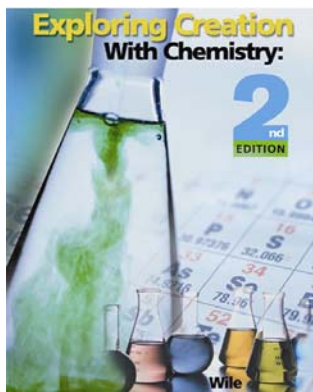


CURRICULUM INFORMATION



Exploring Creation With Chemistry

By Dr. Jay L. Wile

Apologia Educational Ministries, Inc. is proud to present the second edition of its Exploring Creation With Chemistry course. The first edition, originally published in 1995, was the first science course written by Dr. Wile. It took the homeschooling community by storm and set the stage for the rest of Apologia's courses. Now, this award-winning chemistry course is even better!

Scope:

The course covers significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium.

“This is the most fantastic Chemistry course I have ever seen.” (Co-op teacher)

Methodology:

This course was written specifically for homeschoolers. It is designed with the idea that the student is working alone with the course. This means that all of the explanation that a teacher would normally give orally in class is included in the book, step by step. This is also why the course is written conversationally, to make the student feel like someone is speaking directly to him or her. Here is what parents and students have said about our courses:

“This is the first time in our homeschooling experience that my child is completely on his own learning a subject that I know little about. . . Thank you for a great course!” (Parent)

“I'm writing to thank you on writing a very interesting science book. I love how you say things in first person. It makes it feel like you were right there beside me.” (Student)

Labs:

Exploring Creation with Chemistry contains 31 labs covering topics such as density of liquids, specific heat measurement, conservation of Mass, chemical and physical change, Kinetic Theory of Matter, measuring the width of a molecule, limiting Reactants, electrical charge, solubility of ionic compounds, acids and bases, freezing point depression, the Ideal Gas Equation, catalyst effects, Equilibrium, invisible writing and much more.

There is a lab kit available for these experiments. Additionally, if students wish to perform more than 31 labs, there is an “extra” lab kit available that contains 17 labs, 12 of which are referenced in this course.

Pacing:

This text contains 16 modules. Each module should take you about 2 weeks to complete, as long as you devote 45 minutes to an hour of every school day to studying Chemistry. At this pace, you will complete the course in 32 weeks. Since most people have school years that are longer than 32 weeks, there is some built-in “flex time.” You should not rush through a module just to make sure that you complete it in 2 weeks. Set that as a goal, but be

flexible. Some of the modules might come harder to you than others. On those modules, take more time on the subject matter.

Pre-Requisites:

In order to be able to understand this text, the student needs to have completed algebra I. This course is designed to be a first-year high school chemistry course and gives the student a rigorous foundation in chemistry, in order to prepare him or her for a college-level course. Students who take and understand this course will be very well prepared for a tough university chemistry course.

Second Edition Updates:

The second edition of our chemistry course has several features that enhance the value of the course:

- ❖ The illustrations are in color instead of black and white.
- ❖ Dr. Wile has been answering student questions on the course for seven years. Those questions have allowed him to realize what sections of the book could be written more clearly. Thus, this edition of the chemistry course is even more understandable than the first edition!
- ❖ For students who need more practice, there are extra practice problems for each module as well as detailed solutions to those problems in the solutions and tests guide.
- ❖ The student text has graphic icons that tell the student when there is a related multimedia presentation on the optional multimedia CD.
- ❖ The text references an extra laboratory kit that can be used to add about a dozen experiments to the course. These extra labs are not required, but are optional for those students who want more laboratory experience.
- ❖ There is a special website available only to users of the second edition. This website will contain links to web resources such as animations and graphics that will enhance the material in the text.
- ❖ Advanced students who have the time and the ability to learn additional material will be directed to online resources which contain advanced subject matter.
- ❖ The tests in the solutions and tests guide contain a point system that will aid the parent/teacher in grading the tests.
- ❖ There are also cumulative tests in the solutions and tests guide if the parent/teacher wants to give the student quarterly, semester, or final exams.
- ❖ Finally, even though the module tests are found in the solutions and tests manual (so that the parent/teacher always has a copy of them), a second set of tests is also provided in a perforated booklet. This will allow the student to be given the tests without referring to the solutions and tests manual.

Please note that because of the differences between the first and second editions, students in a group setting cannot use both. They must all have the same edition. Because of this, the first edition of the course will still be available for those in schools or support groups that use the first edition.

Available Formats:

Chemistry	ISBN	Price
Text Book Set	1-932012-29-X	\$ 79.00
Text Book Only	1-932012-26-5	\$ 59.00
Test/Solutions Only	1-932012-28-1	\$ 20.00
Full Course CD-Rom	1-932012-30-3	\$ 65.00

Chemistry	ISBN	Price
Companion CD	1-932012-31-1	\$ 15.00
Audio CD	1-932012-51-6	\$ 15.00
Test Booklet	1-932012-44-3	\$ 5.00

For links to more information about course formats, please look under the Chemistry course heading at www.apologia.com.

1106 Meridian Plaza, Suite 220, Anderson, IN 46016 ♦ www.apologia.com
Phone: 888.524.4724 ♦ Fax: 765.608.3290 ♦ Email: mailbag@apologia.com



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Ministries, Inc.