

Marla Ripps

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Chemistry 2

Description: This course is a more in depth study of the various topics of Chemistry. This course should prepare a student to take the AP Chemistry exam in May. Labs will be performed in class as time permits. Topics covered will be:

- The Atom
- The Electronic Structure of Molecules
- Intermolecular Forces and the Phases of Matter
- Solutions and Colloids
- Solutions and Equilibrium
- Acid/Base Equilibria
- More on Equilibrium
- Electrochemistry (2 modules)
- Chemical Kinetics
- Organic Chemistry (2 modules)

Prerequisites: Must have completed Chemistry 1 and Algebra 2 or higher.

Homework: There is weekly homework that will take approximately 5-10 hours per week to finish plus periodic Module tests and either a final exam or final project (to be determined by the teacher). This amount of work will prepare your student for college. Students must also have access to a computer and the internet and have basic knowledge of computers as I plan to have students submit homework, lab reports, and tests online. In order to cover the amount of material we need to cover, there may be some video lessons with homework assigned to be completed at home before coming to class on Friday.

Text- Apologia Advanced Chemistry 2nd edition **Tuition-** \$315/semester; if year paid in full upfront- \$560. Additional Discounts for multiple classes/siblings if pay for the full year by the first day of class **Supply fee-** \$65 Non-Refundable

