

# In science we are learning about...

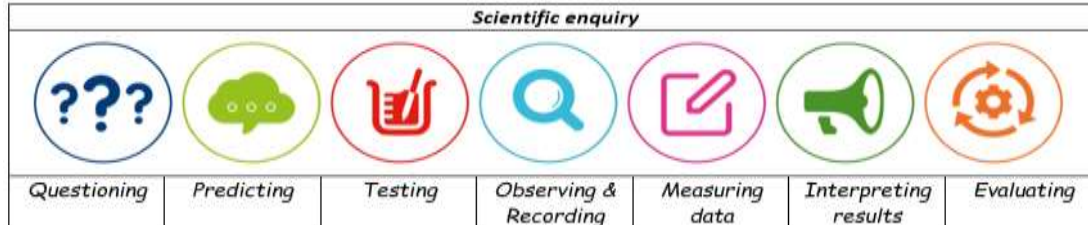
## Earth and space

### Key vocabulary

- **solar system**- the collection of eight planets and their moons in orbit round the sun
- **moon**-the large round object that circles the Earth and that shines at night by reflecting light from the sun
- **stars**- a natural luminous body visible in the sky especially at night
- **spherical bodies**- planets in the shape of a sphere
- **rotation**- the action of rotating about an axis or centre
- **orbit**- a regular, repeating path that one object in space takes around another one
- **satellite**- an artificial body placed in orbit round the earth or moon or another planet in order to collect information or for communication
- **planet**- a large, round object in space that moves around a star (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune)



### Scientific enquiry



### Sticky knowledge

- To know that the Sun, Earth and Moon are near-spherical in shape. The Moon orbits the Earth.
- To know that in one day Earth makes one rotation on its axis. Earth also orbits around the Sun. And it takes one year to make a complete orbit.
- To know that day and night are caused by the rotation of the Earth and which part of the Earth is facing the Sun. The sun does not move across the sky.
- To know that the seasons are created through the combination of the Earth's revolution and the tilt of the axis.



### Links to previous learning

- To observe and describe weather associated with the seasons and how day length varies.
- To find patterns in the way that the size of shadows change.
- To know it is not safe to look directly at the sun, even when wearing dark glasses.



### Aspirations

- Astronaut
- Science teacher
- Astronomer



### Our characteristics

- Questioning
- Problem solving and reasoning
- Open minded

