

## **The Earth: Day and Night**

### How long does a day last, and why?

A full day lasts for 24 hours. This is the time that the Earth takes to rotate about its axis once.

### Why does the Sun appear to move across the sky during the day?

The Sun appears to move across the sky because of the Earth spinning on its axis. The Sun does not move, and it is an illusion created by our movement,

### How can we use the Sun to tell us the time during the day?

We can use the Sun to tell us the time by using a sundial. The dial plane is the flat surface made marked with the times of day. A sundial is specially designed for its latitude. Tables are used to calculate standard time from solar time, because solar time is irregular, the apparent speed of the Sun varies.