

A journey past stars and planets with the Little Astronauts

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The **starry** sky is beautiful beyond belief!

On a clear night, you can easily see a few thousand stars.

Though you'll probably have to find a very dark place, far from a city. And you might want to bundle up; it can get chilly at night when you're outdoors! Some stars appear to belong together: in groups that are called constellations. With a bit of imagination, you can see all sorts of things in these star patterns. In the past, that's how constellations got their names. But there's even more to see in the starry sky. The Moon, for instance. Or other bright planets. If it's extremely dark outdoors, you can also see the Milky Way. And sometimes a satellite is visible, or a shooting star.

Sirius is the brightest star in the sky. It gives off twenty-five times more light than our Sun. And it's actually quite close to us, which is why we can see it so clearly.

Sirius

This constellation is called **Orion**.

Long ago, people thought it looked like a hunter. The brightest stars in the constellation are the knees, shoulders, head and belt.

Orion is easiest to spot when winter comes around.

Betelgeuse

Orion Nebula

The star in Orion's right shoulder is called **Betelgeuse**. It's a supergiant star that's about 75,000 times the size of Earth. Betelgeuse is a striking orange colour.



PLANET EARTH

its well-being.

Here's a glimpse of part of the Earth from outer space. The Earth is the planet we live on. It's a large, rotating sphere floating in the darkness of space. Earth is illuminated by the Sun. On the side where the Sun shines, it's day. On the shadow side, it's night. It takes the Earth one year to orbit the Sun. Over the course of that year, the earth is illuminated in different ways. That's how the seasons occur: spring, summer, autumn and winter.

Nearly eight billion people live on Earth. And, naturally, lots of animals, trees and plants. Earth is considered a 'living' planet. It's important that we take care of our beautiful planet to safeguard

At the North Pole and South Pole, it's very cold sometimes more than 50°C below zero. Almost all the water there is frozen solid. That's a lot of ice! These freezing cold areas are known as the Earth's polar ice caps. North Pole Iron Core It's very hot deep under the ground. So extremely hot that all the rock is melted. In some places, that molten rock erupts. Such a firespewing mountain is called a **VOLCANO**. The molten rock is called LAVA. Rock South Pole Inside planet Earth there's a large iron core. It's a few thousand degrees Celsius there. Much of the iron is melted. The core acts like a giant magnet. Due to this magnetic field, a compass on Earth always points north.

