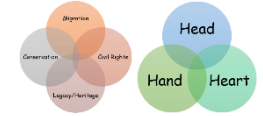
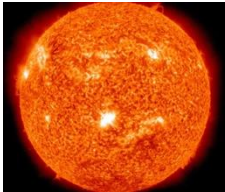




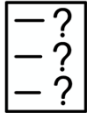









Year 5 – Autumn 1 – Science – Pupil Knowledge Organiser



What do I already know?		What am I learning now?	
<ul style="list-style-type: none"> There is a cycle of four seasons: spring, summer, autumn, and winter. Each of the seasons have their own characteristics, including weather patterns and hours of daylight. A force happens when two objects interact. Forces include push, pull, gravity and friction. 		<ol style="list-style-type: none"> What are the Earth, Sun, and Moon? What causes day and night? What are the phases of the Moon and why do these happen? What is the Solar System, and what planets are part of it? (1/2) What is the Solar System, and what planets are part of it? (2/2) How have ideas about the Solar System changed over time? 	
Key Knowledge: Earth & Space		Key Skills: Working Scientifically	Key Vocabulary
<p>The Sun, Earth and Moon are approximately (roughly) spherical objects.</p>  <p>The Sun is a star at the centre of our Solar System which provides us with light and heat.</p>  <p>The Earth is the planet we live on. It is considered special because it has the right conditions to sustain life.</p>  <p>The Earth rotates on its axis, an imaginary line between the North to the South Pole. The rotation takes about 24 hours. Light travels in straight lines from the sun. As the Earth rotates, the side facing the Sun has light reaching it (the day), while the other side is in shadow (the night).</p>  <p>The Moon takes 28 days to complete its orbit of the Earth. As it orbits around the Earth, it appears to change shape, but it is always a sphere. Each shape is called a phase. The Moon's phases are caused by its changing position relative to the Sun and Earth.</p>		<p>Ask Questions</p>  <p>Enquiry</p>  <p>Observe</p>  <p>Record/ Present</p>  <p>Conclusions</p>  <p>Evaluation</p>  <p>Communicate</p> 	<p>spherical</p> <p>star</p> <p>orbit</p> <p>Moon</p> <p>moon</p> <p>planet</p> <p>axis</p> <p>phase</p> <p>Solar System</p> <p>solar system</p> <p>A round shape.</p> <p>A ball of burning gas at the centre of a solar system.</p> <p>The circular path taken by a planet when moving around the sun, and when a moon moves around a planet.</p> <p>The natural object, made of rock, that orbits the Earth.</p> <p>A natural object that orbits a planet.</p> <p>A large object that orbits a star.</p> <p>A straight line which something rotates around.</p> <p>A particular appearance or state in a repeating sequence of changes.</p> <p>The collection including our Sun and the eight planets that orbit it.</p> <p>A general collection of planets and the star they orbit.</p>