

Chemistry

Instructor: David Cartwright

Grade: 9th-12th

***Pre-Requisite:** Physical science or equivalent is recommended, Algebra I required, and Algebra II recommended

Fees: \$40/month tuition per student, with a one-time lab fee of \$50 for the use of equipment and lab supplies.

Text: *Discovering Design with Chemistry*, Dr. Jay L. Wile;

ISBN: 9780996278461

****The solution and tests book will not be required but would be helpful for parents to have in order to answer questions at home****

Course Description:

This class is an overview of chemistry, and will include studies of kinetics, the periodic table, chemical reactions, the nature of matter, sig figs, thermodynamics, stoichiometry, moles, enthalpy, entropy, etc. It is a lab science course, and lab reports will be due about every month. Students should expect to spend about an hour a day on this class every school day. Problems should be worked every week, and homework over each chapter is due every two weeks. Tests are every two chapters.

***Required materials** are a 3-ring binder to take notes in. Students should always bring their text to class. A scientific calculator is also necessary; but a graphing calculator is better because it can be used for upper-level math courses as well. Students and parents are expected to check their emails at least twice a week.