

# Sun, Earth and Moon



The Sun is a star and is the centre of our Solar System.

The Earth is one of nine planets that orbits (travels around) the Sun. It takes the Earth 365 days to orbit the Sun once.

The Earth rotates on its axis. It rotates once every 24 hours. The part facing the Sun is in daylight—the part facing away is in darkness (night).

The moon orbits the Earth once every 28 days. During the day the Sun appears to move across the sky from sunrise to sunset. It seems to move across the sky but it is the Earth's rotation on its axis that causes this effect. **The Sun itself does not move.**

**Shadows are formed when an object blocks the light.** When the sun is at the highest point in the sky (noon) you get the shortest shadows. At sunrise and sunset, when the sun is very low in the sky you get very long shadows.

