Space – The Final Frontier

Autumn Term Year 5 – Half Term 2

Science

Describing the movement of the Earth, Sun and Moon.

Space exploration

Phases of the Moon

ENGLISH

Fiction - Descriptive narratives for alien landings – inspired by Phoenix by S F Said and The War of the Worlds by H.G. Wells.

Non-fiction - Space application forms inspired by space study and Tim

Numeracy

Fractions
Perimeter and Area

Times Tables Rock Stars – please encourage your child to practise at home.

DT

Making space mobiles with cams

Music

Charanga – Rock songs

Singing – Harvest Festival

PE

Dance and Rugby

Computing

Purple Mash – Coding – concept maps – online safety top up

GEOGRAPHY

Continents, countries and geographical positions using longitude and latitude

French

Greetings and food

RE

Christianity – study of the Christmas Story – versions from the Bible

DT

Lunar Rover vehicles using cams.

PSHE

New Beginnings

Citizenship + Anti Bullying Week

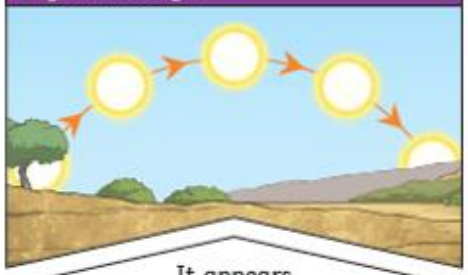
Science: Space and the Final Frontier Knowledge Organiser

Key Vocabulary	
Sun	A huge star that Earth and the 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, round or nearly round, that orbits a star.
sphere	A round 3D shape in the shape of a ball.
spherical bodies	Astronomical objects shapes like spheres.
satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.

Key Vocabulary	
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 (imaginary line) runs from the North Pole to the South Pole.

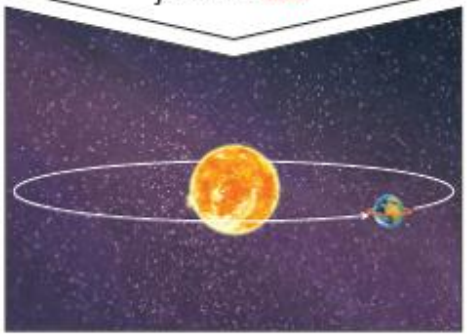
Pluto used to be considered a planet but was reclassified as a dwarf planet in 2006.

Key Knowledge



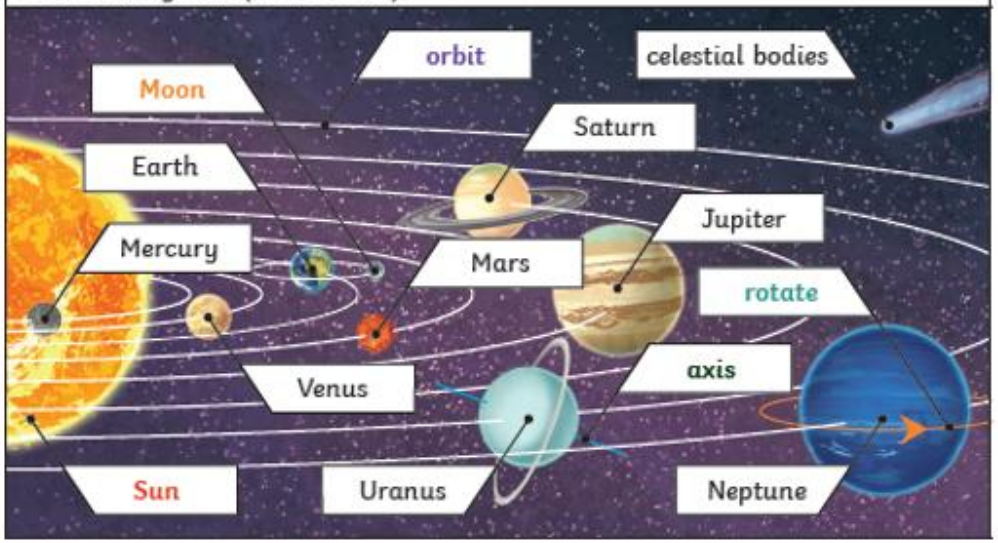
It appears to us that the Sun moves across the sky during the day but the Sun does not move at all. It seems to us that the Sun moves because of the movements of Earth.

Earth rotates (spins) on its axis. It does a full rotation once in every 24 hours. At the same time that Earth is rotating, it is also orbiting (revolving) around the Sun. It takes a little more than 365 days to orbit the Sun. 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.





Our Solar System (not to scale)





The Moon orbits Earth in an oval-shaped path while spinning on its axis. At various times in a month, the Moon appears to be different shapes. This is because as the Moon rotates round Earth, the Sun lights up different parts of it.