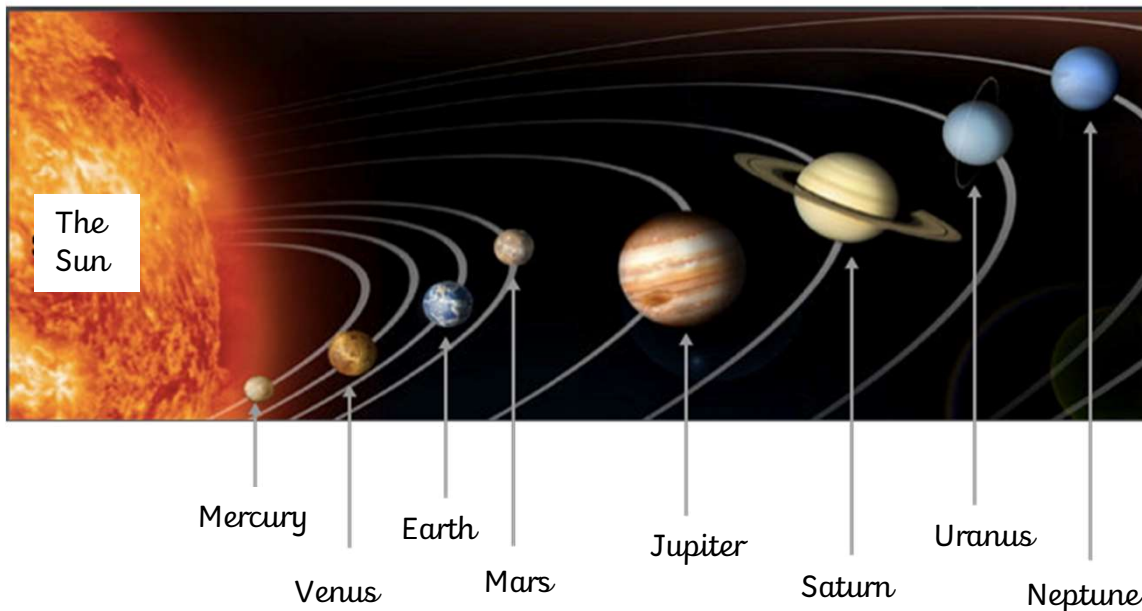


Year 5 Knowledge organiser - What does the Earth look like from the Solar System?

My Very Easy Method Just Speeds Up Naming



Sundials

Shadows change direction and length as the Earth rotates

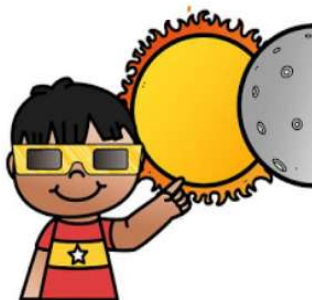
Sphere

The Earth and other planets are roughly **spherical** (ball shaped).



The sun

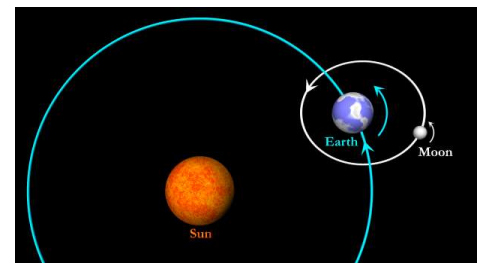
- Our Sun is a star.
- It just looks brighter than other stars because it is a lot closer.



Never look directly at the sun. There are special glasses for looking at eclipses.

Orbit

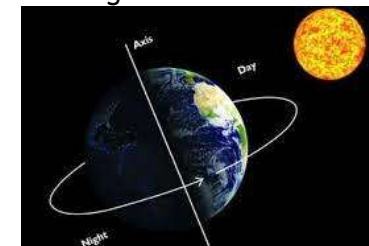
- This is the path an object takes through space around another object.
- The Earth orbits the Sun
- It takes **1 year** to orbit the Sun ($365 \frac{1}{4}$ days).
- The Moon orbits the Earth (roughly once a month)
- The Earth orbits the Sun in the same direction as the moon orbits Earth



Rotation

- To spin around a central point within the object
- The Earth rotates once every **24 hours**.

Earth's rotation gives us day and night. The half (hemisphere) facing the sun is in daytime. The other hemisphere is in nighttime. The Sun does not move.



Gravity

The force of gravity pulls everything **toward the centre of the Earth**.

This means that nobody feels upside down – even if they are living on the other side of the world. **Gravity keeps things in orbit** (e.g. the ISS around us, or planets around the sun).

