

LESSON 1: WHAT IS ASTRONOMY

☐ **Daily Assignment:**

Make Creation Confirmation Bookmark

Welcome

The Night Sky

Stars and Planets

Apologia Science Kit Activity: Why Do Stars Twinkle and Planets Do Not

Clocks, Calendars, and Seasons

Apologia Science Kit Activity: Make a Sundial

☐ **Daily Assignment:**

Navigation

Apologia Science Kit Activity: Make Your Own Astrolab

Gravity

Our Solar System

Activity 1.1: Create Your Own Mnemonic

Astronomers and Astronauts

Scripture Copywork

☐ **Daily Assignment:**

Minibook Activity

Satellites

Crossword Vocabulary Review

☐ **Daily Assignment:**

Activity 1.2: Build a Model Solar System

What Do You Remember?

Coloring Pages

PARENT GUIDE

USING THIS ASTRONOMY NOTEBOOKING JOURNAL

This notebooking journal was specifically designed to help your young scientist navigate, investigate, and create unique materials that support the textbook *Exploring Creation with Astronomy, 2nd edition* by Apologia. Please take a moment to familiarize yourself with each section.

SUGGESTED DAILY SCHEDULE

A suggested schedule for reading *Exploring Creation with Astronomy, 2nd edition* and completing the activities contained in both the textbook and this journal has been provided. The schedule is flexible and should be adjusted to fit your family's goals. It also includes the activities found in the Apologia Science Kit. If you did not purchase the kit, you may ignore these assignments.

FASCINATING FACTS AND PERSONAL REFLECTIONS

Young scientists should be regularly encouraged to document their expanding knowledge as a means to aid their retention of important facts. This notebook provides plenty of space for students to record and illustrate fascinating facts that they learn from their textbook. Students should be encouraged to read an assignment, discuss what they've learned, and write, in their own words, what they remember. Additionally, this notebook is meant to be a personal journal for your student. Most science courses fail students in that they only present facts and do not ask students to internalize what they are learning and what it means to them in their lives. This section of your student's notebook allows your student to journal personal reflections on God's amazing creation. Apologia recommends that parents encourage their students to realize that they have a unique place in creation and that science is a way to understand their world.

SCRIPTURE COPYWORK

Science is the endeavor of explaining the truth of the world around us, and God is the source of both creation and truth. Incorporating the Word of God into your science studies through Scripture copywork will encourage stronger faith while practicing handwriting. Each lesson has a corresponding verse for your child to copy in both print and cursive.

ACTIVITY DOCUMENTATION

Young scientists should be encouraged to practice a simplified scientific method by documenting the process and outcome of each textbook activity. Specific documentation pages are provided in this notebook for every textbook activity. Studies have shown that students who understand the scientific process also understand logic. Applying logic to life's situations is a valuable tool to have.

MINIATURE BOOKS

The miniature books are designed to be a fun way to assist student review and retention of the concepts learned in each lesson. Paste pages are included for each miniature book to preserve and display them.

VOCABULARY REVIEW

Vocabulary review pages are provided to help reinforce new words and concepts. Answers can be found in the appendix of this notebook.

TAKING IT FURTHER

Many students will choose to read outside materials, watch videos, and visit places that are relevant to this course. Additionally, if you purchased the Apologia Science Kit that corresponds to this title, there are extra activities for your student. This notebook provides a space for your student to document these resources and activities. There is no set requirement for these pages, and we encourage students to use their imagination.

“WHAT DO YOU REMEMBER” REVIEW QUESTIONS/COLORING PAGES



“What Do You Remember?” questions are only found in the textbook. This junior notebooking journal provides two coloring pages for your younger student, and Apologia recommends that you verbally review the materials together while your student enjoys coloring.

FINAL REVIEW

At the end of this notebooking journal are questions that review the entire course. They can be answered verbally or as a written assignment. We recommend that this not be used as a test, but rather as a way to help children realize all that they have learned during the school year. Since these questions are *not* included in the textbook, answers to these questions can be found in the appendix of this notebook.

LESSON 1

WHAT IS ASTRONOMY?



ASTRONOMY

Fascinating Facts and Personal Reflections

A large, semi-circular graphic with a blue border, containing a dotted-line box on the left and a writing area with horizontal lines on the right.

A series of horizontal lines for writing, including solid top and bottom lines and a dashed middle line.



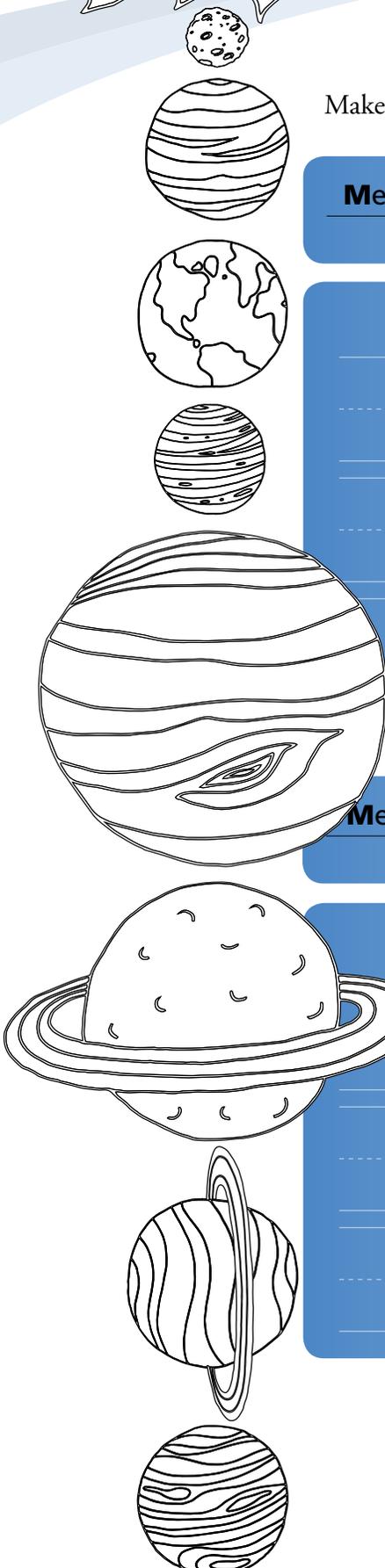
Handwriting practice area with multiple sets of horizontal lines (solid top and bottom lines, dashed middle line) and a vertical dotted line for alignment.



Activity 1.1

Create Your Own Mnemonic

Make your own mnemonic to help you remember which order the planets come in.



Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
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Write your serious sentence here:

Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
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Write your silly sentence here:



COPYWORK

*The heavens are telling of the glory of
God; and their expanse is declaring the
work of His hands.*

Psalm 19:1

Handwriting practice lines consisting of solid top and bottom lines with a dashed midline, repeated ten times.



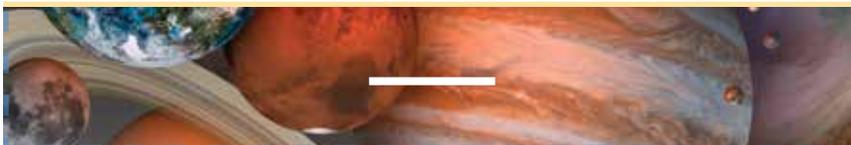
what is astronomy MATCHBOOK



ASTRONOMY

STEP 8:

Apply glue to the shaded area here
and attach to the “Astronomy
Minibooks” page.



INSTRUCTIONS:

1. Remove minibook pages from your notebook.
2. Cut out the matchbook cover along the dotted lines. Do not cut the gold fold lines!
3. Fold along the gold lines so that the large Solar System flap and the small flap face outward in the same direction.
4. Cut out all eight squares on the following pages and fill in the information from Lesson 1.
5. Lift the large flap and place all the pages you created under the small flap.
6. With the large cover flap open and your eight pages under the small flap, staple your matchbook on the white line that crosses the center of the small flap. This will hold all your pages inside. Do not staple the cover closed!
7. Fold the large flap down and tuck it into the small flap, like a matchbook.
8. Glue onto your “Astronomy Matchbook” page.



ARTIFICIAL SATELLITES



HUBBLE



GALILEO



NASA





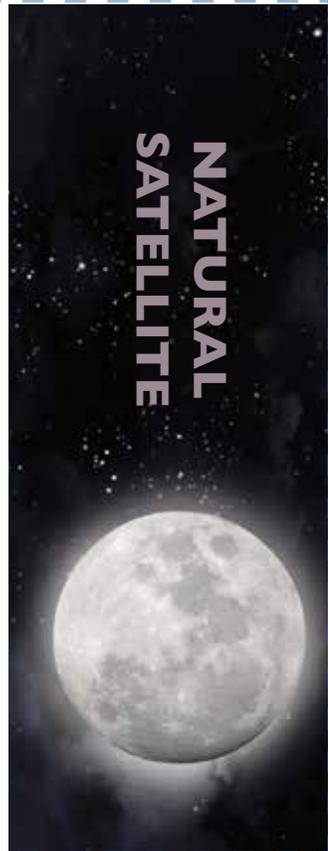
CONSTELLATIONS



STONEHENGE



**NICHOLAS
COPERNICUS**



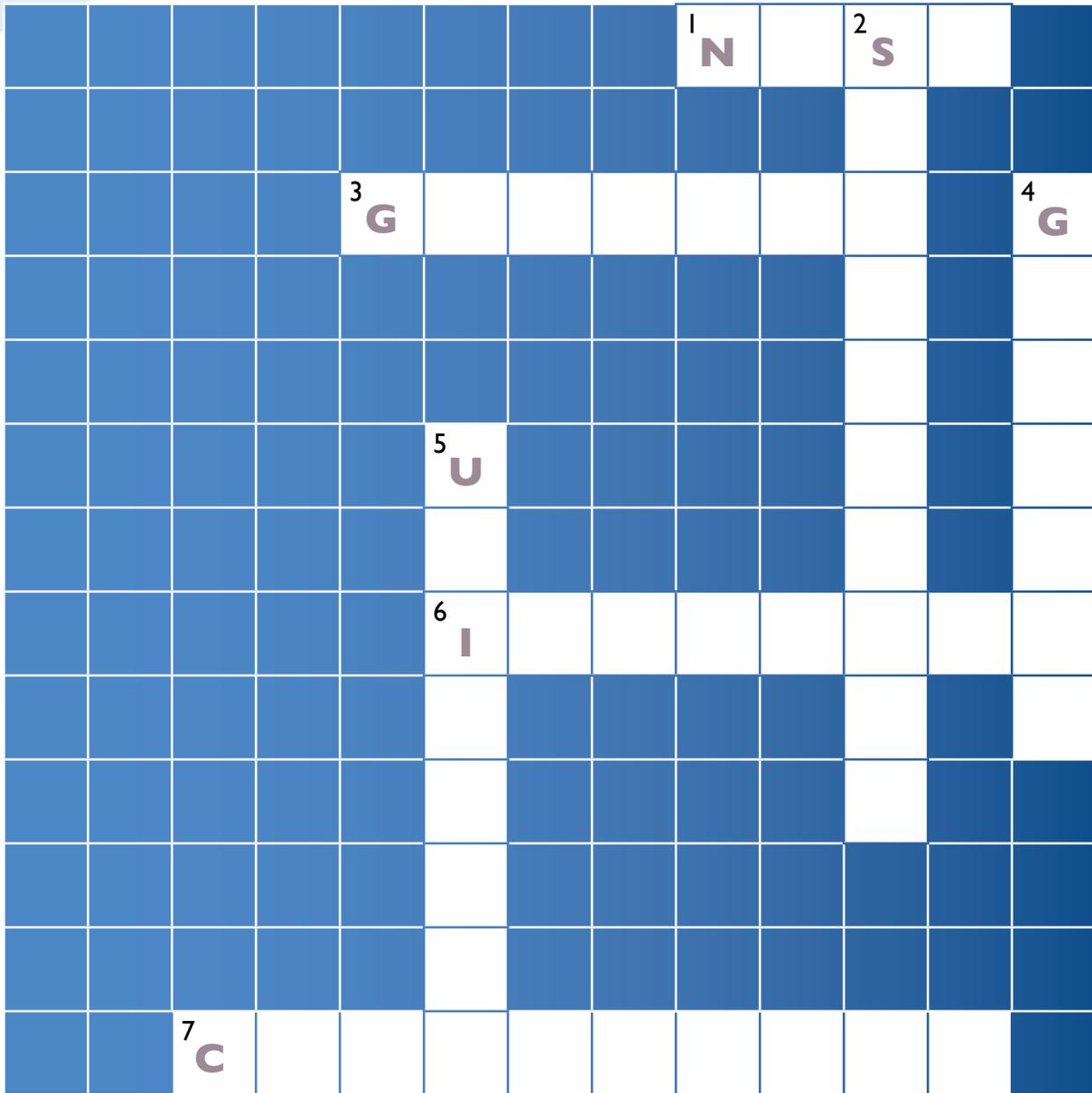
**NATURAL
SATELLITE**



what is astronomy **MATCHBOOK**

Attach your matchbook here.

ASTRONOMY CROSSWORD



NASA
GALILEO
COPERNICUS
INSTINCT
UNIVERSE
STONEHENGE
GRAVITY

ACROSS

1. America's space agency, called the National Aeronautics and Space Administration.
3. A scientist who built telescopes and studied astronomy.
6. A special gift God gives to creatures, causing them to behave in a certain manner that is helpful to their survival, such as with birds flying south for the winter.
7. A scientist who discovered that the Earth revolves around the sun, rather than the sun revolving around the Earth, as was believed at the time.

DOWN

2. An ancient monument in England that may have been used to predict the arrival of spring and other seasons.
4. A physical force causing objects to pull on other objects, such as with the sun pulling on the Earth.
5. Everything that exists in space, including the Earth, planets, sun, and stars.



Take It Further

Fill this page with colorful drawings and lists of books you read about astronomy, movies you watched, and any additional experiments you performed.



Take It Further

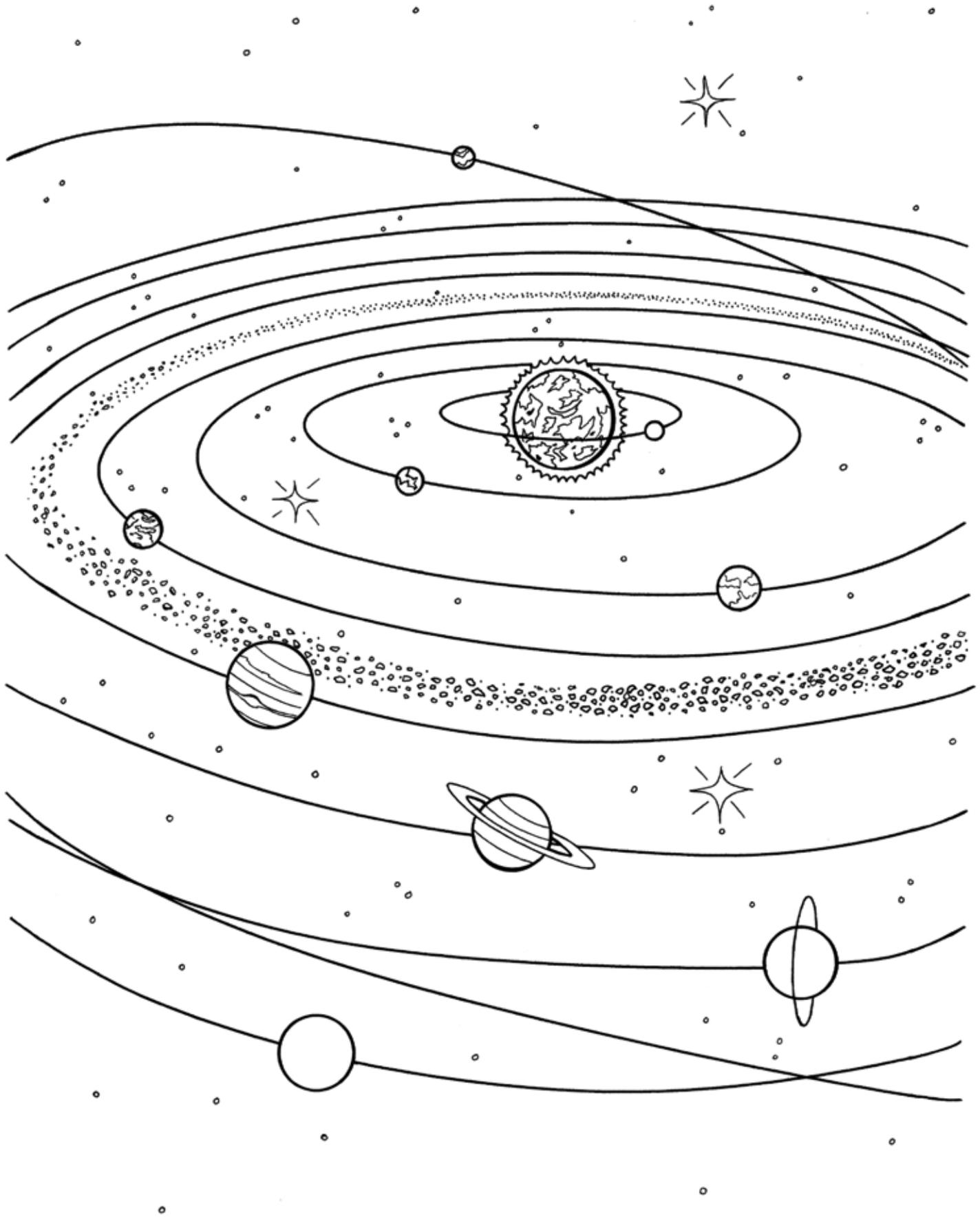
Make a scrapbook page of your journey so far.





After hearing the king, they went their way; and the star, which they had seen in the east, went on before them until it came and stood over the place where the Child was.

Matthew 2:9



*By the word of the Lord the heavens were made,
And by the breath of His mouth all their host.*

Psalm 33:6