

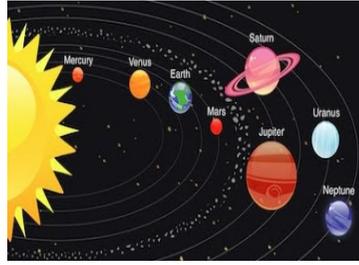
Space Year 5

Are we ever really alone?



Neil Armstrong

Planets



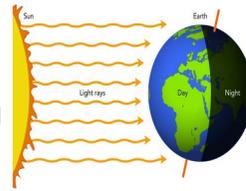
The Sun is a hot ball of gas which is classified as a star.

The Sun is placed at the centre of our solar system and makes life possible on Earth.

Planets are celestial objects that orbit a star like our solar system's Sun.

Our solar system is currently believed to include eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. In 2006 Pluto was reclassified as a 'dwarf planet'.

The Earth



The Earth, Sun and Moon are spherical (approximately).

The Earth rotates on its axis, which stands on a 23.5° angle.

The sun's rays hit the side of the Earth which faces the sun. This causes day and night. It takes the Earth 24 hours to make one complete spin on it's axis.

The Earth orbits the Sun. One orbit takes 365 days (a year).

Humans in space

1	Laika	The first animal in space was a dog aboard Sputnik 2 in 1957.
2	Yuri Gagarin	First human in space 1961, aboard the
3	Neil Armstrong	First person on the moon in 1969 aboard
4	International Space Station (ISS)	Collaboration launched in 1998.

The Moon

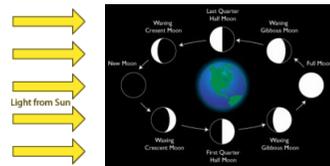
The Moon is a celestial body which orbits the Earth.

One orbit takes approximately a month (almost 28 days).

We only see the part of the Moon that is lit by the sun which is why it appears to be different shapes at different times of the month.

he moon is described as waxing as it gets smaller from full moon to new moon. As the moon gets smaller from full moon to new moon it is described as waning.

There is no life on the Moon because it has no atmosphere (no air or weather).



Tim Peake

Eighth British person to go into space and the first official British astronaut to walk in space .



In 2016, he spent 6 months in space on the International Space Station (ISS).

Word	Definition
rotate	to turn around on one point, also known as an axis .
celestial body	any naturally occurring object in space.
planets	a celestial body which orbits a star.
solar system	planets and their moons which orbit the Sun.
orbit	a repeating path which one object takes around another.
moon	a natural object which orbits a planet and reflects light.
star	a large glowing ball of gas.
space	an unlimited area where everything can be found. Example: planets and stars.
universe	everything we can touch, sense and feel. It includes all planets, stars and moons.
waning	description of the moon as it gets smaller from full moon to new moon.
waxing	description of the moon as it grows from new moon to full moon.
shadow	a dark area or shape produced by a an opaque object .

