## Out of this World - Science

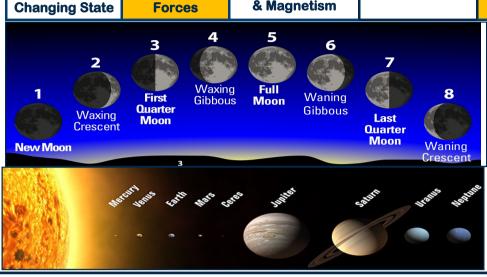
### Vocabulary

Word	Definition
orbit	The regular repeated oval course of a celestial object around a star or planet.
solar system	The collection of eight planets and their moons in orbit around the sun.
spherical	Shaped as a sphere (ball-shaped) such as planets and moons.
gravity	The force that attracts objects to pull to each other and stops us floating away from the earth.
celestial	Positioned in or relating to the sky or outer space.
axis	An imaginary line around which a planet rotates.
moon	A natural satellite of any planet.

#### **Previous Knowledge**

- In YR, you learned the story of Neil Armstrong and the moon landing
- In YR, you learned the names of the planets of the solar system

#### Science Key Concepts Biology -**Biology - Humans** Biology -Chemistry - The 3 **Plants Animals States of Matter Environment Physics - Electricity Physics - Waves** Physics -**Physics - Weather** & Magnetism **Forces** & Space



- One spin takes 24 hours and this is the reason for night and day.
  - The Earth also orbits the Sun. One orbit takes 365 days (a year).

**Key Facts** 

The Earth, Sun and Moon are spherical.

Working

**Scientifically** 

Chemistry -

Working

**Scientifically** 

Chemistry -

**Changing State** 

### **Key Facts**

- Our solar system is currently believed to include eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune, and a 'dwarf planet', Pluto. Each one orbits the sun.
- The Moon rotates on its axis in around the same length of time it takes to orbit the Earth.
- The side that we can see from Earth is called the near side while the other side is called the far side.
- The Sun is a star at the centre of our solar system.
- The Earth spins on its axis.

Spellings: opportunity, programme, existence, curiosity, system, develop, especially, equipped, equip, equipment

Biology -

**Plants** 

Physics -

**Forces** 

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**Animals Physics - Electricity Physics - Waves** & Magnetism

Chemistry - The 3 States of Matter

**Physics - Weather** & Space

**Environment** 

### Waxing Quarter Moon New Moon Waning



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