



## Progression in knowledge

National Curriculum statements in red are from other linked topics.

### Earth and space

Early learning goal	<p>Communication and Language - Listening, Attention and Understanding</p> <ul style="list-style-type: none"> <li>● Make comments about what they have heard and ask questions to clarify their understanding.</li> </ul> <p>Personal, Social and Emotional Development - Managing Self</p> <ul style="list-style-type: none"> <li>● Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.</li> </ul> <p>Understanding the World - The Natural World</p> <ul style="list-style-type: none"> <li>● Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>● Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</li> <li>● Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter</li> </ul>
Year 1	<ul style="list-style-type: none"> <li>● Observe changes across the four seasons. (Y1 Seasonal changes)</li> <li>● Observe and describe weather associated with the seasons and how day length varies. (Y1 Seasonal changes)</li> </ul>
Year 2	
Year 3	
Year 4	
Year 5	<ul style="list-style-type: none"> <li>● Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.</li> <li>● Describe the movement of the Moon relative to the Earth.</li> <li>● Describe the Sun, Earth and Moon as approximately spherical bodies.</li> <li>● Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.</li> </ul>

Year 6	
KS3	<ul style="list-style-type: none"><li>• Gravity force, weight = mass x gravitational field strength (g), on Earth <math>g=10</math> N/kg, different on other planets and stars; gravity forces between Earth and Moon, and between Earth and Sun (qualitative only).</li><li>• Our Sun as a star, other stars in our galaxy, other galaxies.</li><li>• The seasons and the Earth's tilt, day length at different times of year, in different hemispheres.</li><li>• The light year as a unit of astronomical distance.</li></ul>