

**Outcome: Comparative double page spread**

**Science**

We will develop our understanding and knowledge of our Solar System by describing the movement of the Earth, and other planets, relative to the Sun in the solar system, the movement of the Moon relative to the Earth and recognising the Sun, Earth and Moon are approximately spherical bodies. We will use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

**Computing**

We will use the internet to research facts about the different planets.



**Year 5 – Autumn Term**



**To Infinity and Beyond!**

This term Eagles will be studying the Earth, Sun and Moon and how they move in relation to each other to explain day and night. They will also research other planets in our solar system. The children will create their own pieces of music and artwork inspired by the Planet Suite by Holst. They will also write setting descriptions and stories, biographies of astronauts and film a video diary of life on the International Space Station.

**Outcome: Space Explorer Biographies**

**Computing/History**

We will research the history of Space exploration and famous astronauts (Neil Armstrong, Tim Peak etc) find out about their missions, their lives before they were astronauts and what they did after their expedition into space.

**Writing**

Using the information researched about the astronauts, we will write biographies about them.



**Outcome: Space stories**

**Writing/Drama**

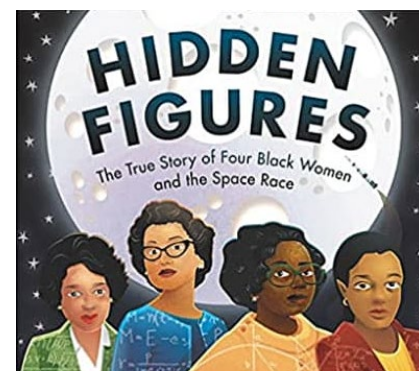
We will watch a film clip and create descriptions of the setting and characters using descriptive language and a variety of sentence types. We will use drama to develop conversations between the characters and record this using appropriate speech punctuation. We will then plan and write an alternative short story involving a journey to Mars. We will identify areas for improvement in our own and others writing and edit these.



**Outcome: Character study**

**History/Writing**

We will read the story Hidden Figures and undertake a series of writing tasks including diary entries and letters to explore the lives of four women who were instrumental in the 'space race'.



**Outcome- Investigation**

**Science**

We will develop our own investigation to learn about the formation of craters on the moon, thinking about how the size, weight or height of the ball affects the diameter of the crater?



**Outcome: Planet suite composition**

**Music**

We will listen to the 'Planet Suite' by Gustav Holst, compare the different pieces of music for each planet and identify the differences and similarities between the compositions. We will compose our own pieces of music relating to a planet using a range of instruments, thinking about how to record the music on paper so that it can be shared with others.



**Outcome: Video diary of life on the International Space Station**

**Computing/Writing**

We will research what life is like on the international space station and then use our research to write a script for our own video diary. We will then record our video diary in front of the green screen and insert a space scene.



**Maths**

This half term, we will continue to focus on mental multiplication and division including factors, multiples, prime numbers, square numbers and multiplying and dividing by 10/100/1000.

Finally, we will make equivalent fractions, convert between improper fractions and mixed numbers, order, add and subtract fractions and mixed numbers.

**PE**

In PE this half term, we will develop our football skills including marking and getting free and tactical play. This will culminate with an inter house tournament before Christmas.

With Mrs Viney we will be developing our personal fitness and understanding that circuits can take different forms and work on different fitness elements.

**PSHCE**

In PSHCE, this half term we will recognise and explain bullying and discriminatory behaviour and why respect is an important value.

**RE**

In RE this term we will be learning about the Trinity and the teachings of Jesus. Following this we will talking about why light is an important sign at Christmas.

**Science**

In Science, we will use a model of the sun and Earth to explain day and night. We will learn that the sun is a star at the centre of our solar system and that it has 8 planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune and that a moon is a celestial body that orbits a planet

We will find out about the way that ideas about the solar system have developed, understanding how the geocentric model of the solar system gave way to the heliocentric model by considering the work of scientists such as Ptolemy, Alhazen and Copernicus.

**French**

This term the children will revise general question and answer dialogues before starting their topic of the weather. The latter will include performing a weather forecast as well as songs and rhymes and describing weather paintings by the French artist, Monet. We will also look at writing instructions for a Halloween recipe!

**Art**

We will study artwork by Peter Thorpe and create 3d space art using watercolours and wax.