| Scientist |  |
| :---: | :---: |
|  | $\frac{\text { Mai Jemison }}{(\text { Astronaut })}$ |
| Sr Helen Mason |  |
| Sollar scientist) |  |

I'm presenting findings and conclusions like an astrophysicist.


I'm using scientific diagrams and labels like an astronautical engineer.

## Careers

Astronaut (travels to space to carry out research) Astronautical engineer (develops spacecraft) Astrophysicist (studies the physics of space and objects in space)

## Enquiries

How does the length of daylight hours change in each season?How does the moon change over the course of a month? Is there a pattern between the size of a planet and the time it takes to travel around the Sun?

How could you organise all the objects in the solar system into groups?

[^0]

Pupils will learn to describe the movement of the Earth, and other planets, relative to the Sun in the solar system. They will use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.


## Key Learning

- Describe the movement of the Moon relative to the Earth
- Describe the Sun, Earth and Moon as approximately spherical bodies
- Use a model of the Sun and Earth that enables them to explain day and night.
- The Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a 'dwarf planet' in 2006).
- Understand that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).

What you should already know
The difference between light sources and reflective surfaces and objects.

That shadows are an area of darkness produced by an object coming between rays of light and a surface.

That shadows change depending on the position of the light source.

## What comes next?

Year 6-Exploring the way that light behaves, such as travelling in straight lines. Learn about light sources, reflection and shadows in more detail through investigations.

|  | Key vocabulary |  |
| :--- | :--- | :---: |
| Sun | Venus |  |
| Moon | Earth |  |
| Planets | Mars |  |
| Star | Jupiter |  |
| Solar system | Saturn |  |
| Orbit | Uranus |  |
| Mercury | Neptune |  |
| Literacy Links |  |  |



George's Secret Key to the Universe (Lucy \& Stephen Hawking)

## Year 5: Earth \& Space



Year 5: Earth \& Space



[^0]:    [ How have our ideas about the solar system changed over time?

