

Kolbe Academy Home School

GRADE THREE SCIENCE

Science and Living in God's World, Level 3

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Teachers' 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 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 third 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:

Third grade science is a basic introduction to environmental, biological, astronomical, geological, and other scientific studies. The most important part of teaching science in the early years is helping the student see the wonders of God's world, and making him unafraid of the subject when he gets into serious science 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*. 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. The teacher's edition, which is relatively inexpensive, can be very helpful in filling out the lessons.

COURSE OBJECTIVES:

This course is a continuation of the work of the first and second grades in the further development of scientific skills necessary to apply the scientific method:

- ❖ the observation and examination of data
- ❖ experimentation
- ❖ formulations of explanations by means of inventing hypotheses and starting theories
- ❖ testing the explanations

SCOPE AND SEQUENCE:

- | | |
|-----------------------|----------------------|
| 1. Houses | 5. Spring Season |
| 2. Making an Aquarium | 6. Garden |
| 3. Electricity | 7. Science Around Us |
| 4. The Moon | 8. State Parks |

SKILLS TO BE DEVELOPED:

- ❖ Observe and report
- ❖ Keep accurate notes
- ❖ Analyze accurately
- ❖ Measure with precision
- ❖ Observe and describe subtle differences
- ❖ Predict with reasonable accuracy

COURSE TEXT: *Science and Living in God's World*, Level 3

RECOMMENDED MATERIALS:

Kolbe Science Experiments Recipe Book
175 Science Experiments

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 9 – 13.
TUES	Read and discuss pages 9 – 13.
THUR	Compare your house to the ones described on pages 9 – 13.
Notes	
WEEK 2	
SLGW	Pages 13 – 19.
TUES	Read and discuss pages 13 – 19.
THUR	Do the first two experiments on page 30. Explain why it would be warmer close to the ceiling than it is close to the floor.
Notes	
WEEK 3	
SLGW	Pages 20-26.
TUES	Read and discuss pages 20-26.
THUR	Draw a floor plan of your house.
Notes	
WEEK 4	
SLGW	Pages 26 – 32.
TUES	Read and discuss pages 26 – 32.
THUR	Do as many of the suggestions as is feasible.