

Clitheroe Brookside Primary School

Topic: Earth and Space

Starlings

Aims:

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

What should I already know?

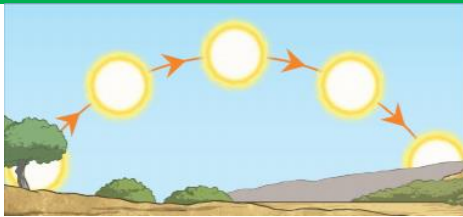
Changes across the four seasons and be able to describe weather associated with the seasons and how day length varies.

What will I know by the end of this unit?

Vocabulary

Why we have day time and night time.

Daytime occurs when the side of Earth is facing towards the sun. Night occurs when the side of Earth is facing away from the sun.



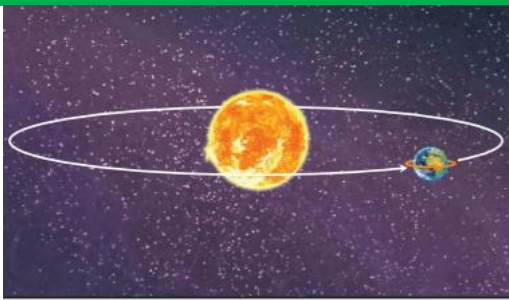
That the sun DOES NOT move. It appears that the sun moves across the sky during the day, but this is because of the

Earth's movements.

The moon orbits the Earth in an oval shaped path, while spinning on its axis. It takes 28 days for the moon to orbit the Earth and during its orbit, different parts will be lit up by the sun (which is why the moon appears to be different shapes).



Earth rotates on its axis. It does a full rotation once every 24 hours. As it rotates, it is also orbiting the sun – a full orbit



takes a little more than 365 days.

Scientific Skills

- Asking scientific questions
- Planning an enquiry
- Observing Closely
- Taking measurements
- Gathering and recording results
- Presenting results
- Interpreting results

sun	A huge star that Earth and the other planets in our solar system orbit around
astronomer	Someone who studies or is an expert in astronomy (space science)
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 round or nearly round, that orbits a star
sphere	A round 3D shape in the shape of a ball
Spherical bodies	Astronomical objects shaped like spheres
satellite	Any object or body in space that orbits something else
orbit	To move in a regular, repeating curved path around another object
rotate	To spin
axis	An imaginary line that a body rotates around

ENQUIRY



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