

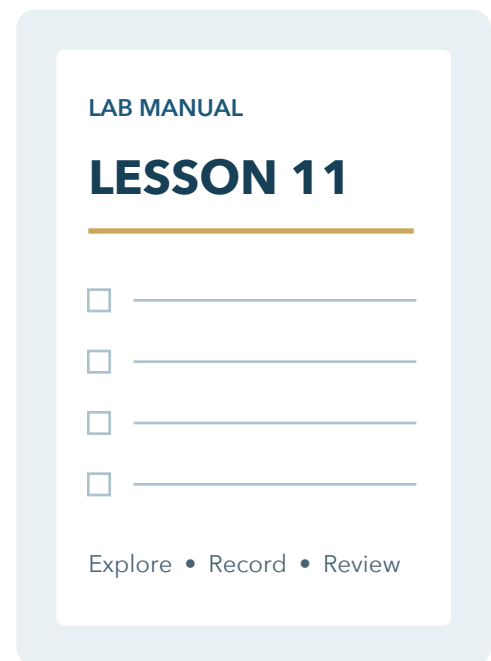
See a real lesson before you decide.

BIOLOGY / LESSON 11

Mammals and Classes and Orders, Oh My!

Explore the variety of God's creation through mammals, from whales and platypuses to primates.

Inside: selected Lab Manual pages with student notes, activities, and review work that accompany the Reader.



The printed Lab Manual is designed for use with the Student Reader, sold separately or together as a set. Experiment supplies are not included.

Easy for you. Fascinating for them. Grounded in truth.

Free PDF sample. No email address required. Share it with another homeschool family.

[Explore the Biology Printed Lab Manual](#)

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Lesson 11: Mammals and Classes and Orders, Oh My!

Goal: To differentiate between a few of the animals in the class Mammalia, including aquatic animals and humans.

Materials Needed

- tape

Suggested Daily Guide

Day 1:

- Read the lesson in your *Student Reader*.
- Read through the “Define It” and “Write It” questions.
- Work on Scripture memory.

Day 2:

- Read through the lesson again.
- Write the definitions or say them out loud.
- Complete the “Write It” section.
- Work on Scripture memory.

Day 3:

- Complete the “Apply It” section.
- Work on Scripture memory.

Day 4:

- Complete the “Research It” section.
- Work on Scripture memory.
- Complete the “Review It” section.

Scripture Memory

Genesis 1:27: “So God created man in His own image, in the image of God He created him; male and female He created them.”

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- 5. marsupial: _____

- 6. nocturnal: _____

- 7. primate: _____

- 8. bipedal: _____

- 9. opposable thumbs: _____

Write It

List the different characteristics of apes and monkeys below.

Apes	Monkeys
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

.....

Apply It

Lab: Do We Need Thumbs?

Your task is to figure out if opposable thumbs are important.

Materials Needed

□ tape



Observation and Question

What do you know about the importance of fingers? How do fingers and thumbs work together to help us complete activities?



Hypothesis

What do you think would happen if you couldn't use your thumbs? What tasks would be difficult? Would anything be easier?



Experiment

1. Tape your thumbs to the side of your pointer fingers. Your fingers should be free to move around, but not your thumbs. With your thumbs taped against your other finger, try to do ordinary tasks like writing. Of course, monkeys and apes don't need to write, but humans do, so you can experience the difference thumbs make. Throughout your experiment (which should last as long as your teacher deems necessary), try to pick up different items. If you have a tree that you climb, try to pull up on a low branch.
2. Try to eat a meal without your thumbs. (You might want to use a plastic cup with a lid for your beverage!) Record what happens here in the "Data and Analysis" section.

3. Your research would benefit greatly if you would try to peel a banana and an orange without using your thumbs.



Data and Analysis

As any good researcher should, record your findings. Create a chart that details what activities you attempted to do without using thumbs. You should note whether each task was simple or difficult and document any difficulty you encountered.

Activity	Easy or Difficult	Notes



Conclusion

Do you think opposable thumbs make a difference in the lives of monkeys, apes, and humans? Why or why not? Was your hypothesis correct?

Research It

Research and write the answers to the following questions:

1. What's the heaviest land mammal? _____

2. What's the fastest land mammal? _____

3. What's the heaviest aquatic mammal? _____

4. What's the fastest aquatic mammal? _____

Review It: Quiz

Fill in the Blanks. Fill in the blanks with the words from the word bank.

1. The order of mammals that includes both apes and humans: _____
2. A type of whale that does not have teeth: _____
3. Another term for nonplacental mammals: _____
4. The type of monotreme that carries its baby in a pouch: _____
5. The largest creatures on earth: _____
6. A type of aquatic mammal that has a long, sleek body and pointed beak:

7. Walking on 2 feet: _____
8. The most well-known monotreme: _____
9. Primarily active at night: _____
10. A type of aquatic mammal that has a rounder body and rounded mouth and nose:

WORD BANK

- | | | |
|------------|----------|----------|
| marsupial | porpoise | dolphin |
| nocturnal | whales | bipedal |
| monotremes | baleen | primates |
| platypus | | |

Keep the discovery going.

You have seen selected pages from the Biology Lab Manual. The full printed manual gives your child a place for notes, activities, experiments, and review work throughout the course.

What else will I need?

Use the Lab Manual with the Biology Student Reader. You can buy the Reader separately or choose the Reader-and-Manual set. Experiment supplies are not included.

Less time preparing. More time discovering.

Explore the course and choose the books that fit your family.

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Still deciding? Get monthly ideas from Karri to teach science with more confidence, curiosity, and less preparation.

Teaching the Curiosities of Creation

Created by Karri Iverson, homeschool mom of five and science educator.