



# Chemistry

## Course Overview:

This course is designed to prepare students for college level chemistry. Students will learn about the transformative aspects of matter and energy through discussion, research, demonstrations, and lab exercises.

Topics include: Measurement, Units, and the Scientific Method; Atoms and Molecules; Atomic Structure; Molecular Structure; Polyatomic Ions and Molecular Geometry; Changes in Matter and Chemical Reactions; Describing Chemical Reactions; Stoichiometry; Acid-Base Chemistry; The Chemistry of Solutions; The Gas Phase; Energy, Heat, and Temperature; Thermodynamics; Kinetics; Chemical Equilibrium; Reduction-and-Oxidation Reaction

## Class Information

<b>Instructor</b>	Virginia Norman, MS
<b>E-mail</b>	Dweedler@gmail.com
<b>Phone</b>	(352)697-1231
<b>Grades</b>	10th or 11th
<b>Prerequisites</b>	Algebra I; Algebra II a plus

## Required Materials

- **Exploring Creation with Chemistry**, 3rd Edition Student Text, Apologia: **ISBN-13:** 978-1-946506-58-0
- Texas Instruments TI-30XIIS Scientific Calculator (recommended). However, other scientific calculators may be used if you already have one.
- Composition Book for notes and experiments
- Lab materials will be provided by the instructor.



## Tuition

Tuition includes Lab Fees

**Self-Pay Tuition:** \$200 due on the first day of the fall semester; \$200 due on the first day of the second semester. If the class is dropped after the third class of the semester, tuition is not refunded.

**LAMP Tuition:** \$400 tuition; if LAMP only provides partial payment, you will be responsible for the rest, which will be due October 19, 2023. Students are required to self-pay for any missed LAMP payments due to dropping after the third class or not meeting LAMP requirements during the semester.

## About Me

I have a BA (linguistics) and an MS (geology) from the University of Florida. I taught upper school science for 8 years at a private Christian school in FL. Classes I've taught include biology, anatomy and physiology, physical science, physics, chemistry, and geology. My husband and I also head a teaching ministry where we talk about how the Bible and science agree. We firmly believe that science is a tool that we can use to understand God's amazing creation.

I am also a wife, mom, all around science junkie, knitter, yogi, and outdoor adventurer.