

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

Working Scientifically	Biology - Plants	Biology - Humans	Biology - Animals	Chemistry - The 3 States of Matter	Environment
Chemistry - Changing State	Physics - Forces	Physics - Electricity & Magnetism	Physics - Waves	Physics - Weather & Space	

1

New Moon

2

Waxing Crescent

3

First Quarter Moon

4

Waxing Gibbous

5

Full Moon

6


Waning Gibbous

7

Last Quarter Moon

8

Waning Crescent



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

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

Working Scientifically	Biology - Plants	Biology - Humans	Biology - Animals	Chemistry - The 3 States of Matter	Environment
Chemistry - Changing State	Physics - Forces	Physics - Electricity & Magnetism	Physics - Waves	Physics - Weather & Space	

1

New Moon

2

Waxing Crescent

3

First Quarter Moon

4

Waxing Gibbous

5

Full Moon

6


Waning Gibbous

7

Last Quarter Moon

8

Waning Crescent



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