

Class Name: Chemistry (Honors)

Teacher: Mrs. Houlberg

Grade levels: 10-12th

Class Description: 1 ½ hours—Students will be expected to perform of 4-6 hours of homework per week. This course gives students a rigorous foundation in chemistry. Topics covered are significant figures, units, classifications, the mole concept, stoichiometry, thermo dynamics, kinetics, acids, and bases, balancing equations, solutions, atomic structure, Lewis Structures, molecular geometry, gas laws and more. Labs will be performed throughout the course to reinforce principles being taught. This course also prepares students for college level work and can be followed up with an Advanced Chemistry course.

Prerequisites: Algebra 1, Physical Science, Teacher approval.

Textbook/Author/Publisher:

Exploring Creation with Chemistry (2nd Edition)

Author: Dr. Jay L. Wile Publisher: Apologia Educational Ministries Inc.

ISBN: 1-932012-26-5

Supplies required: Scientific calculator.

Monthly class cost: \$43.00

Materials/lab fee: \$30.00

FLDOE Course code: 2003350

Maximum # of students: Classroom capacity **Minimum # of students:** 2

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