



# Everyday Discipleship

Phil Miller

The older I get, the more I see the truth in the adage “more is caught than taught.” I find it instructive that Jesus did not call His disciples by saying, “Come, *listen* to Me.” Rather He called them to “follow Me.” The combined effect of observing His actions and absorbing His instruction resulted in powerful discipleship.

I am amazed at what my children learn just by watching. I recently observed my son completing a task he had not done before and for which I had given no guidance. He did it exactly the way I always do. We can talk and instruct, but sometimes it seems they catch so little of it. I can talk about the benefits of a tidy room, but my son’s room can look a lot like my desk!

This was true of Jesus’ disciples too. Time and again He taught, yet they didn’t seem to get it. But in time, as they walked with Him and watched Him live, there came a day when most of them gave their lives for His kingdom. They truly understood.

Paul said, “Follow me as I follow Christ.” Am I willing to say that? Or would I rather say, “Do as I say, not as I do”? Fathers, if we desire our children to become disciples of Christ, we must first *be* disciples. We must model the behavior we desire them to demonstrate.

Do you want them to love to sing? Then sing yourself with joy and zeal and sincerity. Do you want your sons to respect their mother (and someday their wives)? Love and respect your wife with all you have.

Do you want them to love going to church? Demonstrate a genuine love for the brotherhood and a desire to be there. All the talk in the world about loving church and its people will teach nothing if my children see me easily absent or critical of what is said.

The Scripture is clear that talking and instructing are important. But our words can be rendered ineffective if we are not *being* what it is we instruct our children to do. We must be real and true, through and through.

That doesn’t mean we must be perfect. Our children learn soon enough that no one is. Rather, by admitting mistakes and adjusting behavior, we humbly live out the values we desire our children to learn.

As a disciple of Christ, I know the way by learning how He walked when He was here and listening to His teachings. As I emulate His ways, those who follow me also see the way. And when my “disciples” see that what I *do* lines up with what I *say*, they, too, will truly understand.

Maybe I had better go clean up my desk.



# New! Sunrise Science 4

## Available October 2024

Sunrise Edition Science 4 is not listed in our current catalog, but we are releasing it this fall so that it is available for those who want to use it in the 2024-25 school term.

We plan for the new course to be available in October 2024. While this is after the start of the school year, Sunrise Science 4 can be completed in one semester because it is a five-LightUnit course. You may order it now, and we will ship it when available. It will be several years until Sunrise Science 3 is available.

Sunrise Edition Science 4 exposes students to the wonders of God’s creation, beginning with a study of plants and animals. Students learn about God’s gift of the earth, as well as weather and the majesty of the planets and constellations. Students conclude their study with an introduction to the principles of matter, energy, sound, light, magnetism, and electricity.

The course consists of a colorful hardcover textbook, five LightUnit workbooks, and two Answer Keys (both required). One Answer Key includes LightUnit pages with answers filled in, and the other contains answers for quizzes and tests.



### 2.1 What Are Mammals?

#### Vocabulary Words

**species:** a group of related plants or animals of a particular kind



Cheetahs eat ticks on Cape buffalo and alert.

The African savanna is a vast rolling, grassland with scattered trees. It is home to many vertebrates, or animals with backbones. The abundant grass provides food for elephants, wildebeests, zebras, and other herbivores. These animals must watch out for carnivores such as lions and cheetahs.

Birds live on the savanna too. Weaverbirds build massive nests that look like haystacks hanging in the trees.

Other vertebrates live in pools or rivers on the savanna. Crocodiles lurk in or near the water, in the water’s edge.

During the rainy season, African bullfrogs lay their eggs at the edge of a pool. Killifish also lay their eggs in shallow pools, but when the pools dry up, the killifish die. Their eggs stay in the dried mud and hatch when the rains come again.

These are only a few of the vertebrates that live on the savanna. Vertebrates can be divided into five types: mammals, birds, reptiles, amphibians (am’f’i-bee-eez), and fish.

#### Many Kinds of Mammals

On the African savanna, a huge gray mammal lifts its long nose into a tree, but the leaves are too high. The animal backs away, lowers its powerful head, and slams the tree to the ground. Now the hungry elephant can eat the leaves. Elephants are the largest, strongest land mammals and need to eat about 300 pounds (136 kg) of food every day. Scientists have identified more than 5,000 species of mammals. Mammals on the savanna include giraffes, hyenas, gazelles, and buffalo. But not all mammals have four legs and live on land.

The smallest mammal is a tiny bat only about 1 inch (2.5 cm) long. The largest mammal, the blue whale, can grow to 100 feet (30 m) long and weigh as much as thirty-three elephants. What classifies these animals as mammals? How are they alike?

#### Characteristics of Mammals

- Mammals are vertebrates.
- Mammals are warm-blooded.
- Mammals have hair.
- Mammals give birth to live young.
- Mammals feed milk to their young.



An adult killifish is about 6 inches (15 cm) long.

Giraffes can grow up to 18 feet (5.5 m) tall.



Chapter 2 21

## Science 4 textbook sample pages

#### Explore It

Go outside and measure the length of an adult blue whale. Mark the beginning and ending point. Then mark the length of a baby blue whale (23 feet or 7 m) beside it.

**Mammals are vertebrates.** Every mammal has a skeleton inside its body. Attached to its backbone are a skull and bony rib cage that protect the mammal’s brain, heart, and lungs.

An elephant has a long backbone and thick leg bones to hold up its great weight. Adult male elephants can weigh over 6 tons (5,440 kg) and measure 11 feet (3 m) tall at the shoulders.

The nose, or trunk, of an adult elephant is about 5 feet (2 m) long and is made of muscles rather than bones. An elephant’s trunk is powerful enough to pick up a heavy log but also sensitive enough to pluck a leaf from a tree.

African elephants have two long teeth called tusks that can grow to be about 6 feet (2 m) long. Elephants use their tusks to lift objects, dig for roots or water, and defend themselves.

**Mammals are warm-blooded.** A mammal’s temperature stays the same all the time—around 100°F

An elephant calf is about 3 feet (1 m) tall when it is born.



(38°C)—even in cold weather. Since elephants live in hot places, they need ways to keep cool. One way they cool off is by spraying water over their backs. They can also fan their huge ears back and forth, which cools the blood flowing through the many tiny blood vessels in their ears.

**Mammals have hair.** Thick, warm fur covers the bodies of many mammals like rabbits, bears, and cats. Other mammals such as pigs and elephants have only a few stiff bristles of hair. An elephant calf has a thin layer of hair, but most of it falls out as the calf grows older.

**Mammals give birth to live young and feed them milk.** Many mammal babies look like a small version of their parents. An elephant calf weighs 200 pounds (91 kg) at birth and can walk when it is less than one hour old. It depends on the species.

It depends on the species. It depends on the species. It depends on the species.

#### Groups of Mammals

Mammals are classified into groups based on their characteristics. Some mammals can walk or swim, but the only mammal that truly flies is the bat.

Most mammals can walk or swim, but the only mammal that truly flies is the bat. Its wings are flaps of skin stretched between its front and back feet. Bats sleep during the day, hanging upside down from their back legs with their leathery wings folded around them.

The platypus is an odd-looking mammal that lives in Australia. It has a bill and webbed feet like a duck, a tail like a beaver, and fur like an otter.

It is also one of the only mammals that lays eggs. When platypus babies hatch, they are blind, hairless, and about the size of a lima bean. But in four months, they can swim and catch small water animals.

A blue whale is the largest mammal in the world. It has lungs like other mammals, but it breathes through a blowhole on the top of its head. Instead of having teeth, blue whales have sheets of baleen that look seaweed that like teeth on a comb.

Baleen is made of a tough material similar to your fingernails. A blue whale uses its baleen to filter food from the water.

### Unusual Mammals

Some mammals might look like they belong to a different group of vertebrates. However, they are classified as mammals because they share most of the characteristics of other mammals.

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An orangutan is a primate that lives in rain forests.



Primates, such as monkeys, apes, and lemurs, are more intelligent than many animals. They also have better eyesight and memory than many other mammals. Many primates live in trees, where they swing easily from branch to branch with their nimble hands and feet. Each hand or foot has five fingers or toes. Most primates are omnivores.

Hoofed mammals have hard, thick hooves that protect their feet and help them run fast. Some mammals, such as cattle, deer, and giraffes, have divided hooves with two toes. Other mammals, such

#### Did You Know

Elephants were once hunted for their beautiful ivory tusks. Because so many elephants were killed, they were in danger of becoming extinct. Today laws help protect the elephant population.



A rhinoceros has three toes on each foot.

as horses, zebras, and rhinoceroses, have an odd number of toes on each foot. Most hoofed mammals are herbivores.

Pinnipeds, such as seals and walrus, have flippers and smooth bodies. They live in the ocean but come to land to raise their young or to escape from predators in the water. They walk clumsily on land with their flippers but swim gracefully. Pinnipeds are carnivores; they eat fish, crabs, squid, and other prey.

God designed a variety of mammals to live all over the world. Mammals can be found in forests, grasslands, deserts, mountains, and even oceans.



A seal can walk and swim with its flippers.

#### Explore It

In your Nature Notebook, make a list of the mammals you have seen in your neighborhood. Include both tame and wild mammals you have seen.

## Course Components

- 1 Textbook \$42.95
- 5 LightUnits \$22.00
- 1 Answer Key \$8.25
- 1 Quiz and Test Answer Key \$5.10

#### Study Questions

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1. What are the five characteristics of mammals?
2. Which group of mammals have hands and feet with fingers and toes?
3. What do pinnipeds have instead of legs?
4. Think of two kinds of mammals. How are they alike? How are they different?

Chapter 2 25

# Science 401 LightUnit sample pages

Section 2 *Vertebrates: Animals With Backbones*

## What Are Mammals?

Textbook pages 20-25 | Lesson 6

Read 2.1 "What Are Mammals?" on pages 20-25 of the textbook.

### Exploring the Lesson

**A Circle the letter of the answer to the question.**

- What does the vocabulary word *species* mean?
  - the ways animals are similar or different
  - how many types of mammals live on the savanna
  - a group of related plants or animals of a particular kind

**B Complete each sentence to list five characteristics of mammals.**

- Mammals are \_\_\_\_\_.
- Mammals are \_\_\_\_\_.
- Mammals have \_\_\_\_\_.
- Mammals give \_\_\_\_\_.
- Mammals feed \_\_\_\_\_.

**C Write the letter of each feature of the elephant beside its description.**

- \_\_\_\_\_ helps cool the elephant's blood in hot weather
- \_\_\_\_\_ connects to the elephant's skull and ribs
- \_\_\_\_\_ lifts a heavy log or plucks a small leaf
- \_\_\_\_\_ used as weapons or digging tools

a. backbone  
b. large ears  
c. trunk  
d. tusks

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Lesson 6

**F Cross out one animal that does not belong in each group.**

- Pinnipeds:** dolphin, seal, walrus
- Primates:** ape, lemur, monkey, raccoon
- Rodents:** beaver, hamster, goat, squirrel
- Hoofed mammals:** bear, deer, giraffe, rhinoceros, zebra

### We Remember

**G Complete each sentence to list four characteristics of living things.**

- Living things need \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- Living things \_\_\_\_\_.
- Living things \_\_\_\_\_ more of their own \_\_\_\_\_.
- Living things \_\_\_\_\_ to their surroundings.

**H Write the letter of each vocabulary word beside its definition.**

a. carnivore  
b. classify  
c. herbivore  
d. invertebrate  
e. omnivore  
f. vertebrate

\_\_\_\_\_als  
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\_\_\_\_\_ sentence.  
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anges with the outside temperature is

**15**

Lesson 6

**C Circle the letter(s) of the answer(s) to each question.**

- What are the five types of vertebrates?
 

a. reptiles	e. fish
b. octopuses	f. birds
c. amphibians	g. worms
d. insects	h. mammals
- Which two of these animals are mammals?
  - blue whale
  - turtle
  - bat
- Which sentence explains what it means to be warm-blooded?
  - An elephant always feels hot and wants to cool off.
  - An elephant must stand in the sun to keep its body warm.
  - An elephant's body temperature stays about the same all the time.
- Which of these mammals has only a few stiff bristles for hair?
  - pig
  - rabbit
  - bat

**E Write the letter of each group of mammals beside its description.**  
One answer will be used twice.

- \_\_\_\_\_ front teeth keep growing; herbivores
- \_\_\_\_\_ have fingers and toes; good eyesight and memory
- \_\_\_\_\_ have hard thick hooves; herbivores
- \_\_\_\_\_ live in the ocean and have flippers
- \_\_\_\_\_ most have short legs and long tails

a. hoofed mammals  
b. pinnipeds  
c. primates  
d. rodents

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## Contents

### Unit 1

The Wonder of Science and Animals  
Vertebrates: Animals With Backbones  
Invertebrates: Animals Without Backbones

### Unit 2

Characteristics of Plants  
Benefits From Plants  
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### Unit 3

The Earth Close Up  
The Atmosphere of Earth  
Astronomy: The Wonder of the Heavens

### Unit 4

Matter  
Force, Friction, and Simple Machines  
Energy and Heat

### Unit 5

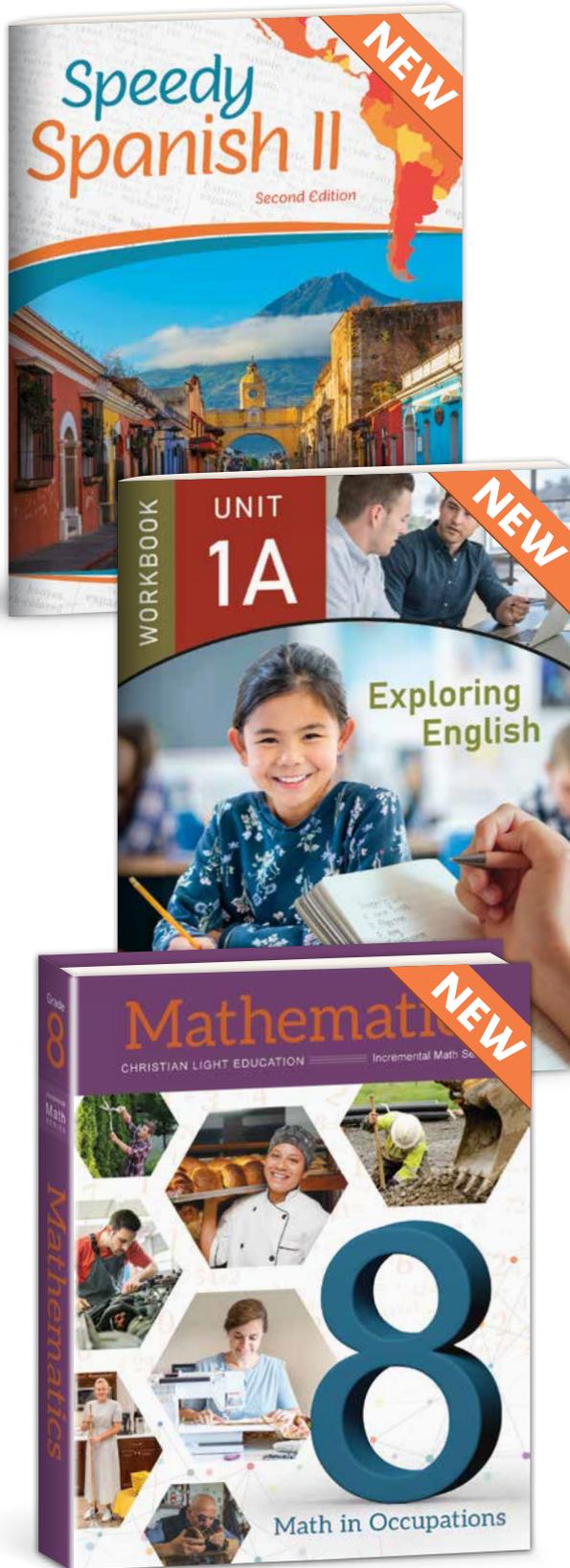
Sound  
Light  
Magnetism and Electricity



I passed out the new textbook pages for Unit 3, and before I realized what he was doing, one student had read pretty much all of it instead of doing his other work. He said it was reeeaaally interesting!  
— a field-test teacher

# More New Courses

Available June 2024



## Speedy Spanish II

This updated course reviews material from Speedy Spanish I and adds more than 500 new words. The workbooks include vocabulary words, practice sentences, matching and fill-in-the-blank exercises, grammar explanations, and reviews and tests. The audio USB drive gives the pronunciation for words, phrases, memory verses, and songs. Speedy Spanish II can be used as a self-study course, though it will be more effective with a teacher.

### Course Components

783406 Workbook A	\$5.10
783407 Workbook B	\$5.10
783408 Audio USB Drive	\$20.95
783409 Flash Cards	\$10.45
783410 Teacher's Guide	\$15.50

## Exploring English

Exploring English is a reading, writing, and grammar course to teach English as a second language (ESL). Some conversation is included. Lessons are designed for Grades 4-8 but may also be used to teach adults. Each unit includes three workbooks (A, B, C), a dialogue workbook, and vocabulary flash cards. The Teacher's Guide provides step-by-step teaching instructions, answers, and activities. When complete, the course will have five units.

### Course Components

225800 Unit 1 Workbook Set	\$26.00
225806 Unit 1 Vocabulary Flash Cards	\$39.50
225808 Unit 1 Teacher's Guide	\$49.50
824825 Sight Word Flash Cards (optional)	\$24.00

## Math 8 Textbook

With the release of the textbook for Math 8 this summer, math textbooks are now available for Grades 4 through 9. You can choose the LightUnit course or the textbook course—whichever you and your student prefer. The textbooks are more colorful and can be reused, while the LightUnits allow students to do their work right on the page.

### Course Components

2073085 Textbook	\$58.75
2073088 Student Material	\$16.35
1073081 Full-Solution Answer Key	\$17.75
1073080 Teacher's Guide	\$64.95

or

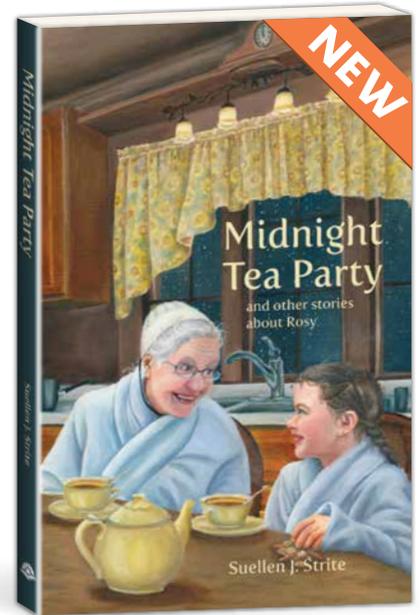
# Midnight Tea Party

Suellen J. Strite

Rosy could hardly wait! Grandmother had asked the girl cousins to take turns sleeping overnight at her house and helping her with cleaning the next day. But that night Rosy couldn't sleep. To Rosy's astonishment, Grandmother exclaimed, "I can't go to sleep either! Let's go out to the kitchen and make tea." It was a midnight to remember as Grandmother and Rosy sipped their tea, crunched on party mix, and told stories.

*Midnight Tea Party* is a collection of twenty stories about eight-year-old Rosy. Did big brother Eddy really put a frog in the bread dough? Can Rosy sew a dress for baby Ashley without Mother's help? And will she finish her homework in time to go on a sleigh ride?

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# Not Made to Fly

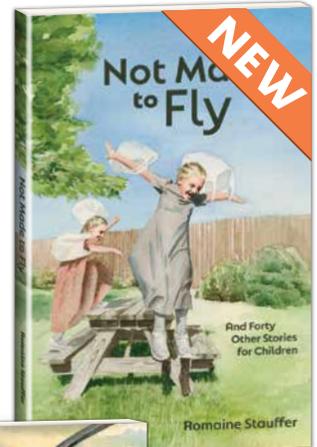
Romaine Stauffer

Children are always ready for another story, and this collection provides a fresh supply of good ones!

Brenda the parachutist, who thought grocery bags would help her fly; Rick the bragger, who couldn't stop tooting his own horn; Clark the scholar, who thought he was happy being miserable; Carrie the crier, who needed a cat to sleep with her; and many more.

The children in these stories invite young readers to learn simple, timeless truths along with them.

265695 **\$10.95** 170 pages, 5¼ x 8¼



# Other storybooks by Romaine Stauffer

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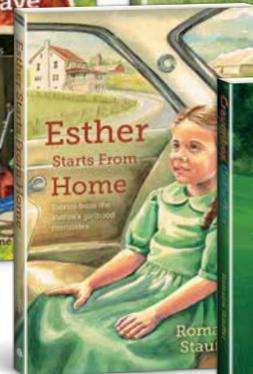
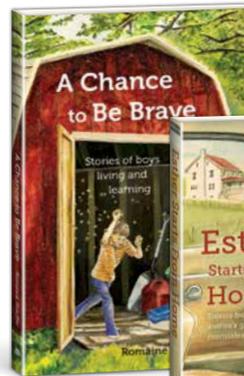
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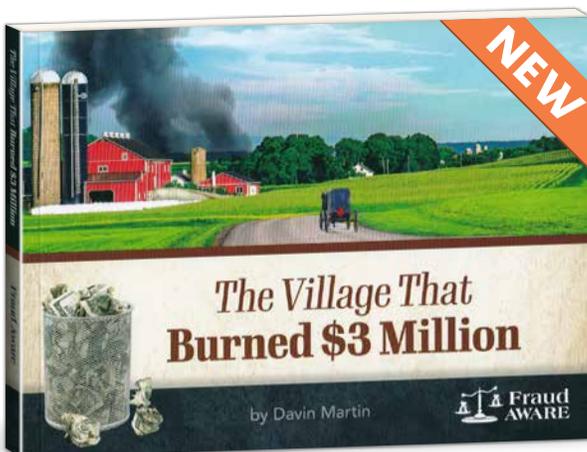
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Davin Martin

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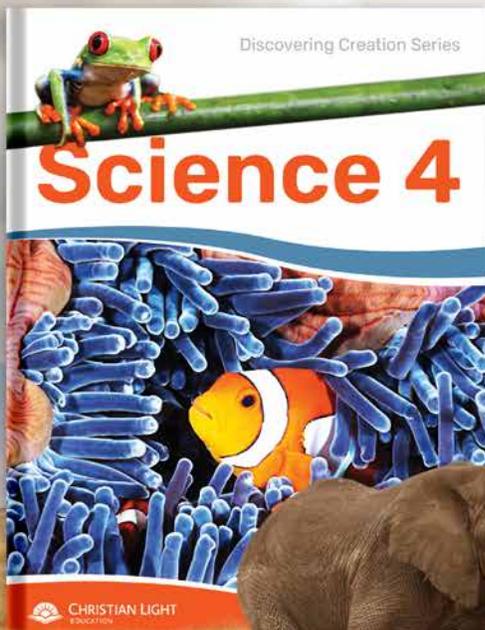
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Cover not final



## Science 4

 **Sunrise Edition**

As children learn more about the wonder and the intricacies of the natural world, they are led to honor our amazing Creator. "Through faith we understand that the worlds were framed by the word of God, so that things which are seen were not made of things which do appear" (Hebrews 11:3).

We have been working toward updating our science courses. A brand-new Science 4 course will be released this fall. See inside for more information.