

GOD'S LITTLE EXPLORERS

God's Little Astronomer

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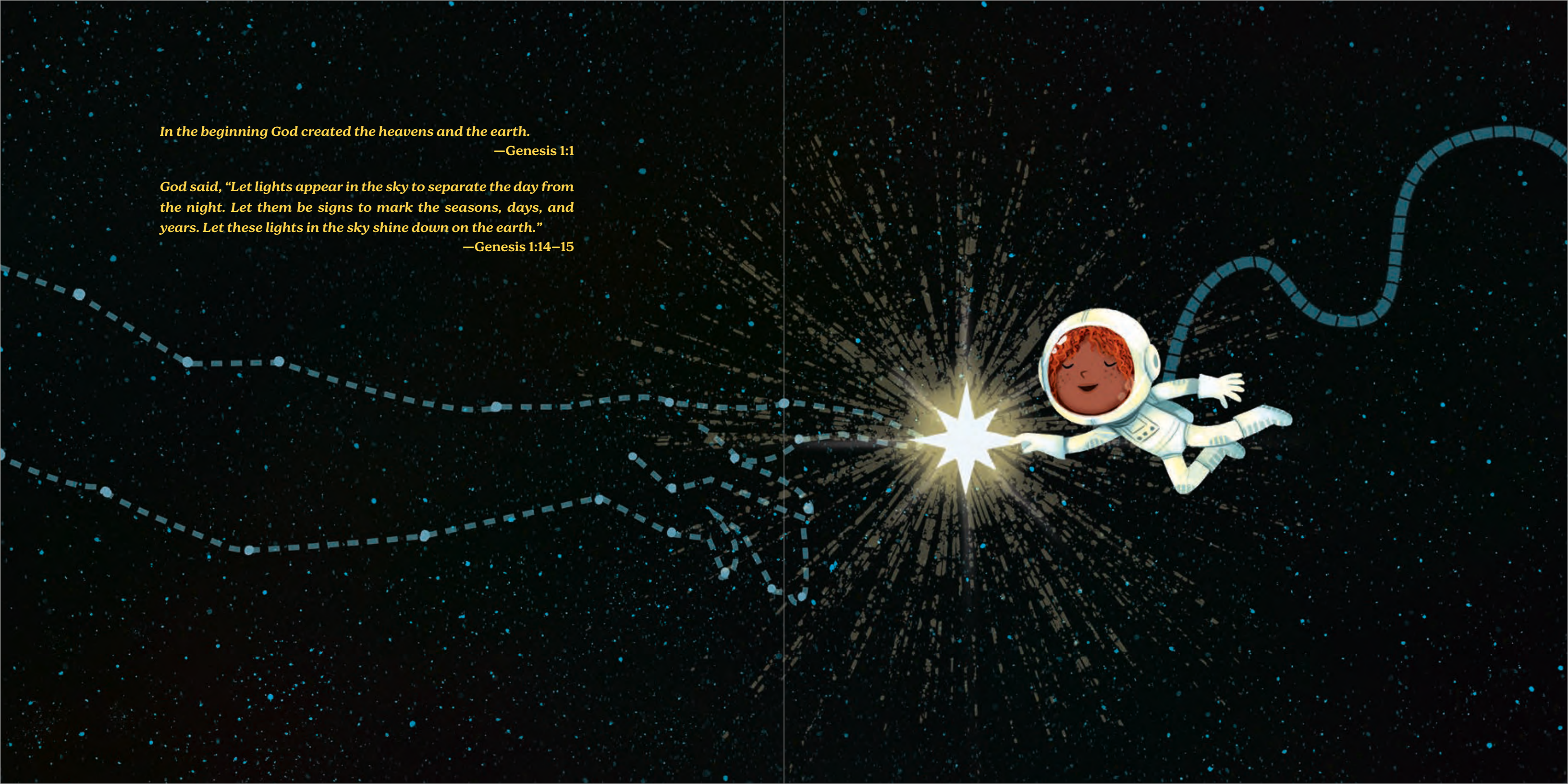


In the beginning God created the heavens and the earth.

—Genesis 1:1

God said, “Let lights appear in the sky to separate the day from the night. Let them be signs to mark the seasons, days, and years. Let these lights in the sky shine down on the earth.”

—Genesis 1:14–15





For my father-in-law, Seung Hwan Cho, who showed me Saturn for the first time through a telescope in South Korea, and for our amazing Creator God.

—TC

To all those curious little minds who want to know what lies beyond the stars.

—MAV




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An illustration of a night sky filled with stars. In the foreground, there are dark, stylized evergreen trees. In the middle ground, a rocket is being launched from a tall, dark launch tower. The rocket is orange and white with a circular window. Two children, a boy and a girl, are standing on a set of stairs leading up to the rocket. The boy is wearing a white spacesuit and the girl is wearing a white dress. The background is a deep blue and purple sky with many small, bright stars.

Little astronomer, let's take a
trip to outer space, high above
the mountains, clouds, and sky.

Out the window, you will see
the wonders God has made.

*Before the mountains were born,
before you gave birth to the earth and the world,
from beginning to end, you are God.*

—Psalm 90:2

God created the galaxies. You live in the Milky Way.
This swirl of gas, dust, and billions of stars
floated through the universe **when God spoke.**

*The LORD merely spoke,
and the heavens were created.
He breathed the word,
and all the stars were born.*
—Psalm 33:6

OUR SOLAR SYSTEM

A galaxy is made up of gas,
dust, stars, and planets, which
are kept together by gravity.
There are more than 100 billion
galaxies in the universe. Earth is
part of the Milky Way galaxy.

Every star glows with heat and light. Some are giants. Some are dwarfs. Did you know—stars can be red, orange, yellow, white, or blue? Our Creator used a palette of colorful lights to paint the universe. Each star is a guide to **His goodness and love for you.**

- White Dwarf Star
- Red Dwarf Star
- Yellow Dwarf Star
- Blue Giant Star
- Red Giant Star
- Red Supergiant Star

The sun has one kind of glory, while the moon and stars each have another kind. And even the stars differ from each other in their glory.
—1 Corinthians 15:41

Although we often draw stars with five points, they are balls of gas, made of hydrogen and helium. Stars look small from Earth, but that's because they are so far away. From Earth, stars look white, but did you know they are actually different colors? Astronomers can tell the temperature of a star based on its color: Blue stars are the hottest, followed by white and yellow. The cooler stars are orange and red.


There are more than 200 billion trillion stars, yet God counts them and knows their names. More amazingly, He knows *your* name and watches you **shine** in the world.



*He counts the stars
and calls them all by name.*
—Psalm 147:4



On a clear night, you might see 3,000 stars with your own eyes. With a telescope, you might see 100,000 stars. In our galaxy, there are more than 100 billion stars!



The sun, Earth's closest star, is a hot ball of gas. It gives off heat and energy so people, plants, and animals can live and grow. Its gravity holds our solar system together.

*From the rising of the sun to
the place where it sets,
the name of the LORD is to
be praised.*

—Psalm 113:3, NIV



Our solar system is made up of the sun and everything that orbits, or circles, it. The sun is a middle-sized yellow star that is 27 million degrees Fahrenheit at its core, or center. The sun is 93 million miles away from Earth. If you drove a car 93 miles per hour, it would take 1 million hours to reach the sun—way more than 100 years!