

Dear Parents,

This half term our topic is all about Space and shadows. . This will be building on their prior learning in KS1 of seasonal changes and their awareness of day length. They will investigate shadows, the orbit of the Earth around the sun and how it's rotation has an impact on shadows and as well as exploring light. The theme will be used as a vehicle to learn about the solar system, related art work, and raise awareness of the History of space travel as well as modern day STEM careers and ambassadors.

Mrs Chapman and Mrs Timmins.

**Our recommended read:**

This half term 'The Kid who came from space' will be available at the library or in school for you to borrow and share at home.



Why does a **shadow** change it's position and length during the day?

Why are **opaque** fabrics the best for



How many planets are there in our **solar system**?

How does a **lunar phase** alter thought it's cycle?

What is the Earth's primary **light source** ?

## Spring 2

**Things to remember:**

**Monday** - Chestnut forest school  
**Tuesday** - PE Day  
**Wednesday** - KS2 swimming  
**Thursday** - Reading books changed  
**Friday** - Spelling test and Willow forest school

**Thursday 11<sup>th</sup> May** - Centre for Life



**Astronaut**

At the Centre for Life, we will learn about the life of an Astronaut, the rigorous training they with complete and why they wear nappies!



**Astronomy**

Our night skies are filled with many beautiful stars, the planetarium takes us on a wonderful tour of the constellations.



**Planets**

Each planet is unique, during our visit we will get to explore different terrains and understand the value of gravity.

### Useful words

**light source** – something which produces illumination

**lunar phase** – an angle of the moon to the earth so it appears different every day

**opaque** – an object that you are not able to see through

**orbit** – the curved path of an object in space

**rotate**– to move in a circle around a centre

**shadow** – a dark area or shape produced by a body blocking light

**solar system** – a collection of planets and their moons round the sun.

**translucent** – allows light but not detailed shape to pass through

**transparent**– see through