



Let's Explore Space!



Québec Amérique

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Welcome, young adventurer!

I'm an explorer robot. I can transform myself in all kinds of ways so that I can travel everywhere with you. Let's go together to discover a thousand wonders.

What do you think? Should we explore **OUTER SPACE** today? Prepare your spaceship and your spacesuit because we're going to discover the treasures of the Universe.

Ready for departure?

5, 4, 3, 2, 1...

Blast off!



I want to go on this voyage, too, because I love outer space!

I especially like to hide... Will you be able to find me?

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Keep your eyes wide open!

On this voyage, you might spot...

- a giant planet
- a magnificent comet
- clusters of galaxies
- a space station

What is OUTER SPACE?

Look at the sky after the sun has set.
Do you see the Moon? Tons of stars?
All that is in outer space! You can
also call it "the Universe."

The stars' grand ball

The Universe is full of celestial objects. A **celestial object** can be a star, a planet, a moon, or just a rock passing through space.



Is a shooting star a real star?

No, it's a **meteor**, a rock that comes from space. It is burning as it flies at full speed into our sky. Its passage leaves a beautiful glowing trail! The meteor becomes a **meteorite** when it falls to the ground.

Stars or planets?

Stars are immense balls of burning gas. They create a great deal of heat and light. **Planets** are smaller celestial objects that orbit around a star.

The Sun, our star

Did you know that the Sun is a **star**? But not just any star. It's the star that's closest to Earth, the one that gives us light and keeps us warm!



Enormous furnace

The Sun is a **ball of gas** that is constantly burning. It's a bit like a huge furnace in outer space. Without the Sun, our Earth would be cold and dark.

Why is the Sun bigger than the other stars?

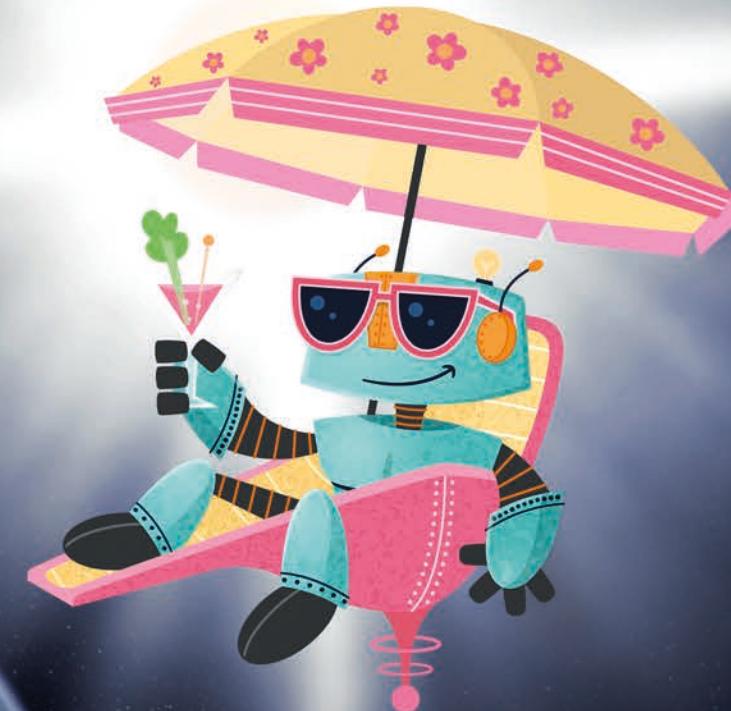
All stars are immense. The Sun looks bigger because it's the closest to us. During the day, it shines so brightly that it keeps you from seeing other stars.

The Earth, our home

Let's go back toward Earth, the planet that we inhabit. Why are we able to live here? Because the Earth is just the right distance from the Sun.

Not too close and not too far from the Sun

Earth is a perfect home. The Sun give us just the right amount of light and heat. There is air to breathe, and water, plants, and animals... It's the only planet we know of where life is possible.



The blue planet

Earth is called the "blue planet" because it is covered with so much **water**. It's a beautiful sight to see from outer space!

Turn, turn, turn

Every day, the Earth turns on its axis. And every year, it travels once around the Sun, spinning like a top on a merry-go-round!

Day and night

The Sun rises, crosses the sky, and then sets. It seems to be moving, but it's actually the Earth that is turning.

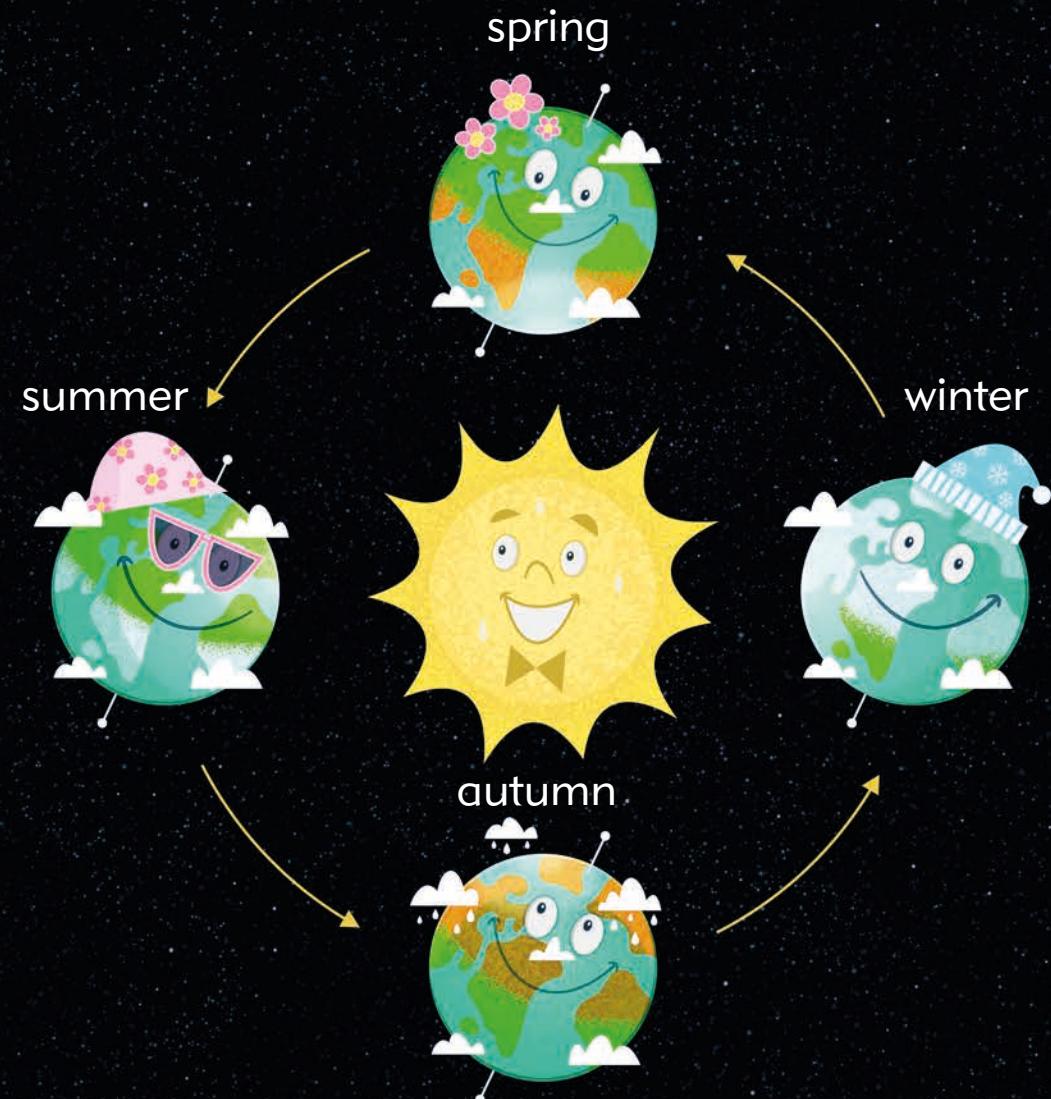
When the country you live in is facing the Sun, it's **daytime**.



Back to the sun, in the shadow, it's **nighttime**.

Seasons of the year

The seasons exist because the Earth is tilted as it orbits the Sun. When your country is tilted toward the Sun, it's warm. That means it's **summer**. At the same time, at the other end of the Earth, it's **winter**.



The exploration continues

The Universe is so vast that it is always the source of new discoveries. For astronomers, it's an endless playground!

You too could become a space specialist. Who knows? You might discover a comet, a distant planet, or a new galaxy!

Our voyage together ends here. I can't wait to meet you again for a new adventure!

