Year 5
Earth and Space

Assessment

I can show, using diagrams, the movement of the Earth and Moon.
I can explain the movement of the Earth and Moon.
I can show using diagrams the rotation of the Earth and how this causes day and night.

Line of Enquiry

1. How is our solar system structured?
2. How do the moon, sun and planets move together?
3. What is the difference between a star, a planet and a moon?
4. Are all the planets the same?
5. Why do we have night and day?
6. Why does the Moon look different on different nights?

Scientist Link

Professor Brian Cox

Working Scientifically

I can use a model to explain how the Earth moves in relation to the Sun and the Moon moves in relation to the Earth.
I can demonstrate and explain verbally how day and night occur.
I can explain evidence gathered about the position of shadows in term of the movement of the Earth and show this using a model.

Vocabulary

asteroid	**comet**
orbit	**celestial**
terrestrial	**lunar**
atmosphere	**geocentric**
heliocentric	**Planet names**

Important Facts

· The Sun is a star. It is at the centre of our solar system.
· There are 8 planets These travel around the Sun in fixed orbits.
· Earth takes $365\frac{1}{4}$ days to complete its orbit around the Sun.
· The Earth rotates (spins) on its axis every 24 hours.
· As Earth rotates half faces the Sun (day) and half is facing away from the Sun (night).
· The Moon orbits the Earth. It takes about 28 days to complete its orbit.
