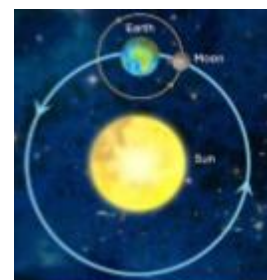
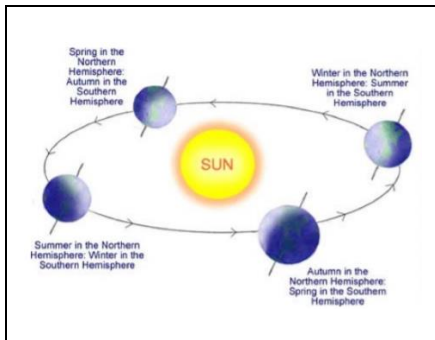



St Mary's Horsforth – Science Knowledge Organiser
Year 5 – Earth & Space - Physics– Autumn Half Term 2.



What should I already know?	What will I know at the end of the unit?
<ul style="list-style-type: none"> We have four seasons (autumn, winter, spring and summer). The Sun is a source of light, but the Moon is not. Know that a shadow is caused when an object blocks light from passing through it. To know the history of space travel. The properties of a sphere. 	<ul style="list-style-type: none"> I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system. I can identify facts about our universe and the planets in our solar system. I can describe the movement of the Moon relative to the Earth. I can describe the Sun, Earth and Moon as approximately spherical bodies. I can identify Nicolaus Copernicus and Galileo's theory of the Earth being spherical. I can use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Knowledge Vocabulary	Working Scientific Vocabulary
solar system- planets universe orbit rotating axis spinning spherical gravitation pull north - east - south - west lunar moon northern / southern hemisphere	sort - classify compare - similarities - differences observe gather record suggest explain evidence theories

Recommended Reads	Inventor/ Scientist
 	<p align="center">Nicolaus Copernicus</p>  <p align="center">Astronomer</p>

Suggested Investigations
<p align="center">Observation over time: Can you observe and identify all the phases in the cycle of the moon? Pattern Seeking: Is there a pattern between the size of a planet and the time it takes to orbit the sun? Research: How have theories and ideas about gravity changed over time? Research: Do all the planets orbit the same?</p>