Class/Year Groups: Stiperstones Topic: Science— Earth and Space Term: Spring Key Knowledge Earth rotates (spins) on its axis. It Vocabulary: What you already know? does a full rotation once in every 24 hours. At the same time that Earth is rotating, it is also orbiting Pupils will not have studied space before but will A huge star that Earth and the other Sun (revolving) around the Sun. It takes a little more than 365 days have studied shadows and their formation in Year 3. to orbit the Sun. Daytime occurs planets in our solar system orbit when the side of Earth is facing towards the Sun. Night occurs when around. the side of Earth is facing away It appears from the Sun A giant ball of gas held together by its to us that the Sun moves across Star Extra vocabulary the sky during the day but the Sun does not move at all. It seems to us own gravity. that the <mark>Sun</mark> moves because of the movements of Earth Orbit To move in a regular, re-A natural satellite which orbits Earth Moon peating curved path around or other planets another object. A large object, round or nearly round, Planet Our Solar System (not to scale) To spin, E.g. Earth rotates on Rotate that orbits a star. orbit celestial bodies its own axis. Moo Sphere A round 3D shape in the shape of a Saturn Earth ball. An imaginary line that a body Axis Jupiter Mercuru Mars rotate rotates around. E.g. Earth's Spherical Bodies Astronomical object shapes like axis runs from the North Pole axis spheres. Venus to the South Pole. Satelite Any object or body in space that or-Uranus Neptune Someone who studies or is an bits something else, for example: the Astronomer The Moon orbits Earth in an ovalshaped path while spinning on its moon is a satellite of Earth. expert in astronomy (space axis. At various times in a month, the n appears to be different shapes. This is because as the Moon rotates science) round Earth, the Sun lights up different parts of it.





National Curriculum Objectives:

- 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.

