Chemistry Syllabus, Excel Academy, 2016-2017, Mr. Earley

Text: Active Chemistry, Chapters 1, 2, 4, 6

**Colorado State Standards addressed: HS-PS 2.** Matter has definite structure that determines characteristic physical and chemical properties. **HS-PS-3** Matter can change form through chemical or nuclear reactions abiding by the laws of conservation of mass and energy

**Units**

Lab Safety, The nature of Science and Chemistry

Measurement, Precision and Uncertainty, The periodic Table

Atomic Structure and composition: Basic Atomic Theory

Chemical Reactions and the Law of Conservation of Mass

Elements and Compounds; Molecules, reading a chemical formula

States of Matter, Solutions and Colloids, Density, Polymers

Organic and Inorganic Compounds

Classifying Chemical Reactions

Spectroscopy

Balancing Chemical Equations, making Molar calculations

**Grading and Assessment**

Summative Assessments will account for 80% of the grade, daily assignments and Formative assessments 20%

Grade Scale is the Excel Scale, 90-100% A, 80-89.5% B, 70-79.5% C, 60-69.5% D. Scores lower than 60% will not be considered to have earned a passing grade. ‘+’ and ‘–‘ scores (i.e. B+, C-) will be assigned by the grading program. Current grades, assignment completion, and scores will be available online and posted in the classroom on Thursday afternoons.

Daily assignments and weekly schedules will be posted online.

Course work will consists of a combination of lab activities, online simulations and classroom assignments. Links to web resources will be posted online.

Two Interim tests (week 3, week 7) and a Final assessment will be given, with the Interims each worth 20% of the grade, and the Final 40%

Online tutorials and explanations will be available.

It is the student’s responsibility to stay up to date on their work and to make up missing work.

A link to send a message to me is on the school website. Please maintain good communication with your instructor. [james\_earley@dpsk12.org](mailto:james_earley@dpsk12.org)