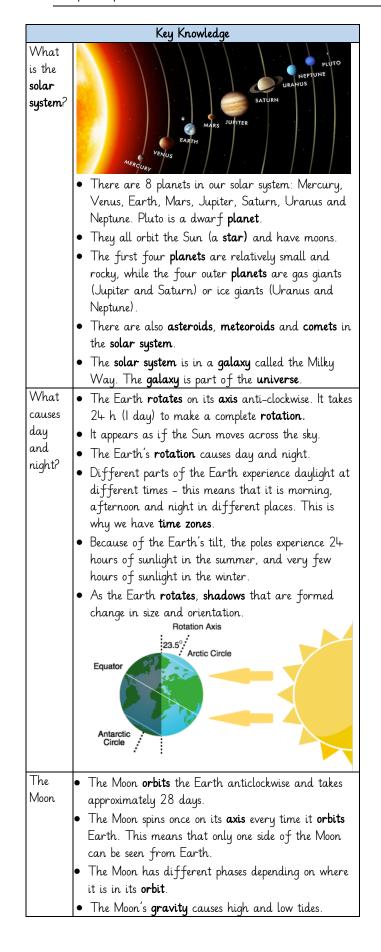
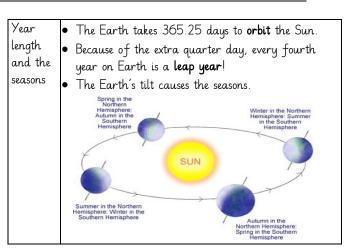




Topic: Space

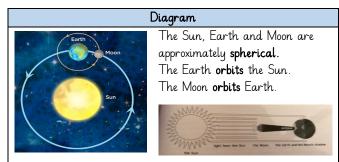
Year: 5





Investigation

Compare the sizes of the Sun, Earth and Moon and planets. How do shadows change throughout the day?



When the Moon passes between the Sun and Earth, the Moon blocks the Sun and casts a **shadow** on the Earth's surface. This is called a **solar eclipse**.

Key Vocabulary	
Axis	An imaginary line through the middle of
	something.
Galaxy	An extremely large group of stars and planets.
	Our galaxy is called the Milky Way.
Gravity	Force that makes objects fall to the ground.
Orbit	The curved path in space that is followed by an
	object going round a planet, moon or star.
Planet	A massive, spherical object that orbits a star.
Shadow	A dark shape created when something blocks
	light from reaching a surface.
Solar system	The Sun and all the planets that go round it
Sphere	An object that is round in shape, like a ball.
Rotate / Spin	Turn quickly around a central point.
Star	A large ball of burning gas in space.
Time zone	The Earth is divided into 24 time zones. Each
	represents I h before or after the zone next to
	it. Times are referenced to Greenwich Mean
	Time (GMT).
Universe	The whole of space and all the stars, planets
	and other forms of matter and energy in it.