

High School Chemistry Lab Intensive

9 - 12th grade (5 full days)

Why take this:

For a college preparatory laboratory class, you need a minimum of 35 labs covering 15 specific topics for a 1 credit-point Chemistry lab on their high school transcript. This class with the addition of a separate 3 credit-point Chemistry class will fulfill the student's transcript requirements for a 1 credit chemistry course.

You want to prepare for your Chemistry class or reinforce concepts during or after chemistry coursework.

You want to get the required laboratory out of the way before the school year starts allowing students to devote more time to chemistry book/lecture course work.

You intend to take an AP Chemistry or Modern States Chemistry course and want the applicable credits. (we can discuss)

You are a high school student who needs to complete laboratory work in order to fulfill requirements for graduation.

Saves parents time and the need to purchase, interpret confusing procedures, and then dispose of materials.

What's included

Apron

Lab Manual for 35 labs

All lab Materials

What's covered:

Laboratory Safety

Laboratory Notebook

Advanced computational skills and Data Analysis

Physical and Chemical Changes and Separations

Atoms and their Chemistry

Covalent Compounds and their Molecular Chemistry

Stoichiometry

Solutions

Gas Laws

Acids and Bases

Reduction and Oxidation

Precipitation Reactions

Thermodynamics

Kinetics

Chemical Equilibrium

Sample labs:

Determination of alcohol content of various beverages
Spectral photometry
Density

What's the cost?

\$500

Time frame:

5 days 9:00-4:00

Mon- Friday

2 sessions available

July 13-17 Camp Springs Community Church, Clinton, MD 20735

or

August 17-21 South Columbia Baptist Church, Columbia, MD 8814 Guilford Rd, Columbia, MD 21046