

Science: Space

Our science and topic work will be very closely linked this half term. We will be finding out how man-kind has proven the Earth is a sphere and about the planets in the solar system. We will discover why we have night and day and seasons, the phases of the moon and carrying out an investigation all about craters.

English:

This half term, we will be using the book *Hidden Figures* to support our learning. We will start the half term by writing biographies, then move on to writing newspaper articles based around a graphic novel of the Challenger Disaster.

Texts:

- *Hidden Figures – The True Story of Four Black Women and the Space Race*
- *The Challenger Disaster* by Pranas T Naujokaitis

Art:

In art, we will be taking inspiration from Peter Thorpe, studying his technique and style of art before applying this to our own work.

DT:

In DT, we will be starting to make moving moon buggies. We will use junk modelling equipment, together with axles and wheels, to design and make a moon buggy. We will consider a target audience for our work and investigate different mechanisms for movement within the model.

Space: Is There Anyone Out There?

History:

Linked in to the Space theme, we will be learning about the Cold War between the USA and USSR, and the role of the Space Race within this. We will construct timelines, find out about the Moon Landings and decide if the Space Race had a winner.

Schools of Sanctuary:

We will be using the text '*Hidden Figures*' to discover the stories of four black women involved in the Space Race.



Maths:

Multiplication and division:

We will be learning methods to multiply up to 4 digit numbers by 2 digit numbers and divide up to 4 digit numbers by 1 digit numbers.

Fractions:

We will be working on our understanding of what a fraction is before ordering and comparing them. We will then be working with improper fractions (fractions greater than one, sometimes called 'top-heavy fractions') before beginning to add fractions together.

Problem solving and the opportunity to apply this learning will be built in to each week's block of work.

French: All About School.

We will be learning vocabulary associated with school and how to use it within a sentence, such as the subjects, how to say which we like and don't like, the days of the week and names of common school equipment.

PATHS:

We look at online relationships and how to report any concerns, what a stereotype is and the conventions of courtesy and manners.

Physical Education:

This half term's learning focuses on fundamental movement skills, dynamic balances on a line and counter balances with a partner. The skills being developed include organising roles and responsibilities within a small group, cooperation, patience and support and giving feedback to improve ourselves and others.

Optional Activities (that could be completed at home):

Please try and ensure that your child spends some time at home each day reading, either to themselves, out loud or by having an older sibling or adult read to them.

- Create a mnemonic to help remember the order of the planets.
- Create a cartoon strip about an alien landing on Earth or Doctor Who discovering a new planet.
- Write a set of instructions telling an alien how to pretend to be human and not get caught during a day at school.
- Design your own alien and write words to describe them.
- Research someone who landed on the moon. Create a fact file.
- Make a 3D model of an item from space (planet, rocket, stars etc).
- Record how your shadow changes during the day – draw around it or take photos. Write a conclusion about what you find.
- Write a scene of a play set in Space and act it out (Drama). □ Create a 3D model of the solar system
- Carry out a science investigation to record the sun rise and sun set times for 2 weeks. Draw a graph to show this.
- Write a song about Space and record yourself singing it.
- Create and record a TV program, teaching people facts about the solar system.
- Write a story about living in Space or on another planet.

