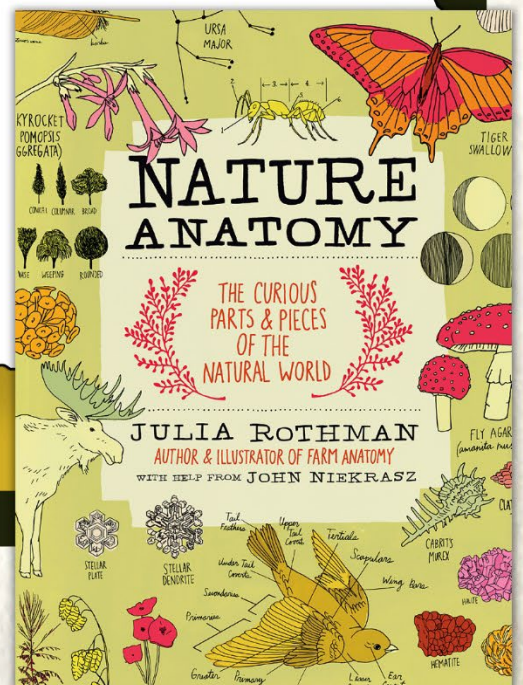


For Grades 3-12

NATURE

Companion Guide for NATURE ANATOMY

Ignite an interest in science
as students record their discoveries!



Nature Notebook

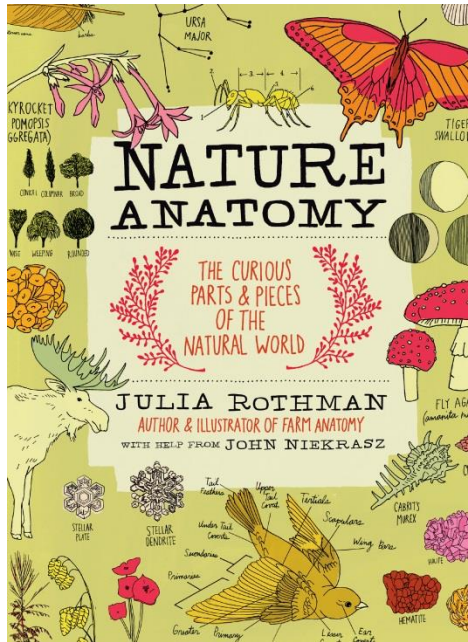
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See the world in a whole new way! Acclaimed illustrator Julia Rothman combines art and science in this exciting and educational guide to the structure, function, and personality of the natural world. Explore the anatomy of a jellyfish, the inside of a volcano, monarch butterfly migration, how sunsets work, and much more. Rothman's whimsical illustrations are paired with interactive activities that encourage curiosity and inspire you to look more closely at the world all around you.

Learn more: <https://www.storey.com/books/nature-anatomy>

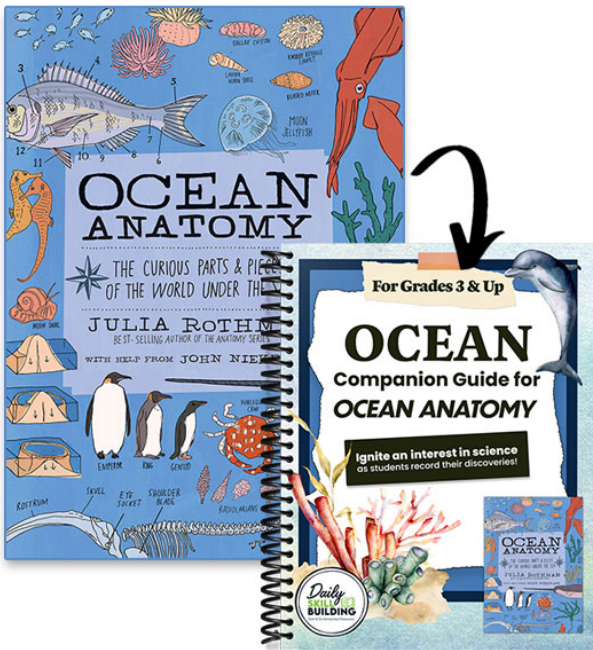
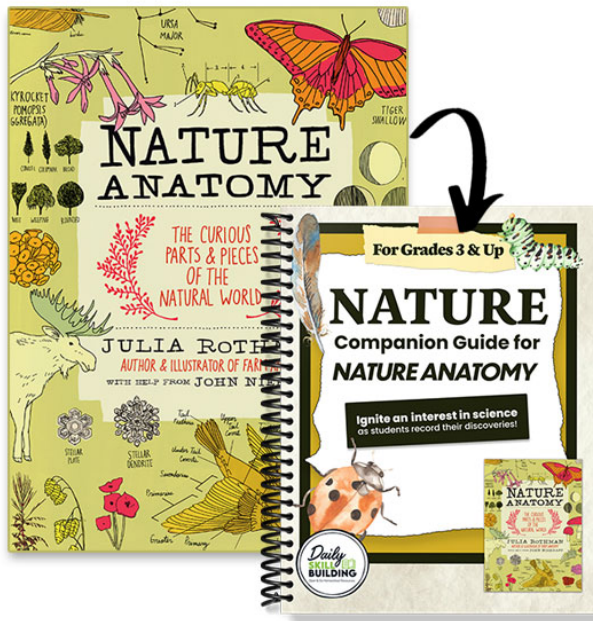
Also recommended: [Nature Anatomy Notebook](#) - A Place to Track and Draw Your Daily Observations *by* Julia Rothman

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Julia Rothman Companion Notebook Series

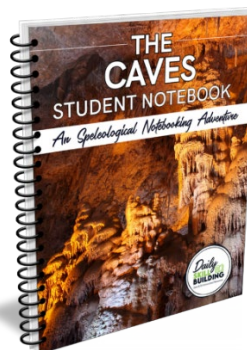
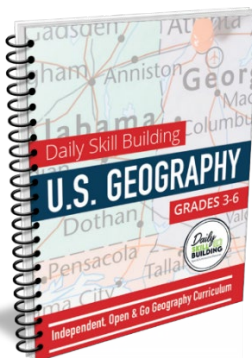
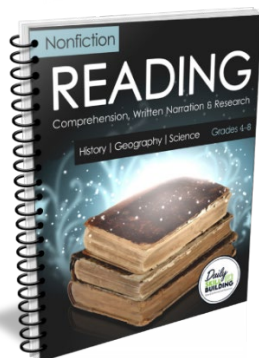
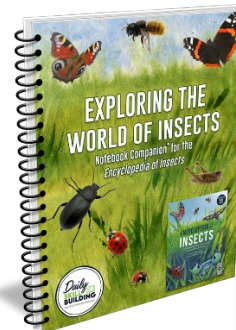
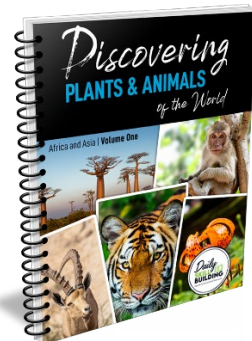
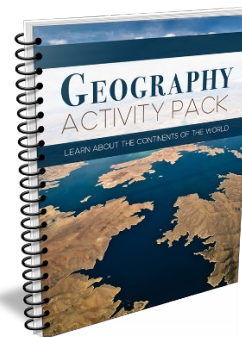
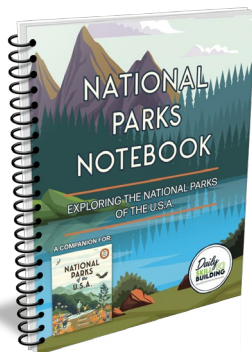
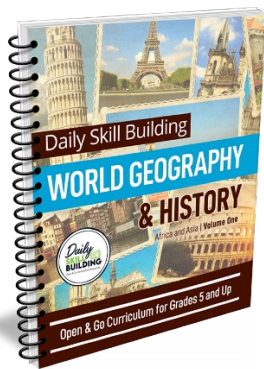
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CHAPTER ONE

COMMON GROUND

In this chapter of *Nature Anatomy*, you will learn about the earth's rotation, layers of the earth, rocks and minerals, fossils, landforms, mountains, and more.

CHAPTER ONE PARENT NOTES

Use this space to write down any field trip ideas or activities you'd like to add to your studies.

A large rectangular box with a thin gray border, intended for writing field trip ideas or activities. A large, light gray 'SAMPLE' watermark is diagonally across the box.

ROTATION

Read pages 12-13 of *Nature Anatomy* and fill in the blanks below with the information you learn. On the following page, color in the earth's rotation and label according to the chart. Draw the sun and label the seasons.

How many miles per hour does the earth spin on its central axis?

How many revolutions per day does the earth spin? _____

What causes the four seasons? _____

How many miles is one orbit around the sun, and how long does it take the earth to make the journey?

Explain why summer is warmer than winter in each hemisphere.

MINERALS

Read about minerals on pages 16-17 of *Nature Anatomy* and answer the following questions.

What are minerals?

What is one of the most common minerals on earth that is naturally formed?

Explain the process of crystallization:

THE ROCK CYCLE AND TYPES OF ROCKS

Draw a picture of the rock cycle as illustrated on page 18 of *Nature Anatomy*. Be sure to add the notes and all the labels.



Explain the rock cycle. _____

LANDFORMS AND MOUNTAINS

Learn all about landforms on pages 22-27. Write what you learn in the left column under the name of the landform and draw a picture of it in the blank space on the right.

Canyon

Cataract

Delta

Draw a picture of a sandy shore using page 32 of *Nature Anatomy* as a reference.



What did you learn about sandy shores?

FIELD SUCCESSION

Read about field succession on pages 36-37 of *Nature Anatomy*.

What is field succession?

Draw a picture of an example of field succession as found on pages 36-37.



UP IN THE ATMOSPHERE

Read about the atmosphere on pages 42-43 of *Nature Anatomy* and write about what you learn below.

What does the atmosphere encompass? _____

Troposphere: _____

Stratosphere: _____

Mesosphere: _____

Thermosphere: _____

Exosphere: _____

ANATOMY OF A FLOWER

Study the parts of a flower on page 62 of *Nature Anatomy* and list the part name and definition below.

FLOWER PART	DEFINITION

Draw a picture of a flower and include the parts as shown on page 62.



BUTTERFLIES

Study the chart of butterfly families found in North America on page 70 of *Nature Anatomy*. Look up a picture of each type of butterfly and draw it in the box provided.

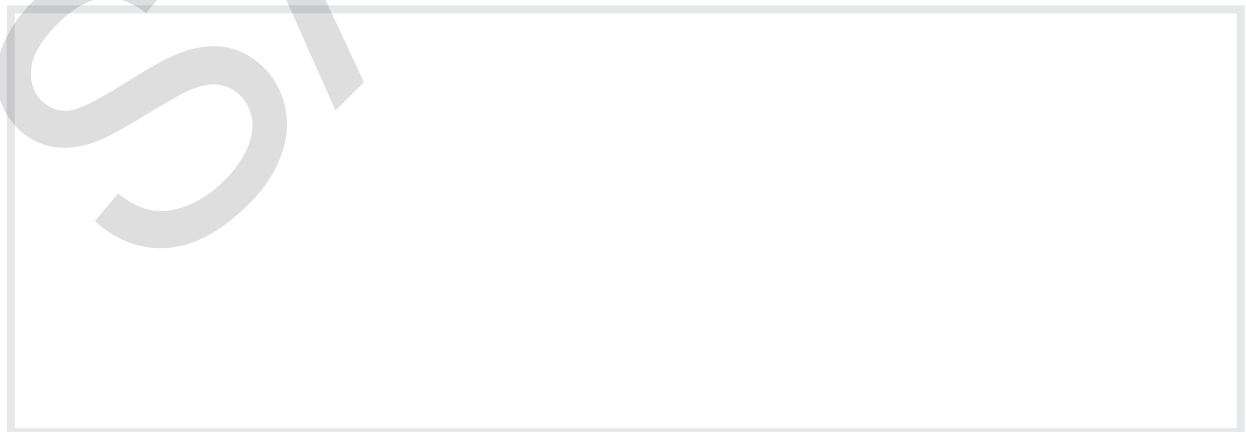
BUTTERFLY FAMILY	DRAW A PICTURE	CHARACTERISTICS
Swallowtails		
Brush-footed		
Whites + sulphurs		
Gossamer-winged		
Metalmarks		
Skippers		

ANATOMY OF AN ANT

Study the parts of an ant on page 94 of *Nature Anatomy* and list the part name and definition below.

ANT PART	DEFINITION

Draw a picture of an ant and include the parts as shown in *Nature Anatomy*.



MUSHROOMS

Read the information on mycelium on page 122 of *Nature Anatomy* and write a summary of what you learn below.

Look up the mycelium mentioned that is found in eastern Oregon and do some additional research on it. Write what you learn below.
