



Oldřich Růžička
Tomáš Tůma

My first


SPACE DISCOVERIES



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Earth looks as small as a tennis ball from here. Be careful! It wouldn't be wise to come too close to the Sun. That's because it's so intensely hot.



A meteor shower consists of small objects from space that enter Earth's atmosphere. You can see them as streaks of light in the night sky. People call them shooting stars and like to make wishes on them.

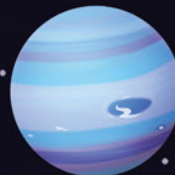
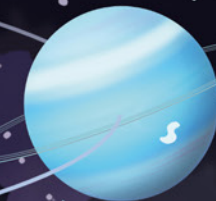
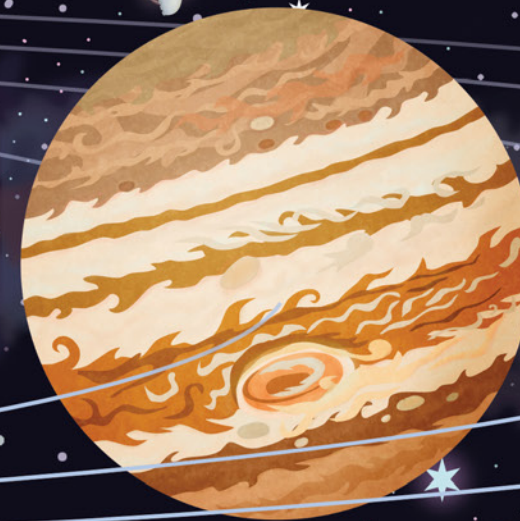
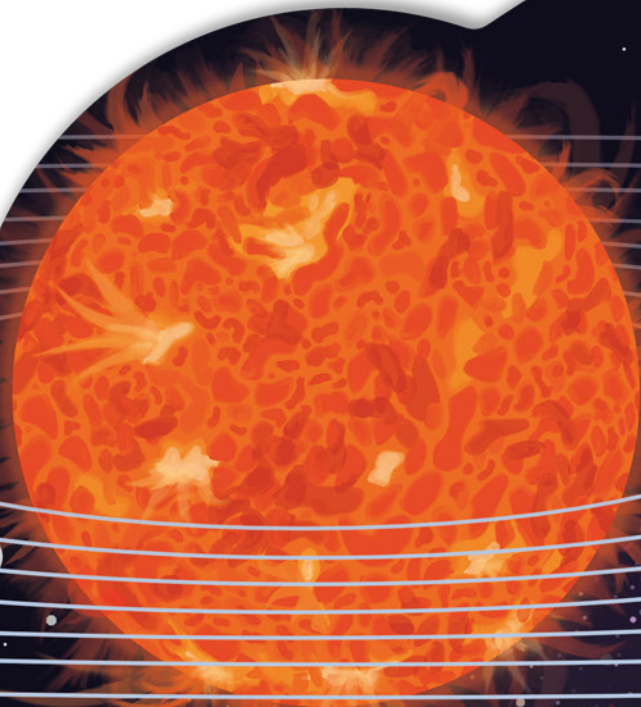
There are many things in outer space. This **meteoroid** may be approaching Earth, but due to its small size it will burn up in Earth's atmosphere before it could otherwise hit the ground – luckily for us!

This is what **the Sun** looks like. It's located in the center of our Solar System and is very important for life on Earth because it provides us with warmth and light.

Minor planets are much larger than meteoroids. They orbit the Sun and may be remnants of large, broken-up planets.



The **Solar System** consists of eight planets, all orbiting the Sun.



MERCURY

The smallest planet in the Solar System and the one closest to the Sun. Its surface is pocked with craters made by cosmic bodies crashing into it.



VENUS

A very bright planet, you can see it in the sky a few hours after sunset or just before sunrise. It appears as a bright spot.



EARTH

The only planet currently known to have life. It's beautiful, exceptional, and deserving of our protection.



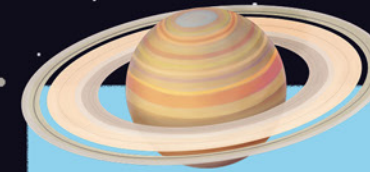
MARS

The second smallest planet in the Solar System. Scientists have sent spacecrafts to study its red surface. You can see it with the naked eye as a reddish spot in the sky.



JUPITER

The biggest planet in our Solar System, visible to the naked eye as a light spot. A huge storm ravages the planet at all times.



SATURN

The second largest planet in our Solar System, it's surrounded with rings of ice, stones, and cosmic dust.



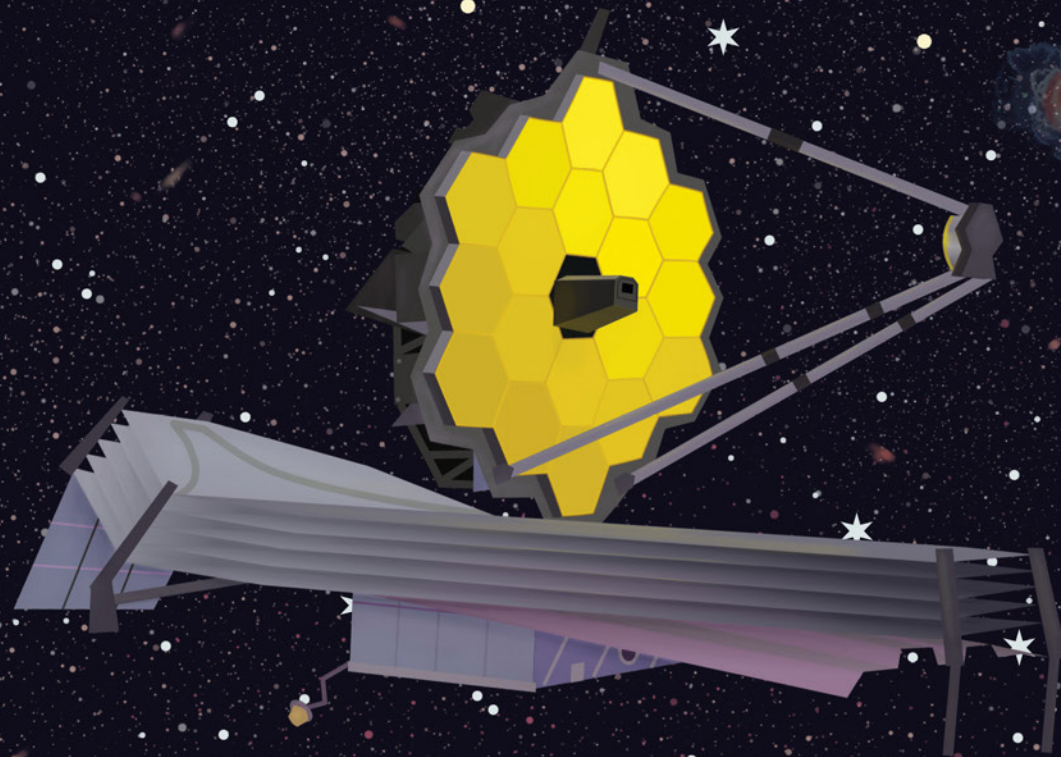
URANUS

The third largest planet in our Solar System and the coldest. It mostly consists of ice.



NEPTUNE

The last and most remote planet in our Solar System, it's made up mostly of gases and has a characteristic blue color.

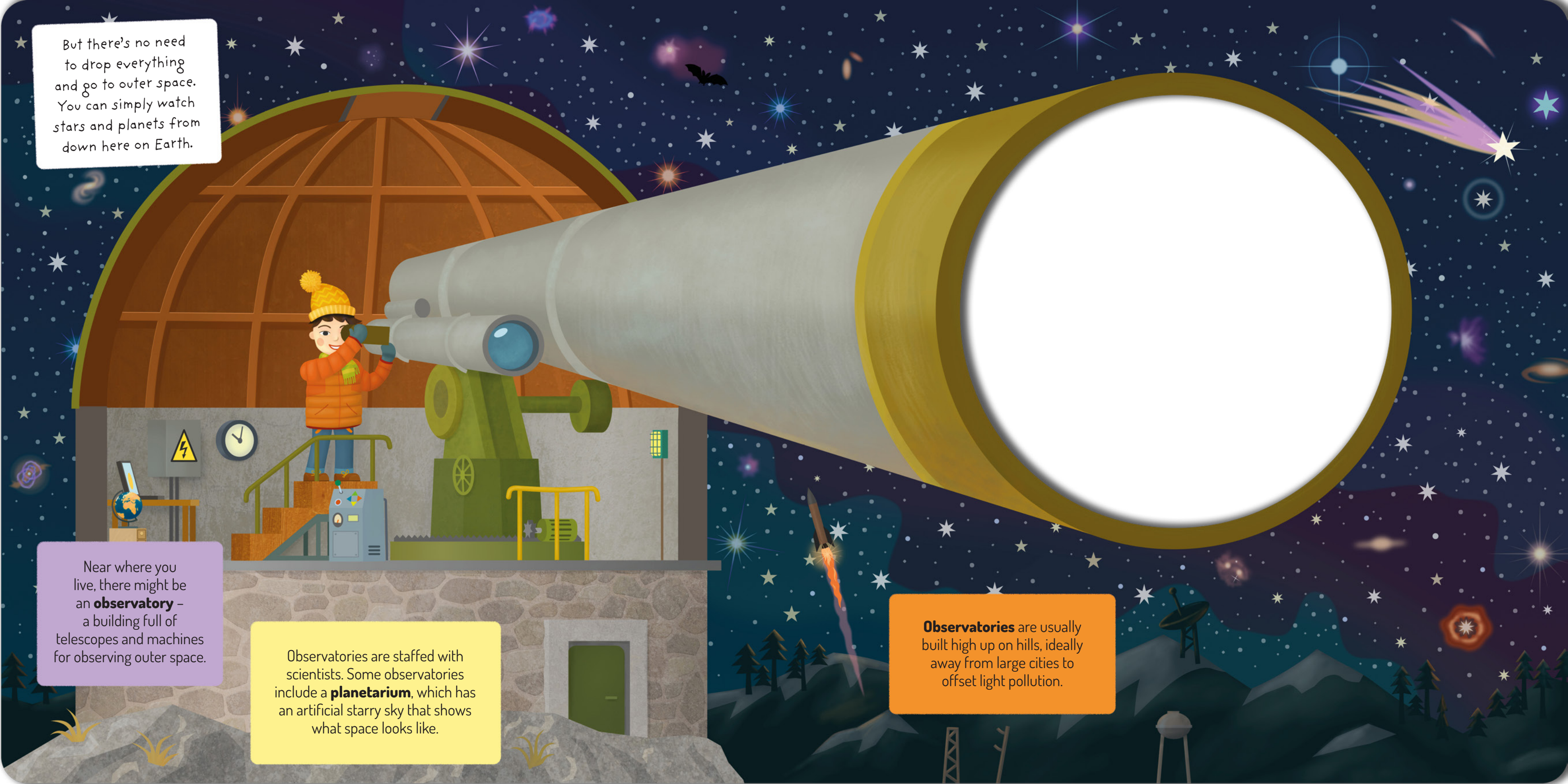


Human-made telescopes float in outer space, taking pictures of remote places. They then send the pictures to Earth to be studied by scientists.

Stars are separated by huge distances and it isn't actually possible for us to travel to any of them. Luckily, we've created machines, such as telescopes, that help us peek into the farthest corners of outer space.



Thanks to **space telescopes**, we know what very remote places in outer space look like. Currently we don't have the technology to travel to these places. At least we have wonderful photos to admire.

A colorful illustration of a child wearing a yellow beanie and an orange jacket, looking through a large, silver telescope mounted on a green base. The telescope is positioned inside a stone building with a large, arched wooden dome. The child is standing on a small platform with a railing. In the background, there are various astronomical objects like stars, galaxies, and a comet. The scene is set at night, with a dark blue sky filled with stars and a few colorful nebulae. The overall style is whimsical and educational.

But there's no need to drop everything and go to outer space. You can simply watch stars and planets from down here on Earth.

Near where you live, there might be an **observatory** – a building full of telescopes and machines for observing outer space.

Observatories are staffed with scientists. Some observatories include a **planetarium**, which has an artificial starry sky that shows what space looks like.

Observatories are usually built high up on hills, ideally away from large cities to offset light pollution.

* My first *

SPACE DiSCOVERIES

Come set out for your first adventure into outer space! Explore the celestial bodies orbiting Earth and discover the wonders of our solar system and its planets. Get to know the cosmic bodies seen in the night sky – both with the naked eye and through a telescope. Learn about what meteoroids, meteor showers, and comets are and see what minor planets look like. Then, take a peek into the vast depths of space, home to millions of other stars and distant galaxies.

Get ready – your very first space journey is about to begin!

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36 months.

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