.

Children should have their own water bottle, clearly labelled with their name. Water bottles are available to purchase from the office at £1.50 each.

Children will be able to purchase a snack from our healthy Tuck Shop for 30p each. They will only be permitted to buy one snack each day.

The school day ends at 3:15pm. If you are running late or need extra childcare we have the afterschool club available, which is £4 for the first hour. Please speak to a member of staff who will happily assist you. We will be sending you a letter with details and the arrangements.

