

A **TRUE**

BOOK™

OUR UNIVERSE

THE
MOON

Steve Tomecek

 SCHOLASTIC

A **TRUE**

BOOK™

OUR UNIVERSE

PLANET EARTH

A satellite-style photograph of Earth from space, showing the Americas and surrounding oceans. The Earth is the central focus, with the Americas (North and South America) clearly visible in green and brown. The surrounding oceans are a deep blue, and the sky is a dark, starry space. The title 'PLANET EARTH' is overlaid in large, bold, yellow letters with a red outline.

Stephanie Warren Drimmer



SCHOLASTIC

A **TRUE**

BOOK™

OUR UNIVERSE

STARS

Joan Marie Galat

 SCHOLASTIC

A **TRUE** BOOK™

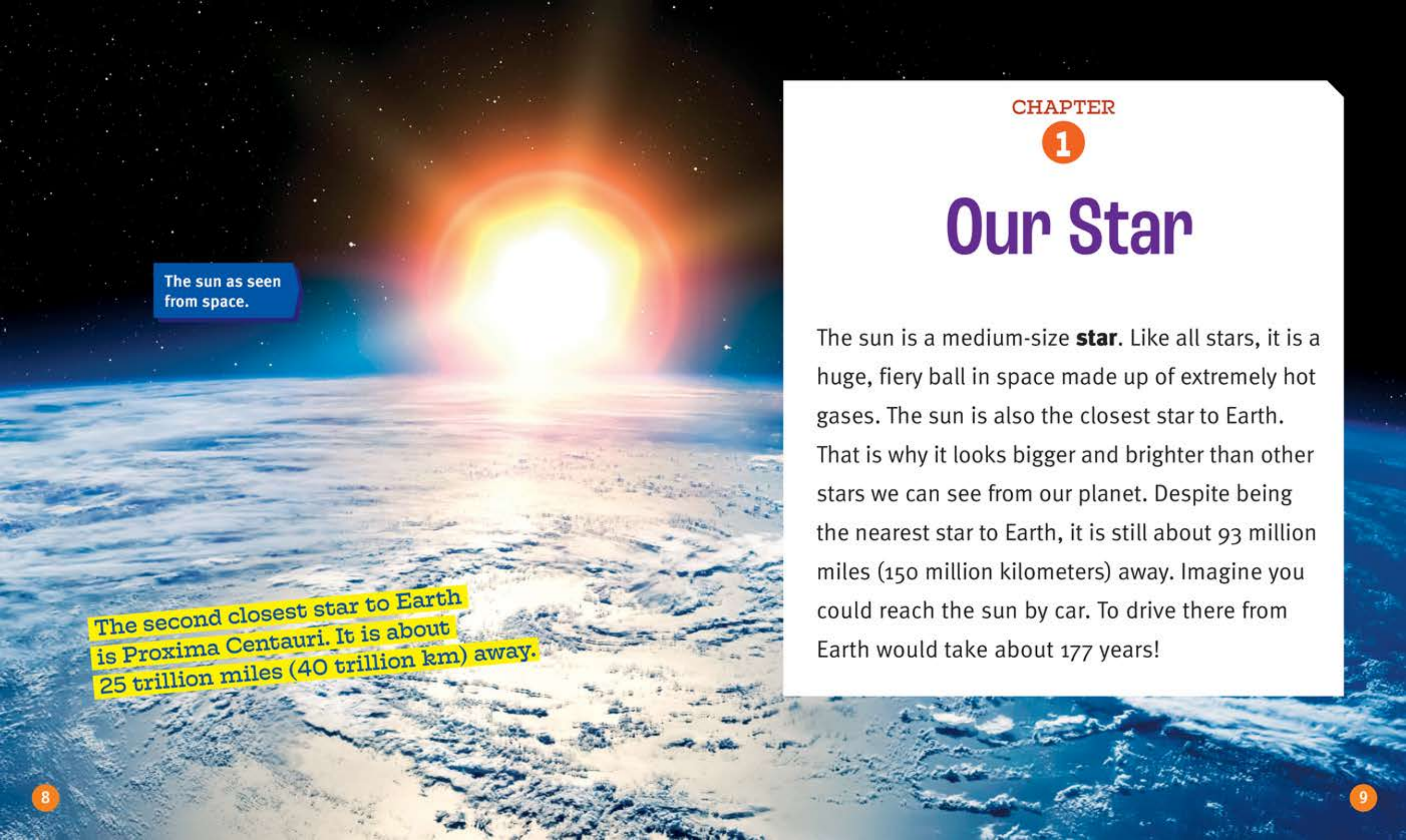
OUR UNIVERSE

THE

SUN

Cody Crane

 SCHOLASTIC



The sun as seen from space.

The second closest star to Earth is Proxima Centauri. It is about 25 trillion miles (40 trillion km) away.

CHAPTER

1

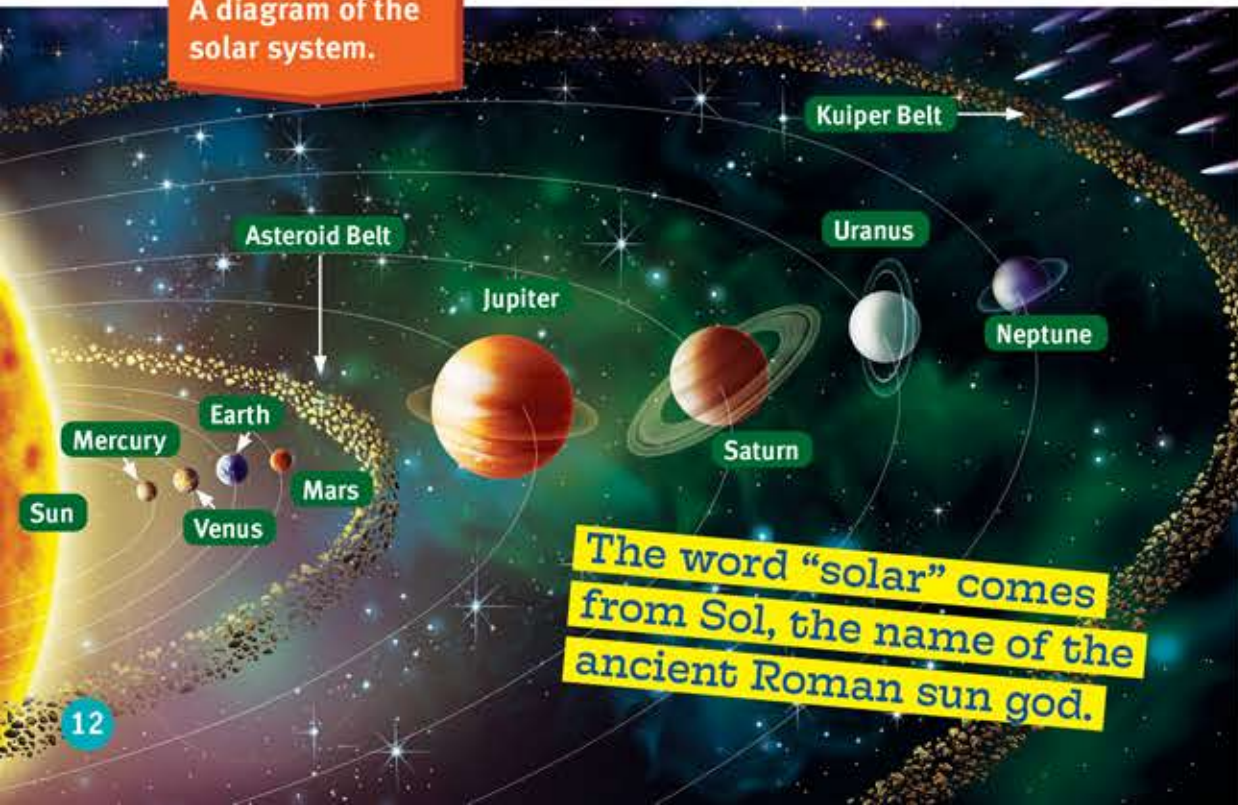
Our Star

The sun is a medium-size **star**. Like all stars, it is a huge, fiery ball in space made up of extremely hot gases. The sun is also the closest star to Earth. That is why it looks bigger and brighter than other stars we can see from our planet. Despite being the nearest star to Earth, it is still about 93 million miles (150 million kilometers) away. Imagine you could reach the sun by car. To drive there from Earth would take about 177 years!

Center Stage

The sun sits at the center of our **solar system**. Earth is one of eight planets that **orbit** the sun. The solar system is also home to moons that orbit the planets. Earth has one moon. Other planets such as Jupiter and Saturn have dozens. Smaller dwarf planets such as Ceres, Eris, and Pluto are part of the solar system, too. There are also icy comets and rocky asteroids.

A diagram of the solar system.



The word "solar" comes from Sol, the name of the ancient Roman sun god.



The asteroid that may have killed the dinosaurs left a giant crater in what is now the Yucatán region of Mexico.

Sunblock

Did a lack of sun wipe out the dinosaurs? Many scientists think so. They believe a huge asteroid, or space rock, struck Earth about 66 million years ago. The asteroid was more than six miles (10 km) wide. The impact crushed rocks on the ground into dust and blasted

the particles into the air. So much dust clouded the skies that it blocked out the sun. Without the sun's heat and light, temperatures dropped. Plants died and animals had nothing to eat. Three-fourths of life on Earth, including all the dinosaurs, died.