

Autumn 2021-
2022
Year 5

Science— Earth and Space

Sticky knowledge:

There are 8 planets in our Solar System (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune). Pluto is a dwarf planet. They all orbit the Sun, which is a star, and have approximately spherical bodies.

The Sun is a star and it is at the centre of the solar system

It takes 365¼ days for Earth to orbit the Sun because of the extra quarter day, every 4 years we have a leap year (extra day).

It takes one day (24 hours) for the Earth to make a complete rotation on its own axis. This makes it appear as the Sun moves through the sky but the Earth's rotation causes day and night. Different countries have different time zones depending on the position of the Earth to the sun.

The Sun (appears to) rise in the east and set in the west (approximately).

As the Earth rotates, shadows that are formed change in size and orientation.

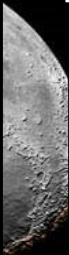
Earth's tilted axis causes the seasons.

The Moon orbits the Earth anticlockwise and takes approximately 27 days. It spins once on its axis every time it orbits Earth. This means that we only see one side of the Moon. The Moon has different phases depending on where it is in its orbit.



Discovery RE
Beliefs into action & All about Christmas

Maths
Addition
Subtraction
Multiplication
Division & Statistics



Geography Key facts— Where is Nasa?

Human fact- The Golden Gate Bridge, Statue of Liberty, The Whitehouse and the Empire State building are key human landmarks.

Location fact- The country America is broken down into 50 states and the capital city is Washington DC. North America has 23 countries.

Statistical fact- North America is the 3rd largest continent in the world and is 24,247,039km square

Physical fact- Highest Mountain: The Grand Canyon, The Mississippi River, Mount Denali and The Everglades National Park are all physical features.

Lost in space
What is there beyond Earth?

Jigsaw- We will be celebrating differences & Being me in my world

In English we will be reading...
Cosmic by Frank Cottrell Boyce



History—Key facts

Chronology— Tim Peake contributed to a big achievement for British History in 2016

Early Life: First became an officer in the British Army Air Corps, then a helicopter pilot onto becoming a platoon commander with the U.S. Army.

Achievements: First British astronaut to board the International Space Station and walk in space.

Legacy: He now spends his time visiting schools, teaching them about space and inspiring children and young people to follow their dreams.

Music
We will be looking at the songs 'Classroom Jazz' and 'Livin on a prayer' to learn about tempo, beat, rhythm and performance!

Design Technology
We will be making a mini space ride using a CAM to make it turn and spin.



Computing
The children will be learning how to use Microsoft Word and Excel