



## What should I already know?

- Our four seasons are spring, summer, autumn and winter.
- Colder weather comes in autumn and winter.
- Warmer weather comes in spring and summer.
- Our days of sunlight are longest in the summer and shortest in the winter.

## The Sun

The sun is a hot ball of gas which is classified as a star. The sun is placed at the center of our solar system and makes life possible on Earth. Planets are celestial object that orbit a star like our solar system's Sun.

## The Earth

The Earth, Sun and Moon are spherical (approximately). The Earth rotates on its axis, which stands at 23.5 angle. The sun's rays hit the side of the Earth, which faces the sun. This causes day and night. It takes the Earth 24 hours to make one complete turn on its axis. The Earth orbits the Sun. One orbit takes 365 days (one year). Gravity is the pulling force acting between the Earth and other planets.

## The Moon

The Moon orbits the Earth. One orbit takes approximately a month (28 days). We only see part of the Moon that is lit by the Sun, which is why it appears to be different shapes at different times of the month. The moon is described as waxing or waning as it gets larger from new moon to full moon. As the moon gets smaller from full moon to new moon it is described as waning.

## Key Vocabulary

<b>Rotate</b>	To turn around on one point, also known as an axis.
<b>Planets</b>	A celestial body, which orbits a star.
<b>Solar System</b>	Planets and their moons, which orbit the Sun.
<b>Orbit</b>	A repeating path, which one object takes around another.
<b>Earth</b>	Is our home planet. It is the 3 <sup>rd</sup> planet from the Sun and the 5 <sup>th</sup> largest planet in the solar system.
<b>Moon</b>	A natural object, which orbits a planet and reflects light.
<b>Star</b>	A large flowing ball of gas.
<b>Space</b>	An unlimited area where everything can be found. E.g planets and stars.
<b>Satellite</b>	A satellite is a moon, planet or machine that orbits a planet or star.
<b>Waxing</b>	description of the moon as it grows from new moon to full moon.
<b>Waning</b>	Description of the moon as it gets smaller from full moon to new moon.