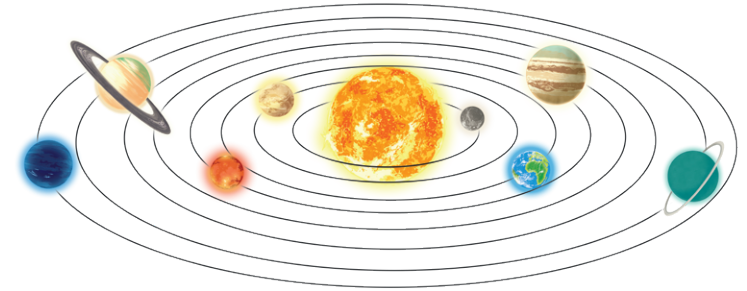


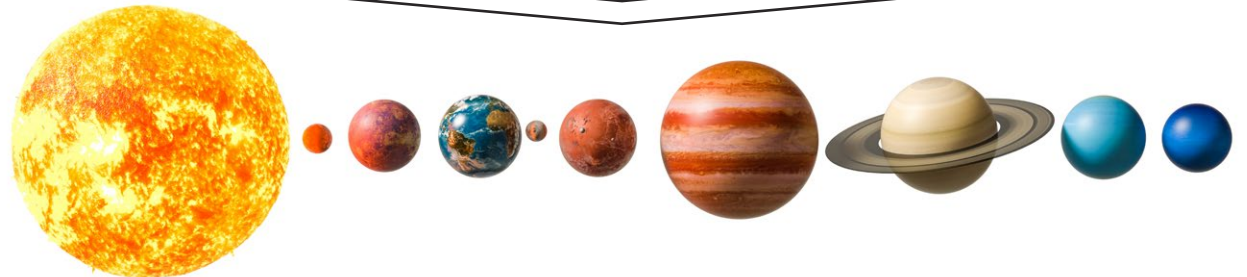
Key Vocabulary

astronomer	Someone who studies or is an expert in astronomy (space science).
axis	An imaginary line that an object rotates around.
celestial body/object	Naturally occurring matter outside of the Earth's atmosphere.
day	The time it takes for a planet to rotate around its axis once.
dwarf planet	A large celestial body located in the Asteroid or Kuiper belts.
galaxy	Billions of stars connected in some way by gravity .
gravity	A force that draws things towards the centre of an object. The larger the mass, the stronger the gravitational pull.
exoplanet	A large object (planet) that orbits a different star or star system to Earth.
moon	A natural satellite which orbits Earth or other planets . Earth has one moon .
orbit	A repeating curved path around another object.

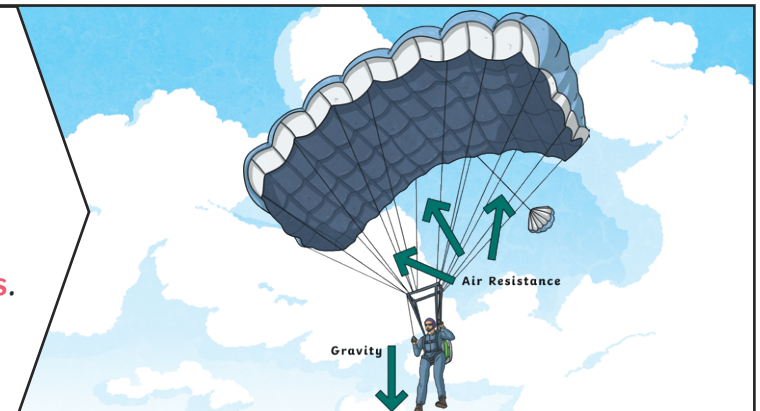
The **Sun** has an extremely strong gravitational pull. The **planets** **revolve** around the **Sun** on paths of **orbit** as a result.



The **planets** are often listed in order from the **Sun**. This order is Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.



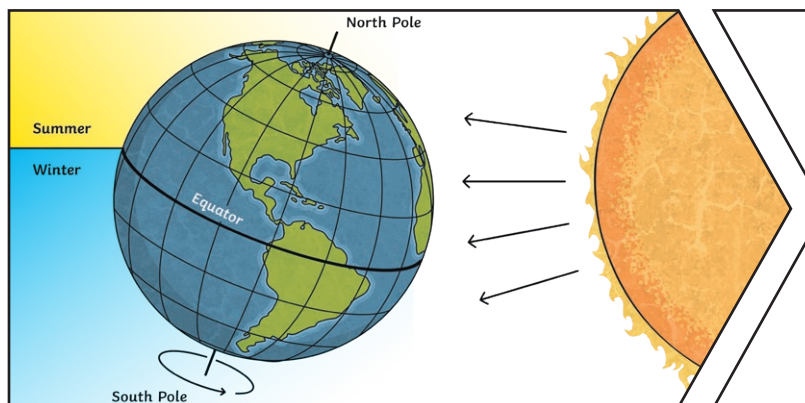
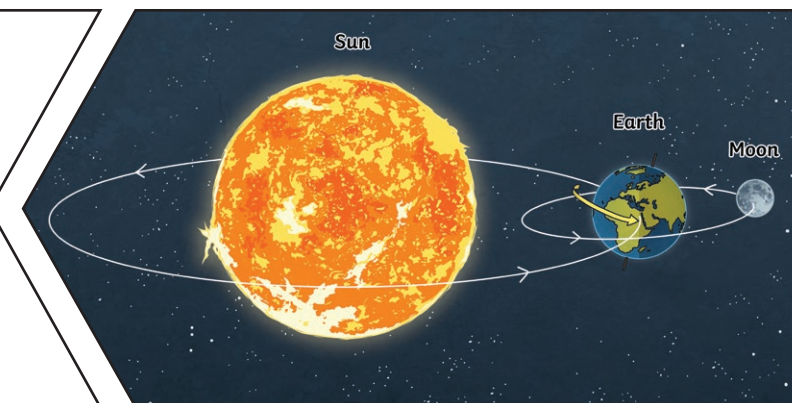
Forces impact the movement and behaviour of objects. **Gravity** plays a very important part in the movement of **planets**.



Key Vocabulary

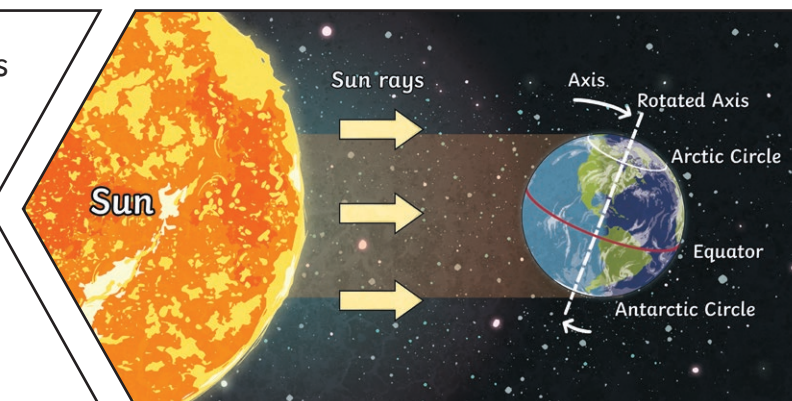
planet	A large object, round or nearly round, that orbits the Sun .
revolution	The movement of a planet on its path of orbit . It takes the Earth just over 365 days to make one full revolution around the Sun .
rotation	To complete one cycle of spinning on an axis . Earth takes almost 24 hours to rotate on its axis .
satellite	Any object or body in space that orbits something else, e.g. the Moon is a satellite of Earth.
Solar System	The Solar System is a group of planets , dwarf planets , asteroids and other celestial objects that orbit around the Sun .
star	A giant ball of gases held together by its own gravity .
Sun	The star at the centre of our Solar System .
universe	Everything that exists including galaxies, stars , planets and us.
year	The time it takes for a planet to complete one revolution around the Sun .

The **Moon** moves around Earth while the Earth moves around the **Sun**.

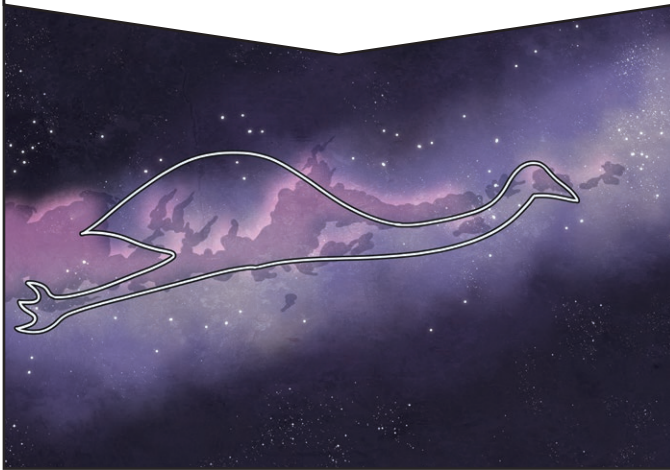


The Earth tilts at a 23.4 degree angle. As it **revolves** around the **Sun**, different hemispheres experience the seasons.

The Earth takes about 24 hours to **rotate** on its **axis**. If a place is positioned towards the **Sun** it experiences daylight (**day**). If it is positioned away from the **Sun** it experiences darkness (**night**).



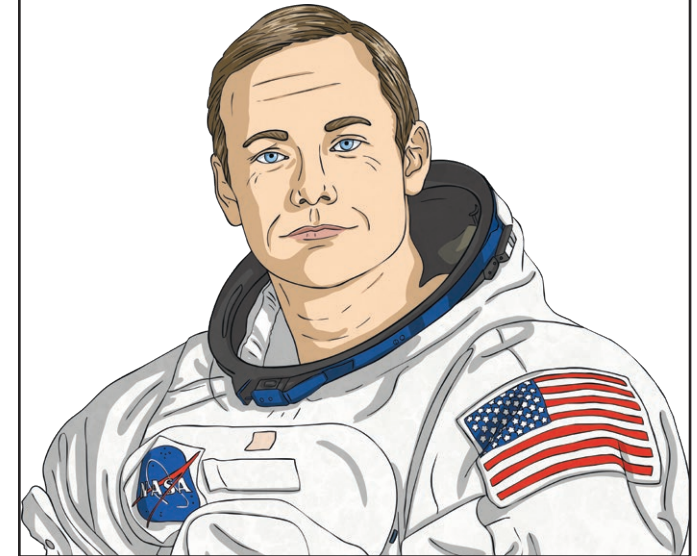
First Nations Australians have used their knowledge about the **stars**, **Moon**, **Sun** and **gravity** for many thousands of **years** to make decisions, share their culture and teach others about Country or Place.



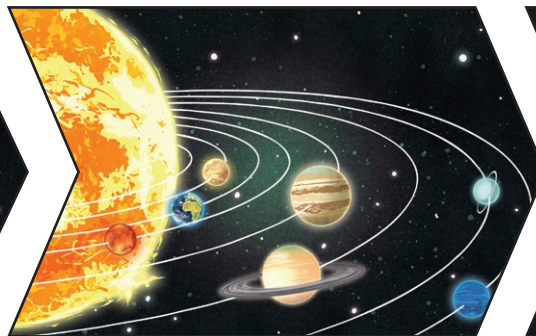
The first person in space was Yuri Gagarin.



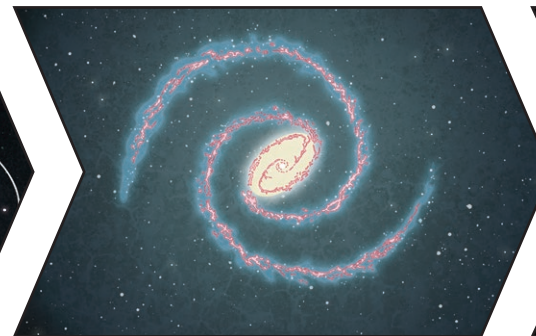
The first person to step foot on the **Moon** was Neil Armstrong.



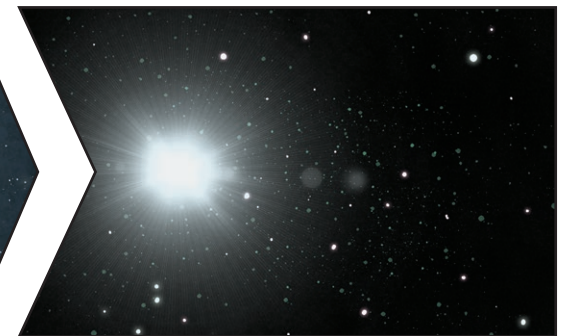
Earth



Solar System



Milky Way **Galaxy**



Universe