

Kolbe Academy Home School

GRADE FOUR SCIENCE

Science and Living in God's World 4

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Teacher's Notes: Begin every class with a prayer. This is a good way to help the child memorize new prayers. Repeat the same ones every day until they are known. Be sure to explain the meanings of the prayers. Repetition in all areas of study is most beneficial. In most cases, Fridays have been left open. You may do a four day week or use Friday as a "catch – up" day. While art and music should be worked in during the week, Friday is also a good day to concentrate on those subjects.

Your student may not need all of Week 8 for review. You can use this time to catch up if necessary and then go over the subject matter. If you intend to use the sample tests provided, look them over before teaching the subjects and make sure you teach the material in the tests. Some children have a difficult time doing written exams, but it is important for them to learn how to take them. If your fourth grader does poorly on them, give them to him orally a couple of days after he has taken them and average the grades.

COURSE TITLE: Science

COURSE DESCRIPTION:

This course forms an introduction to all the major divisions of science by presenting basic concepts of each, as well as hands – on experiments to reinforce the concepts. The objective of grade four science is to introduce the student to the basic concepts and practices of botany, zoology, biology, physics, chemistry, earth science, and astronomy.

The most important part of teaching science in the early years is helping the student see the wonders of God’s world, and preparing him for in-depth studies in later years. Children learn more from doing experiments than they do from books. It is recommended that you obtain Kolbe’s science experiment book, *Mr. Wizard*, or any other science experiment book to use in conjunction with *Science and Living in God’s World*. Have the student become familiar with the words printed in italics throughout the book. Most of them will appear in the quarterly tests.

Science, like history does not need to be done every day and can be set aside if the student is being challenged by the basics in other subjects. It is recommended that the student have a globe available for use in this book.

SCOPE AND SEQUENCE:

1. Earth and the universe
2. Living creatures
3. Earth’s atmosphere
4. The body
5. Movement of creatures
6. Earth’s natural resources

SKILLS TO BE DEVELOPED:

- ❖ An understanding of science vocabulary
- ❖ The development of the scientific framework of study.

SUPPLEMENTAL RESOURCES:

- ❖ Kolbe Science Experiments Recipe Book
- ❖ *175 Science Experiments*

COURSE TEXTS: *Science and Living in God’s World, 4*

COURSE PLAN METHODOLOGY: *Science and Living in God’s World* is represented by the abbreviation **SLGW**. Each weekly assignment is summarized in the first line of the week’s daily course plan. The specific daily assignments are outlined in the following lines indicated by the **TUES** and **THUR** abbreviations.

Kolbe Academy has worked diligently to create the best possible course plans with the home schooling family in mind. Remember, however, that our program is intended to be flexible. Per the principle of subsidiarity, these course plans are a **suggested** course of study. As the teacher, you should adapt and modify these course plans to meet the individual learning needs of your child. **Do not feel obligated to follow these course plans exactly.**

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1	
SLGW	Pages 5 – 10
TUES	Read and discuss pages 5 – 10.
THUR	Memorize the names of the planets, from the sun outward. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto. An easy way to remember is: My very excellent mother just served us nine pies.
Notes	
WEEK 2	
SLGW	Pages 11 – 14.
TUES	Read and discuss pages 11 – 14.
THUR	Study the picture on the bottom of page 14. Answer the question.
Notes	
WEEK 3	
SLGW	Pages 15 – 19
TUES	Read and discuss pages 15 – 17. Write the answers to the questions on page 17.
THUR	Read and discuss pages 18 – 19. Write the answers to the questions on page 19.
Notes	
WEEK 4	
SLGW	Pages 20 – 23
TUES	Read and discuss pages 20 – 23.
THUR	Write a paragraph about something you learned about the earth.