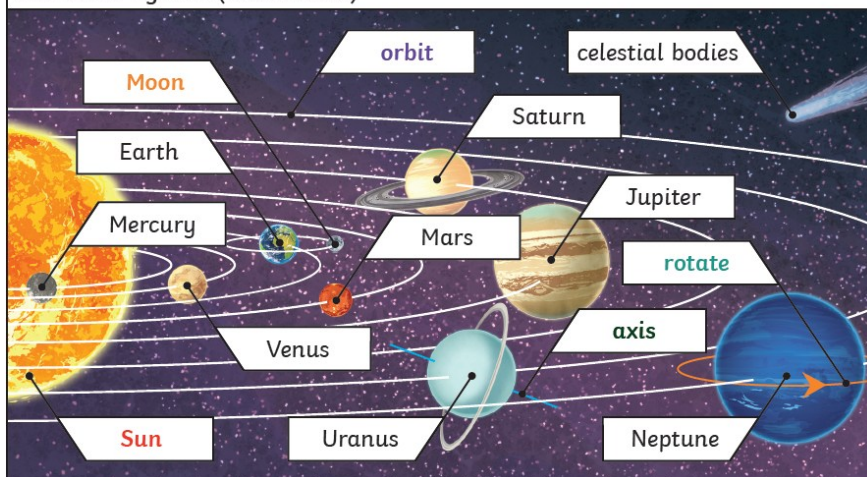


## Science - Earth and Space Year 5 - Spring

### Key Vocabulary

Sun	A huge star that Earth and other planets in our solar system orbit around.
Star	A giant ball of gas held together by its own gravity.
Moon	A natural satellite which orbits Earth or other planets.
Planet	A large object that orbits a star.
Sphere	A round 3D shape, in the shape of a ball.
Satellite	Any object or body in space that orbits something else. The moon is a satellite of Earth.
Orbit	To move in a regular, repeating curved path around another object.
Rotate	To spin. E.g. Earth rotates on its own axis.
Axis	An imaginary line that a body rotates around e.g. Earth's axis runs from the North to the South pole.

Our Solar System (not to scale)



Tim Peake– Astronaut



Helen Sharman – Astronaut



Maggie Aderin-Pocock – Space Scientist

### Possible careers: Astronaut, Astrophysicist

What key knowledge will I have by the end of this unit?

- Identify the terms: sun, star, solar system and galaxy and understand how our own solar system fits into the wider universe.
- Name the planets which make up our solar system.
- Understand the relationship between the Earth and the sun in relation to night and day and in relation to seasons.
- Describe the movement of the Moon relative to the Earth.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

What key skills will I have by the end of this unit?

- Formulate more detailed hypotheses using scientific reasoning based on previous learning
- Decides on the most appropriate formats to present sets of data e.g. a line graph for continuous variable.
- Present findings in written and oral forms
- Uses simple models to help describe scientific ideas