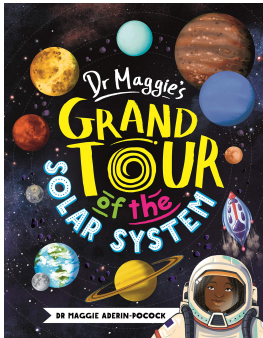
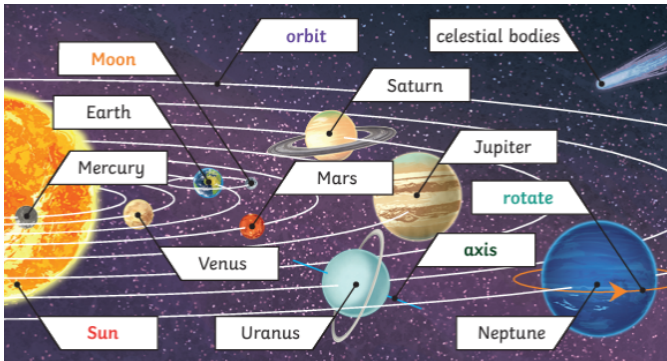
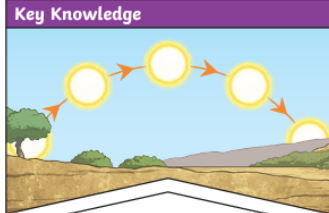

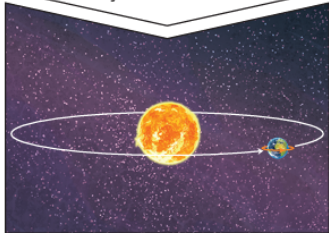




Dringhouses Discovery Curriculum Knowledge Organiser

CLASS 9 | 10 | 11 - Earth and Beyond!

Key Vocabulary		Overview		The Solar System
<p>Sun A huge star that Earth and the other planets in our solar system orbit around.</p> <p>star A giant ball of gas held together by its own gravity.</p> <p>moon A natural satellite which orbits Earth or other planets.</p> <p>planet A large object, round or nearly round, that orbits a star.</p> <p>sphere A round 3D shape in the shape of a ball.</p> <p>spherical bodies Astronomical objects shapes like spheres.</p> <p>satellite Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.</p> <p>orbit To move in a regular, repeating curved path around another object.</p> <p>rotate To spin. E.g. Earth rotates on its own axis.</p> <p>axis An imaginary line that a body rotates around. E.g. Earth's axis (imaginary line) runs from the North Pole to the South Pole.</p>	<p>In UKS2 this half term, we will be learning about 'Earth and Beyond!' linked to the science unit of 'Space'. We will be learning about the solar system, Moon phases, and different time zones. In English, we will be reading 'Dr Maggie's Grand Tour of the Solar System' by Dr Maggie Aderin-Pocock and 'The Jamie Drake Equation' by Christopher Edge.</p> 			
		Places	People	Key Knowledge
		<p>The Solar System Earth Moon United States of America Soviet Union Russia</p>	<p>Helen Sharman, Nicolas Copernicus, Galileo Galilei, Aristotle, Professor Brian Cox, Heidi Hammel, Margaret Hamilton, Dorothy Vaughan, Mary Jackson, Katherine Goble</p>	<p>Key Knowledge</p>  <p>It appears to us that the Sun moves across the sky during the day but the Sun does not move at all. It seems to us that the Sun moves because of the movements of Earth.</p>  <p>Earth rotates (spins) on its axis. It does a full rotation once in every 24 hours. At the same time that Earth is rotating, it is also orbiting (revolving) around the Sun. It takes a little more than 365 days to orbit the Sun. Daytime occurs when the side of Earth is facing towards the Sun. Night occurs when the side of Earth is facing away from the Sun.</p> 

<p>Links to other units</p>	<p>Science unit of forces and gravity Knowledge of the seasons from KS1</p>	<p>You should already know</p>	<ul style="list-style-type: none"> - Locate the world's countries, using maps to focus on Europe (including Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries and major cities. - Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere and Southern Hemisphere.
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<p>Earth and Beyond! - What do you already know? What can you find out?</p>		
<p>Week 1: Key question <i>What is the Solar System?</i></p>	<p>Week 2: Key question <i>Why does the Moon have different phases?</i></p>	<p>Week 3: Key question <i>How is daily life affected by the amount of daylight?</i></p>
<p>Week 4: Key question <i>What is abstract art?</i></p>	<p>Week 5: Key question <i>How can we make a recipe healthier?</i></p>	<p>Week 6: Key question <i>Is it better to express your beliefs in art and architecture or in charity and generosity?</i></p>

