To Infinity... and beyond!

Year 4
Summer Term

Did you know...

- There are more stars in the universe than grains of sand on all the beaches on Earth. That's at least a billion trillion!
- When venturing into space, astronauts wear spacesuits which have to be warmed, cooled, pressurised and supplied with fresh air. This takes six hours for them to put on!
- The Earth is about 4.5 billion years old – but that's only a third of the age of the universe – which is 13.5 billion years old!
- The Earth is tiny in comparison with the rest of the universe – it could fit into the sun 1.3 million times!
- The moon is the reason why we have tides and waves on Earth. Along with the sun, it moves billions of tonnes of water each day.
- A day on Mercury lasts longer than its year! Mercury moves around the sun faster than any other planet – making its year the equivalent of 88 Earth days!

Some questions we hope to answer this term are...

- Why do we have different seasons?
- How do we get night and day?
- What is the difference between solids, liquids and gases?
- How do astronauts sleep, eat and drink?
- Does the sun move?
- How did humans manage to reach outer space?
- What happened during 'The Moon Landing'?

This term, we will enrich the learning with....

*An astronaut training day!
*Visiting South Downs Planetarium and exploring some artefacts
*Visiting Brighton Museum for a Stone Age workshop

What will we be learning in each subject?

In **English**, we will be creating imagery and exploring poetry forms that will allow the children to utilise their imaginations. After writing a letter to apply for a job at NASA, we will create some eye-catching non-fiction pages about the planets in our solar system.

In **computing**, children will use Scratch to create a simple space themed computer game.

This term, in **History** we will be learning about the earliest settlements; hypothesising how Stone Henge was built; and identifying the changes to houses, tools and lifestyles, during the Stone Age, Bronze Age and Iron Age, and comparing them to today.

In **French**, we will be developing the children's vocabulary about days of the week, months of the year and items of food.

In **science**, we will be exploring Earth and beyond which involves the children investigating the position of the sun, moon and Earth. They will learn about the order of the planets in our solar system and how to distinguish between planets and stars. Children will also be exploring the different properties of solids, liquids and gases.

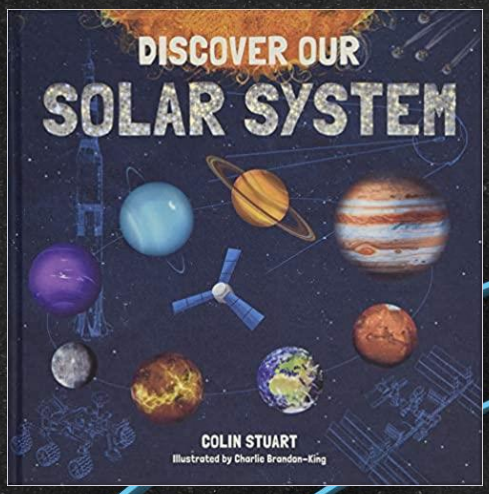
In **RSHE** we will be exploring chores and how we can help at home, whilst also looking into what contributes towards a healthy lifestyle.

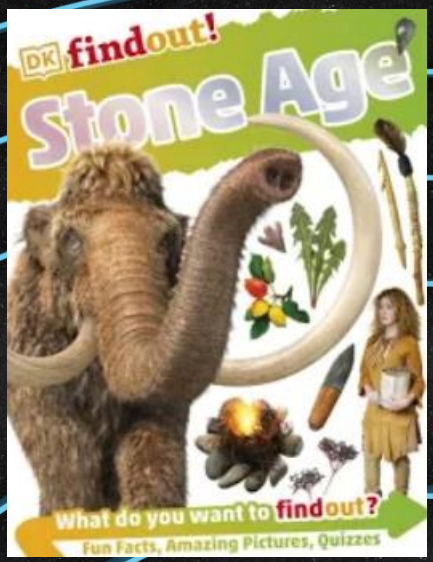
You can join in with our learning at home by...

Websites:

www.nasa.gov/audience/forkids/kidsclub/flash/index.html

http://www.esa.int/esaKIDSen/





Visiting...

Observatory Science Centre, **Herstmonceux**