Daily Lesson Plans
for
*Exploring Creation with General Science*
(Second Edition)

My Father’s World®
Exploring Creation with General Science, Second Edition

Apologia has earned the reputation of being the premier science course for college-bound students. The text is written in a friendly, conversational style and is easy to understand, even for parents with minimal science background. The simple experiments, user-friendly format, and personal approach set it apart from standard textbooks. The program is written from a Christian worldview and takes a balanced approach toward controversial subjects, examining all viewpoints while explaining the scientific facts behind differing theories.

Apologia science courses appeal to both parents/teachers and students because they are easy to understand, practical, and organized. They also encourage critical thinking skills in an interesting format. We are so confident in this science course that it is the only one we carry for 7th grade through high school.

Dr. Jay L. Wile holds a Ph.D. in nuclear chemistry and a B.S. in chemistry from the University of Rochester. A former university professor, he has won several awards for excellence in teaching and has presented numerous lectures on the topics of nuclear chemistry, Christian apologetics, homeschooling, and creation vs. evolution. In addition, he has published thirty articles on these subjects in nationally recognized journals.

How to Use These Plans

Before beginning this course, parents need to read thoroughly the TEACHER’S NOTES at the beginning of Solutions and Tests for Exploring Creation with General Science. Students need to read thoroughly the STUDENT NOTES at the beginning of the textbook. (Note that the word “lab” refers to the experiments in the text.)

Schedule science four days a week. Monday through Thursday works best, with Friday free or used for catch-up or review. If you find that a lesson is too lengthy, simply end the lesson and resume the following day. By Friday you should catch up with the week’s lessons.

Plan to spend two weeks on each module, which gives 32 weeks for science (or 34 if you use the quarterly tests) – thus allowing several weeks for review or catch-up if needed.

For record-keeping purposes, use the line to the left of “Day 1,” “Day 2,” etc., to write the date the student completes each lesson.

A “Test Scores” sheet is provided so that all test scores can be recorded in one place for a permanent record. Read the paragraph on page v in Solutions and Tests for Exploring Creation with General Science regarding cumulative tests, which are quarterly tests. If you choose to use the cumulative tests, plan to use one day for review, and one day for the cumulative test. These extra days are included in the day count in the lesson plans, but are optional.

CD-ROM Multimedia Companion

The CD provides additional visual instruction, especially valuable for students who are more visually oriented, for students wanting a richer science course, and for parents who want extra help in presenting information. The components of the optional CD-ROM Multimedia Companion are scheduled within these lesson plans. Each CD item is marked with an asterisk (*). Key vocabulary words are listed at the beginning of the lesson plans for each module; the pronunciations are found on the CD. The other items marked with an asterisk (*) are multimedia
instruction, examples, figures, and experiments. **The CD enhancements of the experiments are to be viewed following the experiments.**

**Lab Supplies**

For your convenience we have compiled a master list of all the lab supplies needed for the entire year. (See “Master List: Lab Supplies to Purchase for the Year” in these lesson plans.) The master list does not include items commonly found at home, such as scissors. We recommend that you purchase all of these supplies now, before beginning the school year, so that they will be on hand.

We also list lab supplies for each module at the beginning of each module plan, if you prefer to purchase supplies as needed. The lab supply list for each module does include items commonly found at home. Reminders to purchase and gather lab supplies are given for each module.
Master List: Lab Supplies to Purchase for the Year

Note: The Master List does not include perishable items that should not be purchased far in advance, such as grapes and eggs.

[My Father’s World has reorganized the Apologia supply lists to show an organized master list ordered by the store type most likely to carry the items. Following is an abbreviated sample of the lists.]

Grocery
- □ vegetable oil
- □ maple or corn syrup
- □ coffee filter
- □ 1 pack of chewing gum
- □ … (plus 26 other items not included in this sample)

Hardware
- □ funnel
- □ flashlight
- □ shovel
- □ water hose
- □ … (plus 10 other items not included in this sample)

Office supplies
- □ 2 standard-sized paper clips
- □ magnifying glass
- □ 18 index cards – any size, with or without lines
- □ masking tape
- □ … (plus 12 other items not included in this sample)

Drugstore
- □ tweezers
- □ Vaseline® or other petroleum jelly
- □ rubbing alcohol
- □ iodine (not de-colored)
- □ … (plus 13 other items not included in this sample)

Other
- □ shoebox
- □ nylon stocking
- □ cutting board
- □ baseball, softball, or golf ball
- □ … (plus 19 other items not included in this sample)
Test Scores
*Exploring Creation with General Science*
by Dr. Jay L. Wile

Name ______________________________

<table>
<thead>
<tr>
<th>MODULE #1</th>
<th>Date</th>
<th>Score</th>
<th>Parent Initial</th>
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<tbody>
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<td>MODULE #2</td>
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<td>MODULE #3</td>
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<td>MODULE #4</td>
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<tr>
<td>MODULE #5</td>
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*[All modules are listed in My Father’s World Lesson Plans]*
Module #4: Science, Applied Science, and Technology

Note to the parent/teacher and student:
Optional Quarterly Tests, also called cumulative tests, are scheduled in these daily lesson plans. They will extend the program to thirty-four weeks. (To finish in thirty-two weeks and use the Quarterly Tests, you will need to schedule two five-day weeks every fourth module.) Read the paragraph on page v in Solutions and Tests for Exploring Creation with Chemistry regarding cumulative tests. Please note: Quarterly Tests are found only in the Solutions and Tests manual, not the consumable module test booklet.

☐ Look again at the lab supplies list for Module #4. Be sure you have already purchased any needed supplies.

☐ There are no supplies needed for Module #5.

Lab Supplies for Module #4

☐ wooden pencil
☐ wooden ruler
☐ at least 5 quarters, preferably more
☐ 2 brooms or broom handles
☐ several feet of rope (nylon works best)

__________ Day 25 pages 83-87a
• Introduction
• The Distinction Between Science, Applied Science, and Technology
• ON YOUR OWN 4.1, 4.2

__________ Day 26 pages 87b-92
• Simple Machines
• The Lever
• EXPERIMENT 4.1
  *Further explanation on the CD of Example 4.1
• ON YOUR OWN 4.3, 4.4, 4.5

__________ Day 27 pages 93-95a
• The Wheel and Axle
  *Further explanation on the CD of Example 4.2
• ON YOUR OWN 4.6

__________ Day 28 pages 95b-99a
• The Pulley
• EXPERIMENT 4.2
  *Video on the CD about a block and tackle (Figure 4.8)
• ON YOUR OWN 4.7
Day 29  
- The Inclined Plane  
- ON YOUR OWN 4.8  
- The Wedge  
  *Video on the CD of a wedge in action (Figure 4.11)  
- ON YOUR OWN 4.9

Day 30  
- The Screw  
  *Further explanation on the CD of Example 4.3  
- ON YOUR OWN 4.10

Day 31  
- pages 101b-104  
- The Screw  
  *Further explanation on the CD of Example 4.3  
- ON YOUR OWN 4.10

Day 32  
- STUDY GUIDE FOR MODULE #4

Day 33  
- Review for Quarterly Test #1  
  Review Modules 1-4 on your own. There is no review written in the textbook. Make sure you can answer all the study guide questions for Modules 1-4. (Also see Module Summaries in Appendix B in the textbook.)

Day 34  
- QUARTERLY TEST #1  
  Enter test score on TEST SCORES form.