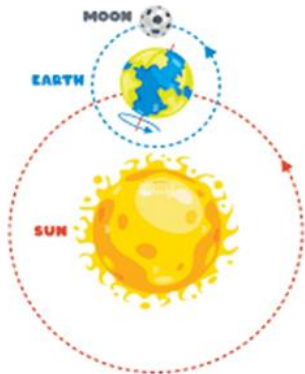


What I will learn (sticky knowledge)

- The **Sun** is a **star** which is at the centre of our **solar system**.
- There are 8 **planets** in the **solar system** which travel around the **Sun** in fixed **orbits**.
- Earth takes 365 $\frac{1}{4}$ days to complete its **orbit** around the Sun.
- The earth **rotates** (spins) on its **axis**. As earth **rotates**, half faces the Sun (here it is day) and half is facing away from the Sun (night).
- As the earth **rotates** the Sun appears to move across the sky.
- The moon **orbits** the earth. It takes about 28 days to complete its **orbit**.
- The Sun, earth and moon are approximately **spherical**.



Key Vocabulary and Definitions

Spherical	Shaped like a sphere.
Solar system	The Solar System is made up of the Sun and all the smaller objects that move around it.
planets	A celestial body orbiting round a star.
star	Huge glowing balls of gases.
axis	An imaginary line about which an object rotates.
tilted	In a sloping position.
orbits	A repeating path that one object in space takes around another.
rotates	To turn an object around a centre point.

What I should already know

- I can observe changes across the four seasons.
- I can observe and describe weather associated with the seasons and how day length varies.

Solar system



Rhyme to remember the order of the planets from the sun:

My Very Excellent Mother Just Served Us Noodles

What I will learn next

- Gravity force, weight = mass x gravitational field strength (g), on Earth $g=10$ N/kg, different on other **planets** and stars; gravity forces between Earth and Moon, and between Earth and Sun (qualitative only)
- Our Sun as a **star**, other **stars** in our galaxy, other galaxies
- The seasons and the Earth's tilt, day length at different times of year, in different hemispheres
- The light year as a unit of astronomical distance.