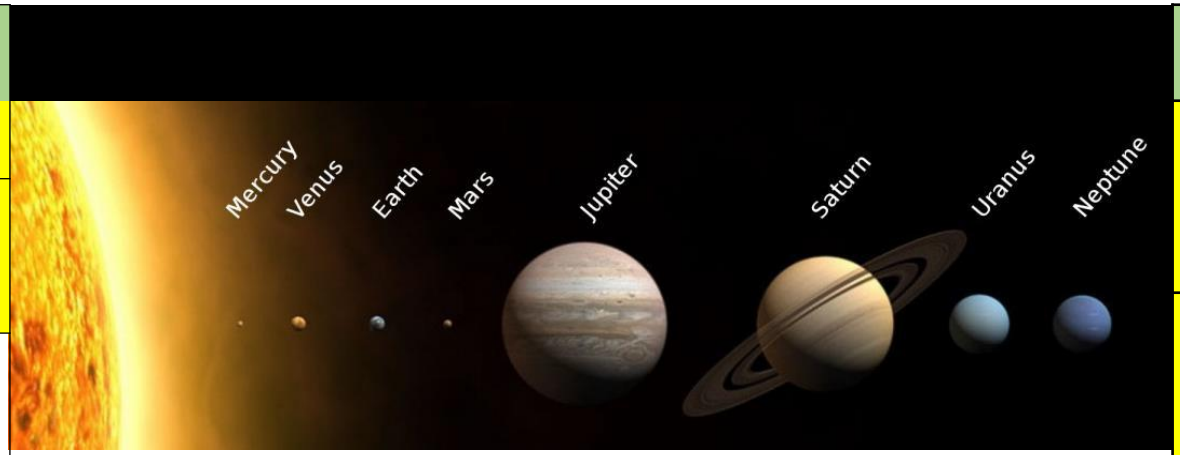
Year 5: What are the objects in our solar system and how do they move?

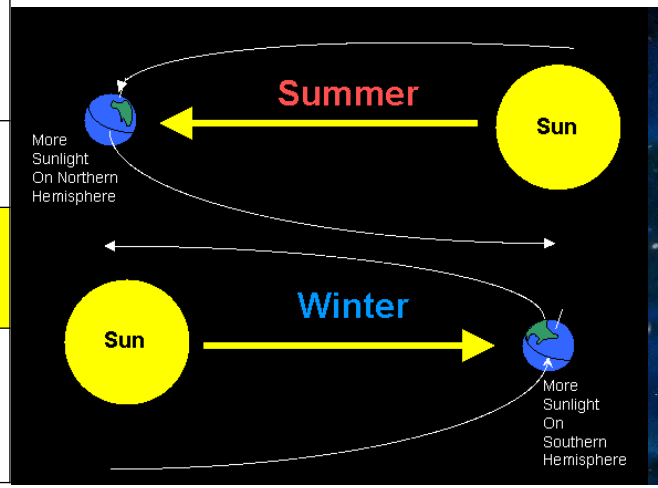
Vocabulary	
orbit	An orbit is a repeating path that one celestial body takes around another.
solar system	The solar system is made of the eight planets that orbit our sun; it is also made of asteroids, moons, comets and lots more.
planet	There are 8 planets in our solar system, they are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.
rotation	Rotation is when a shape is turned around a fixed point.
spherical	Something spherical is like a sphere in being round, or more or less round, in three dimensions.
eclipse	An eclipse occurs when an astronomical object is temporarily obscured. A lunar eclipse is when the Earth moves between the Sun and the Moon, therefore blocking the Sun's rays from striking the Moon.
lunar	Is anything related to the moon.
gravity	Earth's **gravity** is what keeps you on the ground and what causes objects to fall.
axis	An axis is an imaginary line an object turns around. This imaginary line runs directly through the object's centre, from the north to the south poles.

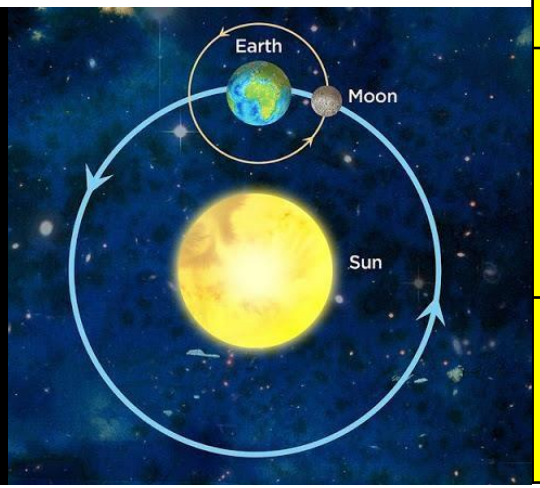


The Planets: Mercury – the smallest planet Venus – the largest in the sky from earth Earth – the only planet with water on its surface Mars – Known as the 'Red Planet' Jupiter – the largest planet, a gas giant Saturn – famous for its rings, a gas giant Uranus – a gas giant Neptune – blue in colour due to high methane levels
Mnemonic to help you remember the order of the planets below:

My Very Easy Method Just Speeds Up Names

Bottom left: We will learn that the seasons are caused by the tilt of the Earth's axis
Bottom right: The earth orbits the sun and the moon orbits the earth





Sticky Knowledge

- The Sun, Earth and Moon are approximately spherical.
- The Earth orbits the Sun. The Moon orbits Earth.
- The earth orbits the sun once a year
- The earth rotates on its axis every 24 hours
- There are 8 planets in the solar system and they each have different properties
- The sun is a star of average size