

# Kolbe Academy Home School

## GRADE ONE SCIENCE *Science and Living in God's World Level 1*

### TABLE OF CONTENTS

I. Syllabus	2
II. Daily Course Plan	
A. Quarter 1	4
B. Quarter 2	12
C. Quarter 3	20
D. Quarter 4	28

**Resale & Copying Policy:** This course plan and all accompanying materials are not intended for resale or copying. Copying represents copyright infringement, which is illegal. Regarding reselling the materials, Kolbe Academy relies upon the continued purchase of our course plans for financial stability. As a Catholic Apostolate, we ask you to refrain from reselling Kolbe's course plans. While we cannot stop you from copying or reselling this course plan, we do strongly implore you not to do so.

**COURSE TITLE:** Science

**COURSE TEXT:** *Science and Living in God's World*, Level 1, Lepanto Press 1956 (T4801)  
*Science and Living in God's World*, Level 1, Answer Key (T4801A) – Optional  
*Science Experiments*, Kolbe Academy Press, 2000 (T5018) – Optional

**COURSE DESCRIPTION:**

The most important part of teaching science in first grade 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 the book. It is recommended that you obtain Kolbe's science experiment book 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 eliminated if the student is being challenged by the basics in the other subjects.

**COURSE OBJECTIVES:**

This course helps the student begin developing 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 which is 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:****Quarter 1:**

Unit 1: God created a world for us.

**Quarter 2:**

Unit 2: God made air and weather.

**Quarter 3:**

Unit 3: God's laws help animals to live.

**Quarter 4:**

Unit 4: God created plants.

Unit 5: God's laws help people to live.

**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 PLAN METHODOLOGY:**

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.**

*Science and Living in God's World, Level 1* is represented by the abbreviation **SLGW**. Each weekly assignment is summarized in the first rows of the week's daily course plan along with the goals and notes for that week. The specific daily assignments are outlined in the following lines indicated by the **DAY 1** and **DAY 2** abbreviations. Parent daily guidelines are given to the left of the student assignments. Most families will use Days 1 and 2 as a Monday/Wednesday or Tuesday/Thursday schooling schedule, alternating with Geography. This leaves Friday open for review, catch-up, field trips, or other activities. A family's schedule can and should vary as needed.

A weekly grade book is included at the end of the week's course plan *as a convenience*. It includes a cumulative list of written assignments from the week's course plan with point values given as a suggestion. Space for additional assignments, if needed, is included. **Kolbe Academy does not require that you keep record of all student work.** If you intend to report your child's work to Kolbe Academy for an official report card, only one sample of written and graded work is required per quarter for each course along with a report card submission. Parents should use the grade book only as a help to their home schooling and not as hindrance. Point values and weighting are suggested for *convenience* and may be modified, dropped completely, or added to as the parent deems fit. Please consult the welcome packet for a full tutorial on using the grade book.

This science course contains 36 weeks broken into four 9-week quarters. Week 8 is considered a review week and week 9 is dedicated strictly to examination. 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. **Each unit has a review page and a test page. The first three reviews and tests are used in the first three quarters. The fourth quarter contains the reviews and tests for Unit 4 and Unit 5.** Some children have a difficult time doing written exams, but it is important for them to learn how to take them. If your first grader does poorly on them, give them to him orally a couple of days after he has taken them and average the grades.

Finally, 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.

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1				
Book	Weekly Breakdown	Goals and Notes for the Week		
SLGW	Pages 3-4	God created the world and light.		
<div style="border: 1px solid black; padding: 5px; min-height: 100px;">                     Notes                 </div>				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	SLGW Do page 3	<input type="checkbox"/>	If you have a globe, show it to the child. Make it clear that it is a very small model of the earth. We live on the earth, which God created for us to make us happy and return to Him at the end of our lives on earth. Creation will be covered next week in Religion, but reinforcement and repetition are good. Have the student answer the questions orally.	
DAY 2	SLGW Do page 4	<input type="checkbox"/>	Discuss the pictures with the student. God created light. Talk about plants and the fact that God created them so they will reproduce under the proper conditions. Plants need light to grow. We need night to get our rest. Have the student answer the questions orally. Have the student color the picture unless you have a younger child who will be using the book later.	
Week 1 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Page 3	<input type="checkbox"/>			
Page 4	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
<b>Week 1 Average</b>	<b>Add up column C &amp; divide by number of included <input checked="" type="checkbox"/> assignments =</b>			<b>%</b>

◆ COURSE PLAN ◆

WEEK 2				
Book	Weekly Breakdown	Goals and Notes for the Week		
SLGW	Pages 5-6	God made the air, land, and water.		
Notes				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	SLGW Do page 5	<input type="checkbox"/>	God created the air and the rain. The air is all around us. We cannot see it, but we need it to breathe. We need water to make plants grow. Have the student answer the questions orally and color the picture.	
DAY 2	SLGW Do page 6	<input type="checkbox"/>	Discuss the picture with the student. Plant beans, water them regularly, and watch them grow. Lima beans are hardy and grow quickly. Have the student answer the questions orally and color the picture.	
	Plant beans	<input type="checkbox"/>		
Week 2 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Page 5	<input type="checkbox"/>			
Page 6	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
<b>Week 2 Average</b>	<b>Add up column C &amp; divide by number of included <input checked="" type="checkbox"/> assignments =</b>			<b>%</b>