



Year 5 Earth and Space Science Knowledge Organiser

Knowledge

Skills

Vocabulary



Knowledge Progression

Can I describe the Sun, Earth and Moon as spherical?

Can I describe some features of the planets?

Can I explain how the planets orbit the Sun?

Can I explain day and night and the apparent movement of the sun across the sky?

Can I investigate night and day in different parts of the Earth?

Can explain the movement of the Moon?

Curriculum Coverage

- describe the movement of the Earth and other planets relative to the sun in the solar system
- describe the movement of the moon relative to the Earth
- describe the sun, Earth and moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

Skills Progression

To ask simple questions and recognise and recognise that they can be answered in different ways.

To use secondary sources to research.

To observe carefully and closely, using simple equipment .

To be able to (with help) notice relationships.

To be able to talk about what they have found out and how they found it out.

Scientific vocabulary

Alhazen dark galaxy light orbit satellite telescope astronomer day geocentric lunar Saturn third quarter astronomical gibbous shadow clock tide astronomy E gravity M phase sky atmosphere Earth Mars planet solar axis eclipse Mercury Ptolemy solar system universe

Scientific enquiry

What is Space? Is there gravity in Space? Who was Sir Isaac Newton? How does the Earth rotate? What is day and night?

