

**Subject: Science****Year group: 5 Term: Autumn****Title: Earth and Sun****What should I already know?**

- That in the day we can see the sun and at night we can see the moon.
- That natural light comes from the sun.

**Facts I will learn**

- Planets in the solar system include Mercury, Venus, Earth, Mars, Saturn, Jupiter, Uranus and Neptune.
- Pluto is classed as a 'dwarf' planet, and scientists still debate if it is part of the solar system.
- Planets rotate around the sun.
- The sun is a fixed body of mass.
- The moon orbits the earth, meaning it cannot always be visible.
- Planets, moons and the sun are spherically shaped.
- The earth is on an axis and rotates around the sun, meaning that when that part of the earth faces the sun it is day and when it is not facing the sun it is night.

Key questions

- What planets make up our solar system?
- Does the sun move or do the planets move?
- Why can't we see the moon all the time?
- What shape are the planets in our solar system? (FOCUS ON EARTH/MOON/SUN)
- Why is it not light all the time?

Key Skills.....

- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

Experiences that school will provide:

- Detailed pictures and video links of the solar system
- Zoom call or video link to an astronomer.

Key vocab**Definition**

Planets	Large natural objects that orbit, or travel around, stars
Orbit	The curved path of an object around a star, planet or moon
Star	Any massive self-luminous body of gas that shines.

• Report and present findings from enquiries, including conclusions, casual relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations. • Identify scientific evidence that has been used to support or refute ideas or arguments.		Rotates	Move in a circle
		Solar System	Consists of the Sun and everything that orbits, or travels around, the Sun.
		Spherical	Shaped like a sphere.
		Axis	An imaginary straight line passing through the centre of something
Web links https://www.bbc.co.uk/bitesize/topics/zkbbkqt https://www.youtube.com/watch?v=F2prtmPEjOc	Experiences that could be provided at home... • Learn the Planet song (in web links) • At night look at the stars.		