

# Pye Bank CE Primary DSAT Knowledge Organiser

**YEAR 2**

**PHYSICS : WHAT IS IN OUR SOLAR SYSTEM?**

**SCIENCE**

## KEY VOCABULARY



**Sun:** the star/ball of gas which each planet orbits around.



**Moon:** the natural satellite of the earth.



**Earth:** the planet on which we live.



**Planet:** a large spherical object in the Solar System that orbits the Sun.



**Solar System:** a group of planets and other bodies, such as asteroids that orbits a star, such as the Sun.



**Galaxy:** a massive group of stars, gas and space dust that is held together by gravity.

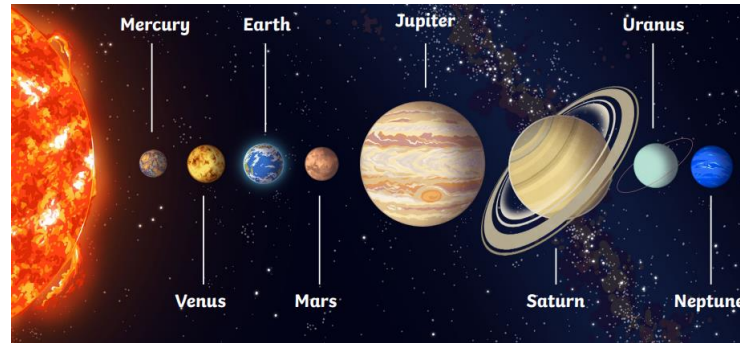


**Star:** a massive collection of gas that is very hot held together by its own gravity.



**Universe:** everything that exists. The Universe includes the entire contents of space, including planets, moons, stars, comets, asteroids and space dust.

## KEY CONCEPT: The order of the planets



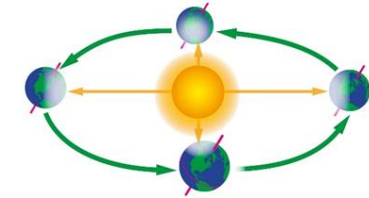
The order of the planets in the solar system, starting nearest the sun and working outward is the following: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and then the possible Planet Nine.

## STICKY KNOWLEDGE

There are 8 planets in our solar system.  
The names of the planets away from the Sun are:  
1/ Mercury  
2/ Venus  
3/ Earth  
4/ Mars  
5/ Jupiter  
6/ Saturn  
7/ Uranus  
8/ Neptune



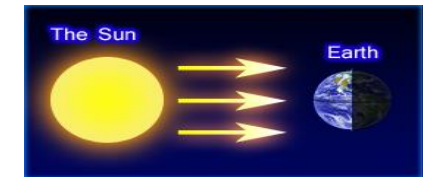
## KEY CONCEPT: The Earth orbits the sun.



The Earth rotates on its axis. Every time it turns the whole way around that is one day (24 hours)

The Earth orbits the sun. Every time it goes the whole way around that is one year. (365 days)

## KEY CONCEPT: The sun provides the Earth with heat and light.



The sun provides the Earth with heat and light. It is Day time for the part of the Earth that is facing the sun. It is night time for the part of the Earth that is facing away from the Sun.