



Key Vocabulary

Satellite – an object that orbits the Earth

Gravity – force that pulls objects towards the centre of all things. The greater the mass, the greater the gravitational pull

Orbit – the circular travel around a planetary object

Solar Eclipse - a solar eclipse occurs when the Moon passes between Earth and the Sun, thereby obscuring the view of the Sun.

Lunar Eclipse – a lunar eclipse is an astronomical event that occurs when the Moon moves into the Earth's shadow, causing the moon to be darkened.

Axis – a real or imaginary straight line going through the centre of a object that is spinning

Solar System – collection of planets that orbit the sun, its star

Galaxy – vast cosmic islands of stars, gas, dust, and dark matter held together by gravity

Moon phases – The portion of the moon that we can see from Earth on any given night is called the moon's phase

Shadow – the area that cannot be lit by a light source due to an object obscuring it

Light source – something that emits light

By the end of this topic, you will know:

- How the Earth and moon travel in space, including in relation to the sun
- Know and demonstrate how night and day are created
- Know what gravity is and its impact on our lives
- Know and demonstrate how we see objects
- Know why shadows have the same shape as the object that casts them



Space

