



By the end of ...	<b>SEASONAL CHANGES &amp; EARTH AND SPACE</b> <b>Progression in Key Concepts ...</b>	PoS suggested year
<b>Key Stage 1</b>	<b>Seasonal changes</b> <ul style="list-style-type: none"> <li>• Observe changes across the four seasons</li> <li>• Observe and describe weather associated with the seasons and how day length varies.</li> </ul>	<b>Year 1</b>
<b>Key Stage 2</b>	<b>Earth and space</b> <ul style="list-style-type: none"> <li>• <i>Observe how the Sun appears to move across the sky from East to West</i></li> <li>• <i>Observe how the Sun appears to move and this causes shadows to change</i></li> <li>• <i>Describe how we can see the Moon because the Sun's light reflects off it</i></li> <li>• <i>Describe how the Earth and Moon go around the Sun in one year</i></li> <li>• <i>Recognise that humans have been to the Moon.</i></li> </ul>	<b>Year 3 or 4</b>
	<b>Earth and space</b> <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>	<b>Year 5</b>
<b>Key Stage 3</b>	<b>Space physics</b> <ul style="list-style-type: none"> <li>• <i>Recognise that</i> gravity is a force:</li> <li>• weight = mass x gravitational field strength (g),</li> <li>• on Earth g=10 N/kg,</li> <li>• different on other planets and stars;</li> <li>• <i>Describe the</i> gravity forces between Earth and Moon, and between Earth and Sun (qualitative only)</li> <li>• <i>Identify the structure of the universe:</i> our Sun as a star, other stars in our galaxy, other galaxies</li> <li>• <i>Recognise the links between</i> the seasons and the Earth's tilt, day length at different times of year, in different hemispheres</li> <li>• <i>Recognise that</i> the light year is a unit of astronomical distance.</li> </ul>	<b>Year 7, 8 or 9</b>