

# Kolbe Academy Home School

## GRADE TWO SCIENCE

*Science and Living in God's World, Level 2*

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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 second 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:**

Observation of physical phenomena is the essential aspect of Grade Two science. Emphasis should be on the experiments in the book and those provided in the course plan as supplemental material. The teacher's edition, which is relatively inexpensive, can be very helpful in filling out the lessons. 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.

**COURSE OBJECTIVES:**

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

- ❖ naming the hypothesis
- ❖ venturing an educated guess
- ❖ making distinctions between true and false statements
- ❖ writing down the data involved in the experiment
- ❖ duplicating and at times even tripling the experiment to assure oneself of the results
- ❖ keeping accurate notes of the results or effects of the experiments

**SCOPE AND SEQUENCE:**

1. Animals depend on plants for food
2. Insects live in the yard and woods
3. Rocks and soil
4. The sun
5. Plants produce and scatter seeds
6. Travel

**SKILLS TO BE DEVELOPED:**

This course should develop the student's ability to:

- ❖ 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 2*

**Supplemental materials:**

Kolbe Science Experiments Recipe Book

[www.kampf.com](http://www.kampf.com)

*175 Science Experiments*

**COURSE PLAN METHODOLOGY:** Science and Living in God’s World, Level 2 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	
<b>SLGW</b>	Pages 9-11.
<b>TUES</b>	Read pages 9-11. Make a list of the different plants that are in your area.
<b>THUR</b>	Start a science notebook in which the student writes about the experiments he does. Write a paragraph about the plants in the list. The teacher may want to check out the sample quarter tests to make sure the student is writing about the important facts. The notebook can be used to study for the exam at the end of the quarter.
Notes	
WEEK 2	
<b>SLGW</b>	Pages 12-17, Page 36.
<b>TUES</b>	Read and discuss pages 12-17. Begin the first two experiments on page 36, if possible. If there is no rain, continue with that part as soon as it rains.
<b>THUR</b>	Check the experiment(s) begun on Tuesday. Write down the results in the notebook.
Notes	
WEEK 3	
<b>SLGW</b>	Pages 18-23, Page 36
<b>TUES</b>	Read and discuss pages 18-20. Begin the experiment with beans on page 36.
<b>THUR</b>	Read and discuss pages 21-23. Check all experiments and continue to do what is necessary to complete them. Write down the results in the notebook.
Notes	