

E2 Day and Night

LEVEL(s): yr 1 - 6



LESSON FOCUS

- How the movement of planet Earth and light from the Sun create night and day.
- Working out what the terminator is and identifying what determines midday, midnight, sunrise and sunset.

SPECIFIC LEARNING OUTCOMES

At the end of this lesson the students will be able to:

- 1) Demonstrate how the movement of the Earth makes night and day.
- 2) Predict the approximate time of day on Earth at any given point, using a globe and lamp.
- 3) Demonstrate understanding of sunrise, sunset, midday, midnight and terminator.

LEARNING ACTIVITIES

- **Day/Night:** (yrs 1 - 4, approx 5 mins)
In a dark environment, the Educator will demonstrate how we get day and night, using a globe and bright lamp. This will involve a discussion with students, finding the terminator and determining day, night, sunrise and set, midday and midnight.
- **Other Planets:** (yrs 1 - 6, approx 5 mins)
An Educator lead discussion with students about what night and day might be like on other planets.

CURRICULUM LINKS

SCIENCE: Planet Earth and Beyond
• Astronomical systems

SCIENCE: Physical World
• Physical inquiry and physics concepts.

KEY COMPETENCIES

- Thinking Using language, symbols and texts Managing Self
 Relating to Others Participating and Contributing

PRIOR KNOWLEDGE AND EXPERIENCES

It is useful if students have discussed the differences they notice with day and night, and the effect it has on their own lives.