

Course Description: **APOLOGIA SCIENCE: CHEMISTRY 2022-23**

This class will fulfill high school requirements for a chemistry lab class. Topics covered include Energy, Atoms and Molecules, Chemical Equations, Stoichiometry, Molecular Structure and Geometry, and Thermodynamics. Labs will be performed weekly and lab reports will be emphasized. Lab kit will be provided.

Homework: 1 – 1.5 hours per day

**Text :** **Exploring Creation with Chemistry, 2nd Edition** (2 Book Set)  
(Wile & Durnell, Apologia Educational Ministries, 2nd edition, 2003)  
www.amazon.com (~\$65.00 new; purchasing used is fine; 2<sup>nd</sup> edition only; purchase by mid-August)

**The textbook and the Solutions and Tests Manual are required for each student.** The companion CD is not required; it will be used in class, provided by the teacher, for videos, animations and pronunciation of terms. The textbook will be required in class every week, so the book on CD should not be purchased without the textbook too. **All students need to have the second edition of the book** because some labs have changed since the first edition.

The syllabus will be given and structured for a two-semester class and will cover the entire text. Class time will be devoted to conducting experiments and discussion. The first reading assignment will be given and must be completed before the first class. The first module's experiments will be performed at the first class meeting. **A weekly plan will be provided** with a suggested breakdown of daily homework for each module. Questions in the reading will be completed and turned in for grading. Lab reports will be written for all labs; guidelines will be provided. Study Guides and Module Tests will be completed at home and turned in for grading. Tests and lab reports will be turned in, and grades will be calculated using tests, lab reports and homework completion. Each semester will run 14 to 15 weeks, which will be up to the teacher's discretion. Extended assignment schedules may be given during the December/January break between semesters. Students may plan for a two-week break from Science at Christmas.

Cost of class includes supplies but not texts, solutions or test manuals.

Teacher: **Mrs. Aili Grasso** Cost: \$500/year 90 min class

**Thursdays, 9:00 —10:30 am, at Chesterfield Presbyterian Church**

**9Up Student orientation: Aug. 11, 2022 Time TBA**

**Fall semester:\* Aug. 18, 2022 to Nov. 17, 2022**

**Winter semester:\* Jan. 12, 2023 to April 20, 2023**

**\*Please note: 9Up semesters are longer than those for K-8 HSN.**

**This class will be cancelled if it does not reach a minimum of 5 students.**

Mrs. Aili Grasso received her B.S. in Marine Biology from Texas A&M University in Galveston in 1998. Living in land-locked Missouri, she managed to use her biology background while working in labs at American Water Works and Missouri Baptist. She has 3 school age children and also teaches part-time at another local Christian school.