

Autumn 2 2020

Year 5

Thorpepark 50



Science— Earth and Space

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 $365\frac{1}{4}$ 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

All about Christmas

Maths

Statistics

Area and perimeter

Multiplication and division

Time

Jigsaw

We will be celebrating differences

History—Key facts

Chronology— 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.

Lost in space

What is there beyond Earth?

Music

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

Art

We will be sketching using pastel and chucks in the style of Peter Thorpe.



In English we will be reading...

Cosmic by Frank Cottrell Boyce



Computing

The children will be learning how to create Excel spreadsheets using data about the planets.