



WEST HARPETH CHRISTIAN TUTORIAL

Middle School Chemistry & Physics

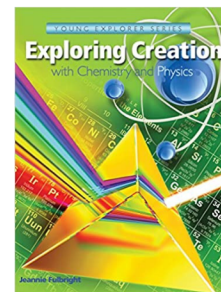
Tutor:

Carol Sartain

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Prerequisites:

- This class is open to middle school students.



Course Description

This course is designed to be a broad introduction to Chemistry and Physics for middle school students.

Topics include the properties of matter, states of matter, atoms, the periodic table, the building blocks of creation, compound chemistry, mixtures, Newton's Laws, energy, sound, light, thermal energy, electricity, magnetism and simple machines.

Learning-by-doing is essential to science! High engagement, hands-on experiments, & STEM activities that teach these concepts will be the primary goal of students' class time.

Books & Supplies

- Physical copy of **Apologia's Exploring Creation with Chemistry and Physics**
 - ISBN - 1935495984
 - there is also an audio version that is available and optional (Physical text is still required.)
- 1" binder w. dividers labeled Notes, Vocabulary, Labs

Commitment

- This course meets once a week.
- Students can expect to spend approximately 2 hours per week on homework.
- The student will be responsible for reading (and/or listening to) the material in the text on a weekly basis. The course covers approximately one half of a chapter (~7 pages) of reading per week.
- Other homework will include filling in chapter notes, vocabulary, videos and lab write-ups.
- One project will be assigned each semester.

A typical class will look like...

Class time will begin with a short overview of the week's lesson and main concept. The majority of class will be spent reinforcing learning with hands-on labs and activities to support the material from their text.