

Science Progression Framework: Earth and Space Year 5

Year 5
Describe the Sun, Earth and Moon as approximately spherical bodies
Chn to understand that the Sun, Earth and Moon are spherical
Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky
Chn to understand that the Sun is at the centre of our Solar System and does not move, whilst the Earth rotates in an anti-clockwise direction on its axis
Chn to understand and describe that when the Earth rotates away from the Sun, it is becoming night and when the Earth rotates towards the Sun, it is becoming day
Describe the movement of the Earth, and other planets, relative to the Sun in the solar system
Chn to understand how planets in our Solar System rotate on their axes and are constantly moving
Chn to describe how the planets in our Solar System move and orbit the sun
Describe the movement of the Moon relative to the Earth
N.B Before the chn start learning about how the Moon appears to change shape, they should be secure in their understanding that the Moon is not a light source; it appears to shine because it reflects light from the Sun. This can be modelled by showing them a ball wrapped in tin foil in a dark area so they can observe that it does not shine. Now direct a lit torch to represent the Sun onto the ball and observe that it appears to shine because the light is reflecting off the foil surface.
Chn to understand that the shape, or phase of the Moon depends on where it is in its orbit around the Earth