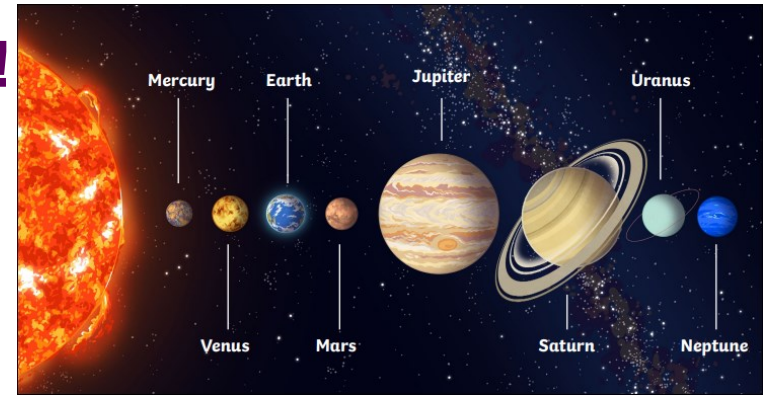


# Y5 Spring Snapshot: Reach for the Stars!



Key Vocabulary	
<b>Asteroid</b>	Rocks floating around in space. Some are the size of a truck. Others are hundreds of miles across.
<b>Astronomy</b>	The study of the Universe and everything in it.
<b>Astronomer</b>	Someone who studies or is an expert in astronomy (space science).
<b>Atmosphere</b>	The gases held by gravity around Earth and around other planets. "Atmosphere" can also be used to talk about gases around stars.
<b>Gravity</b>	A force that pulls matter together.
<b>Moon</b>	A natural object that travels around a bigger natural object.
<b>Orbit</b>	The curved path that a planet, satellite, or spacecraft moves as it circles around another object.
<b>Planet</b>	A large body in outer space that circles around the sun or another star.
<b>Satellite</b>	A natural or manmade object that orbits another object. A moon is actually a satellite.
<b>Solar system</b>	A set that includes a star and all of the matter that orbits it, including planets, moons, asteroids, comets, and other objects.
<b>Star</b>	A giant ball of gas held together by its own gravity.
<b>Sun</b>	A huge star that Earth and the other planets in our solar system orbit around.

Key Knowledge
<p>The solar system has one <b>star</b>, eight <b>planets</b>, five <b>dwarf planets</b>, at least 950 <b>moons</b>, more than 1.3 million <b>asteroids</b>, and at least 4,000 <b>comets</b>!</p> <p>The inner, rocky planets are <b>Mercury, Venus, Earth, and Mars</b>. These are known as <b>terrestrial</b> planets because they have solid surfaces. Mercury, Earth, and Mars are currently being explored by spacecraft. Two <b>rovers</b> are on the surface of Mars.</p> <p>The outer planets are gas giants <b>Jupiter</b> and <b>Saturn</b>, and ice giants <b>Uranus</b> and <b>Neptune</b>.</p> <p>Earth <b>rotates</b> (spins) on its <b>axis</b>. It does a full rotation once every 24 hours. At the same time that Earth is rotating, it is also <b>orbiting</b> around the sun. It takes a little more than <b>365 days</b> to orbit the sun. Daytime occurs when the side of the Earth is facing towards the sun. Night occurs when the side of the Earth is facing away from the sun.</p>
Key Figures
<b>Neil Armstrong:</b> the first man to set foot on the moon.
<b>Valentina Tereshkova:</b> the first woman in Space.
<b>Mae Jamison:</b> the first Black woman to travel into space
<b>Katherine Johnson:</b> mathematician who helped NASA send astronauts into space.