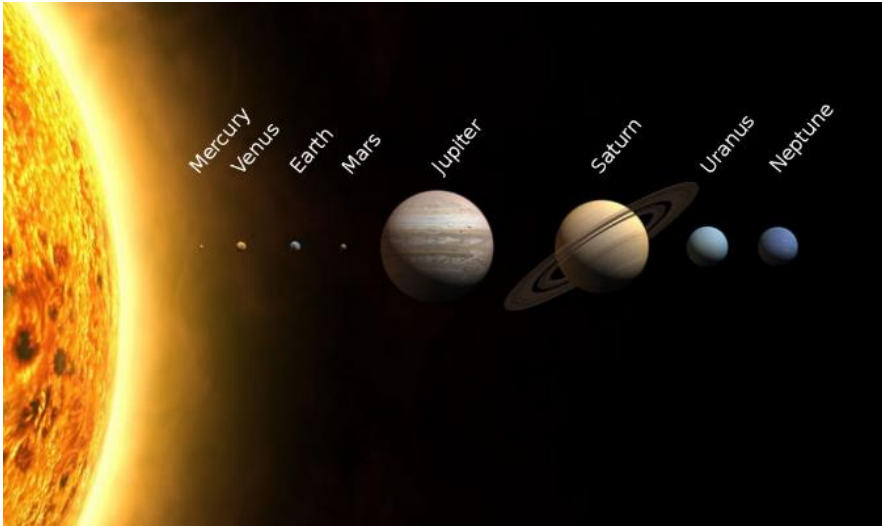


# Science - Earth and Space

Space is amazing. The sheer vastness of it, along with the trillions upon trillions of objects in the many billion galaxies of the universe is almost incomprehensible to the human brain.

## Key Vocabulary



Solar system	The whole area in space where our planets orbit around the sun
Orbit	To move in a circular motion around a central point. i.e. the sun being the central point of our solar system
Spherical body	A planet is an object in orbit around the Sun. It is large enough to have its own self-gravity which can pull itself into a round (or near-spherical) shape
Satellite	An object whether natural or man-made that orbits a central point
Earth's Rotational axis	The imaginary line that runs from the north pole to the south pole in which the earth spins around at an angle of 23.5 degrees.

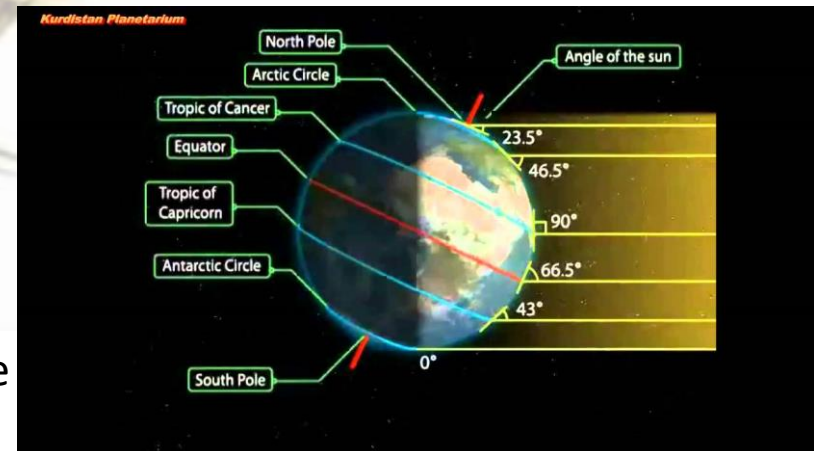
How many planets are there in our solar system?

The closest star to our earth is the sun.

There are stars bigger than the sun, but they are so far away they look tiny.

How long does it take earth to orbit once around our sun?

Did you know? There is no atmosphere in space, which means that sound has no medium or way to travel to be heard. Astronauts use radios to stay in communication while in space, as radio waves can still be sent and received.



# Science - Earth and Space



Our moon goes through different phases. This is why it looks a different shape each night when we look up at it.

Who was the first person to stand on the moon?



**What is the name given to the American Space Programme?**

When was the International Space Station (ISS) launched?



Did you know? Neutron stars are the densest and tiniest stars in the known universe. They can rotate at up to 60 times per second!

Did you know? Different star constellations have names.

Can you find out the names of any constellations?

Halley's comet – It was discovered in 1705 by Edmond Halley. The famous comet was last seen in 1986 and is only seen once every 75 to 76 years.

