

Nova's Galactic Guide: Our Solar System

Blast off into space with Nova the owl to discover the wonders of our cosmic neighborhood!

- **The Sun is a star at the center of our solar system, and eight planets, including Earth, orbit around it.**
- **The Earth takes approximately 365 days to complete one full orbit around the Sun, which creates our calendar year.**
- **The Moon is a celestial body that orbits the Earth, taking about 28 days to complete one full cycle.**
- **Gravity is the invisible force that keeps the planets in their orbits and keeps us firmly on the ground.**
- **Planets, stars, and moons are spherical in shape because their own gravity pulls matter towards their center.**

Did you know? Did you know? Even though it feels like we are standing still, the Earth is spinning on its axis at a speed of about 1,000 miles per hour! Because of this constant rotation, we experience day and night as different parts of the world face towards or away from the Sun.

Key vocabulary: Orbit · Axis · Solar System · Rotation · Spherical · Gravity