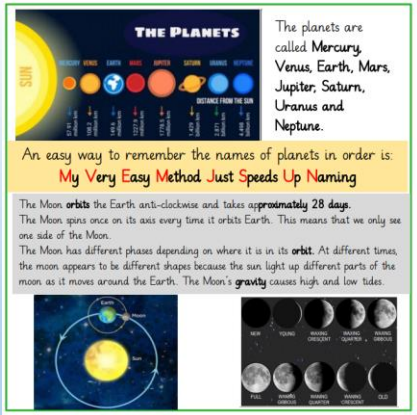
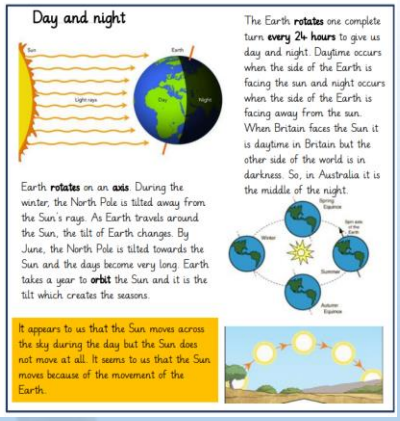
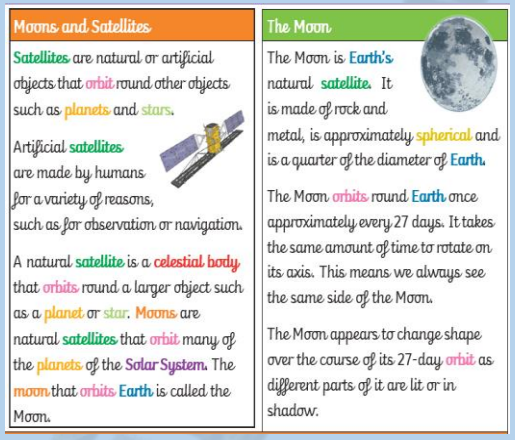
The ASPIRE Curriculum-Key Learning

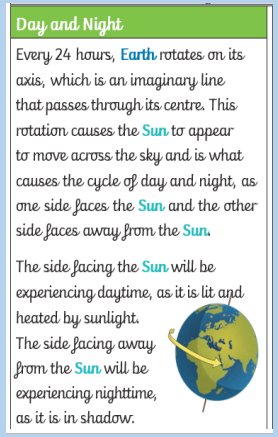
Title: Earth and Space ***Subject:*** Science ***Year:*** 5

Key Knowledge









Key Skills

- I can explain why we know the Sun, Earth and Moon are spherical.
- I can name and describe features of the planets in our solar system.
- I can order the planets in our solar system.
- I can explain how planets move in our solar system.
- I can explain day and night and the apparent movement of the sun across the sky.
- I can explain the movement of the Moon.

Key Vocabulary

Planet: An object that orbits a star and does not emit its own light.

Star: A giant ball of gas held together by its own gravity and makes heat and light energy.

Gravity: The force that attracts an object towards a larger object.

Orbit: A curved path of a planet taken by one body circling around another body. The earth makes an orbit around the sun.

Solar system: The solar system consists of the Sun and everything that orbits, or travels around, the Sun.

Astronomy: Astronomy is the study of outer space and all of the objects and bodies outside of the Earth's atmosphere, like stars, planets and comets.

Time zone: Time zones give specific areas on the Earth a time of day that is earlier or later than the neighbouring time zones. The time zone is dependent on the Earth's rotation.

Sphere: A round 3D shape in the shape of a ball.

Sun: A huge star that the Earth and other planets in our solar system orbit around.

Moon: A natural satellite which orbits Earth or other planets.

Geocentric model: A belief people used to have that other planets and the Sun orbited around the Earth.

Heliocentric model: The structure of the solar system where the planet orbits around the sun.

Satellite: A satellite is a natural or human-made object or body that orbits a larger object such as a planet or a star.