



## EARTH AND SPACE (PHYSICS)

National Curriculum Statements in red are from other linked topics.

Progression in Scientific knowledge, concepts & skills	EYFS (Early Learning Goals)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
<p><u>Concepts</u> Changes Similarity and Difference</p>	<p>Children know about similarities and difference in relation to places, objects, materials and living things.</p> <p>Children talk about features of their own immediate environment and how environments might vary from one another.</p> <p>Children make observations of animals</p>	<p>Observe changes across the four seasons. (Y1 - Seasonal changes)</p> <p>Observe and describe weather associated with the seasons and how day length varies. (Y1 - Seasonal changes)</p>				<p>Describe the Sun, Earth and Moon as approximately spherical bodies.</p> <p>Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p> <p>Describe the movement of the Earth, and other planets, relative to the Sun in the solar</p>		<p>Gravity force, weight = mass x gravitational field strength (g), on Earth g=10 N/kg, different on other planets and stars; gravity forces between Earth and Moon, and between Earth and Sun (qualitative only).</p> <p>Our Sun as a star, other stars in our galaxy, other galaxies.</p> <p>The seasons and the Earth's tilt, day length at different</p>



	and plants and explain why some things occur and talk about changes.					system.  Describe the movement of the Moon relative to the Earth.		times of year, in different hemispheres.  The light year as a unit of astronomical distance.
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