

Our. Universe

1:1
Answers
IN GENESIS™

God's Design® for Heaven & Earth is a complete earth science curriculum for grades 3–8. The books in this series are designed for use in the Christian homeschool and Christian school, and provide easy-to-use lessons that will encourage children to see God's hand in everything around them.

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Welcome to GOD'S DESIGN®

HEAVEN & EARTH



You are about to start an exciting series of lessons on Earth science. *God's Design® for Heaven and Earth* consists of three books: *Our Universe*, *Our Planet Earth*, and *Our Weather and Water*. Each of these books will give you insight into how God designed and created our world and the universe in which we live.

No matter what grade you are in, third through eighth grade, you can use this book.

3rd–5th grade

Read the lesson.

 Do the activity in the light blue box (worksheets will be provided by your teacher).

 Test your knowledge by answering the **What did we learn?** questions.

 Assess your understanding by answering the **Taking it further** questions.

Be sure to read the special features and do the final project.

There are also unit quizzes and a final test to take.

6th–8th grade

Read the lesson.

 Do the activity in the light blue box (worksheets will be provided by your teacher).

 Test your knowledge by answering the **What did we learn?** questions.

 Assess your understanding by answering the **Taking it further** questions.

 Do the Challenge section in the light green box. This part of the lesson will challenge you to do more advanced activities and learn additional interesting information.

Be sure to read the special features and do the final project.

There are also unit quizzes and a final test to take.

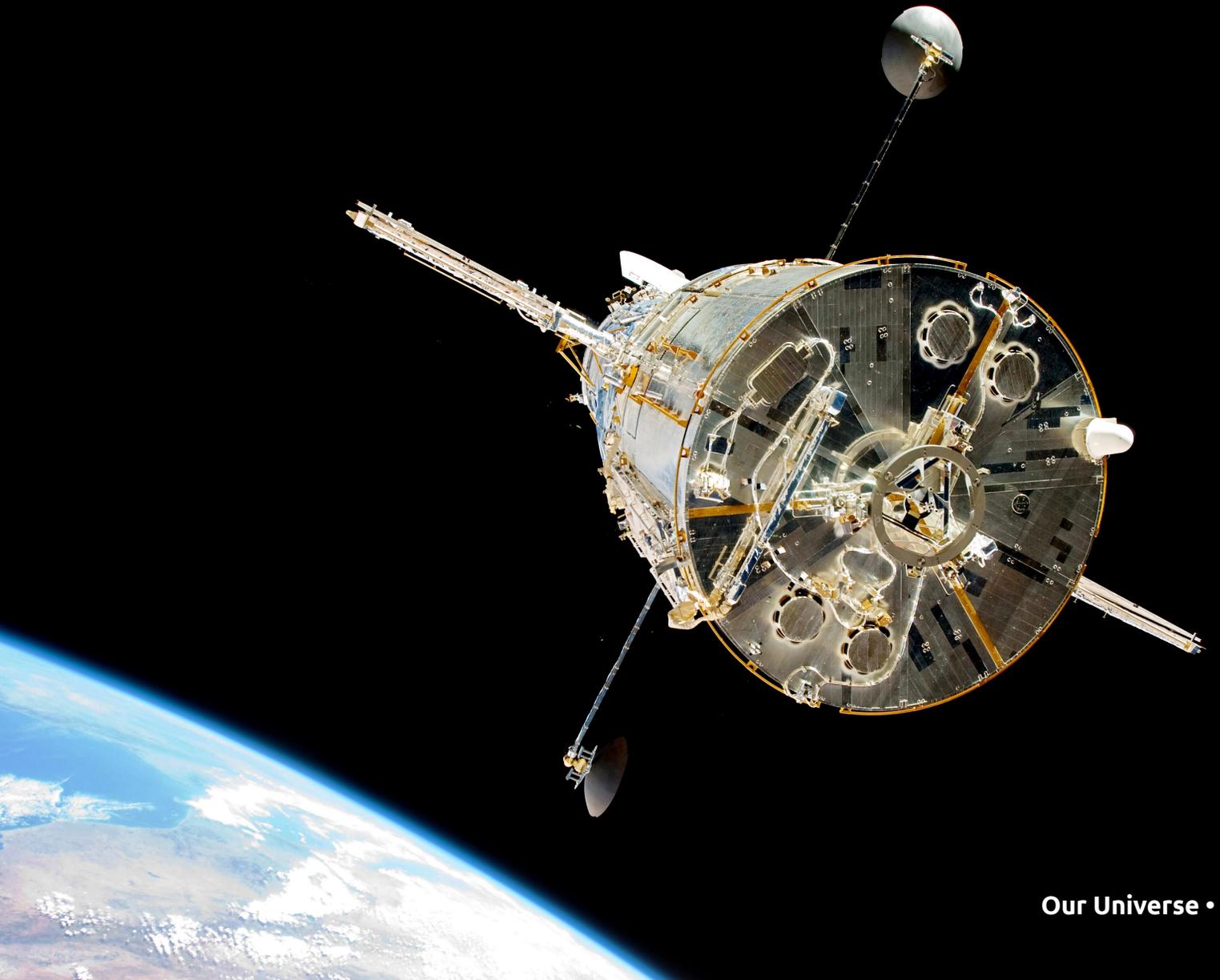
When you truly understand how God has designed everything in our universe to work together, then you will enjoy the world around you even more. So let's get started!

UNIT 1

Space Models

- 1 Introduction to Astronomy • 8
- 2 Space Models • 10
- 3 The Earth's Movement • 17
- 4 Tools for Studying Space • 21

- ◇ Identify models used to understand the universe.
- ◇ Describe how models are used in science.
- ◇ Describe how lenses and mirrors are used to explore space.



1

Introduction to Astronomy

Study of space



What is astronomy, and why should we study it?

Words to know:

astronomy

big bang theory

Psalm 19:1 says, “The heavens declare the glory of God.” Since the Bible is always true, we should want to study and understand the heavens so that we can better understand God’s glory. The study of the heavens is called astronomy. **Astronomy** is the study of the planets, moons, stars, and other things found outside of the earth. In this book you will learn about these things and many other things in the universe as well.

Have you ever looked at the stars and wondered what they were or how they got where they are? Have you ever observed the movement of the sun through the sky and wondered how it moves like it does? Then you are asking some of the same questions that astronomers have asked for hundreds of

years. Scientists cannot prove where the universe came from. A popular theory among some scientists is the **big bang theory**—the idea that the universe suddenly came into existence nearly 14 billion years ago and has been expanding ever since. However, in Genesis 1:14–19, the Bible says that God created the sun, moon, and stars on the fourth day of creation, so we know how the sun, moon, and stars got where they are—God created them. Many of the other questions have been answered by scientists as they have observed the universe and studied how things move and work together. In this book, you will learn many of the things that astronomers and other scientists have discovered as well as many things that the Bible has to say about the universe that we live in. 🌍



God’s purpose

Complete the “God’s Purpose for the Universe” worksheet.

What did we learn?

- What is astronomy?
- Why should we want to study astronomy?

Taking it further

- What is one thing you really want to learn during this study?
- Write your question or questions on a piece of paper and save it to make sure you find the answers by the end of the book.

Knowledge of the Stars

The word *astronomy* comes from two Greek words, which mean “star arranging.” It means to arrange or systematize our knowledge of the stars. What knowledge do you have of the stars? Test your knowledge of the stars by completing the “Knowledge of the Stars” worksheet. Try to find the answers to the questions you are not sure of in any books you may have on astronomy or on the internet.