



Chemistry
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Course Description: Come be a part of Pathways high school chemistry class where we will learn, in a group setting, the basic characteristics of substances and the different ways in which they react or combine with other substances. This course will meet the state requirements for 1 credit in a laboratory science. It is designed to prepare students for college level learning in chemistry. We will meet once weekly to discuss key topics and perform laboratory experiments. Homework assignments, including lab reports, will be given for students to complete independently in preparation for the following week.

Curriculum materials needed to purchase:

- Discovering Design with Chemistry by Dr. Jay Wiles (author of Apologia's Exploring Creation with Chemistry 2nd Ed)
- Answer Key and Test Manual

Topics of Study include:

Measurement, Units and Scientific Method
Atoms, Molecules and their structures
Polyatomic Ions and Molecular Geometry
Changes in matter and chemical reactions
Acid-base chemistry
Kinetics

Prerequisite: Algebra 1

Fee: Chemistry Tuition- \$150.00 per semester.

This course is being offered through Pathways for Scholars which is a cooperative of Vine and Branches Home Educators. In order to take this class, families must be support members of VBHE. In addition the registration and building fees for Pathways for Scholars also apply.

