

Key Vocabulary

1	Solar system – a star with objects (such as planets) orbiting it
2	Planet – an object that orbits a star and does not emit its own light
3	Solar Eclipse – the Moon passes between Earth and the Sun, thereby obscuring Earth's view of the Sun, totally or partially.
4	Lunar Eclipse - when the Moon moves into the Earth's shadow
5	Star – a burning mass of gas that makes heat and light energy (e.g. the sun)
6	Shadow - a dark area where light from a light source is blocked by an opaque object
7	Rotate – spin on axis
8	Universe – all of space and everything in it
9	Orbit - a curved path of a planet or satellite around an object
10	Season – is a period of the year that is distinguished by special climate conditions. The four seasons—spring, summer, fall, and winter. Each has its own light, temperature, and weather patterns that repeat yearly.

Day and Night

DAY and NIGHT - Earth rotates (spins) on its axis, it does a full spin once every 24 hours, which is our day and night. Daytime occurs when the side of the Earth is facing the sun and night occurs when the side of the Earth is facing away from the sun.



Year 5 Science Knowledge Organiser Earth and Space Pentecost Term 1



Our Question

Is it important to know about other places other than Earth?

How things move

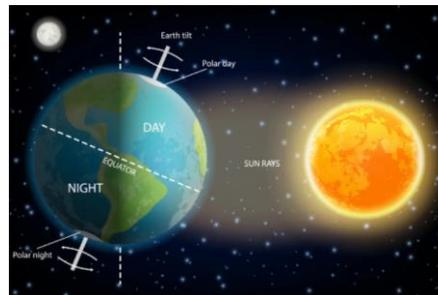
The **Earth revolves** (orbits) around the **Sun** in one year.

This tilt of the **Earth** is responsible for the seasons as the **Earth** orbits the **Sun**.

The **Sun** provides energy that sustains all life on **Earth**.

The **Moon moves** around the **Earth** in an approximately circular orbit, going once around us in approximately 27.3 days.

The **Moon** rotates on its axis as it orbits the **Earth** so that the same side of the Moon always faces the **Earth**.



Astronauts in space – Mae C Jemison

- *First black woman into Space*
- *She orbited the Earth for nearly 80 days as a Mission Specialist*



Planets

Order of the Planets in Our Solar System

