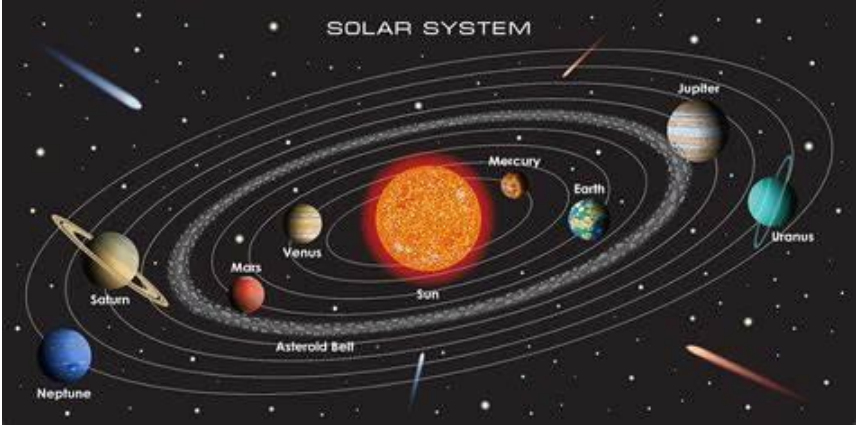


## OUT OF THIS WORLD – KNOWLEDGE ORGANISER TERM 2

Subject Specific Vocabulary				Sticky Knowledge about Earth and space
orbit	An orbit is a repeating path that one celestial body takes around another.			The moon appears to change shape because of the way the sun falls on it as it orbits the earth.
solar system	The solar system is made of the eight planets that orbit our sun; it is also made of asteroids, moons, comets and lots more.			<input type="checkbox"/> The order of the planets from the sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune <b>My Very Easy Method Just Speeds Up Naming</b>
astronomy	Astronomy is the study of outer space, focusing on celestial bodies such as stars, comets, planets and galaxies.			<input type="checkbox"/> Earth is said to be in the Goldilocks zone – just the right distance from the sun for life to flourish.
planet	A celestial body that orbits a star, is spherical and has cleared smaller objects away from its orbit.			
rotation	Rotation is when a shape is turned around a fixed point.			
spherical	Something spherical is like a sphere in being round, or more or less round, in three dimensions.	<b>Important facts to know by the end of the Earth and space topic:</b>		<input type="checkbox"/> Earth is the only world known to support an atmosphere with free oxygen, oceans of liquid water on the surface, and life.
celestial body	Any natural object found outside the earth's atmosphere – examples: such as the moon, other planets, stars, asteroids and comets.	<ul style="list-style-type: none"> <li>Know about and explain the movement of the Earth and other planets relative to the Sun.</li> <li>Know about and explain the movement of the Moon relative to the Earth.</li> <li>Know and demonstrate how night and day are created by the rotation of the earth.</li> <li>Describe the Sun, Earth and Moon (using the term spherical).</li> <li>Know about and explain why seasons change</li> <li>Know the names of the planets in the solar system</li> </ul>		<input type="checkbox"/> There is no atmosphere in space, which means that sound has no medium or way to travel to be heard.
star	A celestial body that produces its own energy. The sun is the star at the centre of our solar system – the Milky Way.			<input type="checkbox"/> Seasons in the north and south change because of Earth's tilt and it's orbit of the sun.
solar system	A series of planets that orbit a star.			
lunar	Anything related to the moon.			
gravity	A force that tries to pull two things together – the larger the mass of the object, the greater the gravitational pull. The sun's gravity holds all the planets in our solar system in orbit.			<input type="checkbox"/> The greater the mass of a planet, the more gravity it has (it is easier to leap on the moon than on Earth)