



MS Chemistry & Physical Science

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Prerequisites:

- This class is open to middle school students.
- It is recommended for our 6th-7th grade 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.



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.
- All testing is proctored at home.
- One project will be assigned for the year.



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 the text.



Books and Supplies*

Required:

Physical copy of Apologia's Exploring Creation with Chemistry and Physics
ISBN - 1935495984



Optional:

Apologia's Exploring Creation with Chemistry and Physics



NOTE: You will still also need a physical book.

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1" binder w. dividers
labeled Notes,
Vocabulary, Labs;
colored pencils or
markers

*Lab materials covered by course lab fee.