

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-chemistry, thermo dynamics, kinetics, acids, and bases, redox equations, solutions, atomic structure, Lewis Structures, molecular geometry, gas laws and more. Labs will be performed throughout the course to re-enforce 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.

Weekly class cost: \$10.00

Materials/lab fee: \$25.00

FLDOE Course code: 2003350

Maximum # of students: Classroom capacity **Minimum # of students:** 4

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