**MOUNTAIN CREST HIGH SCHOOL**

 **COURSE OBJECTIVES AND STUDENT EXPECTATIONS**

**I. COURSE:** Chemistry

**II**. **TEACHER:**  Mr. Stacey

**III. COURSE DESCRIPTION:**

This is a first year course designed for students interested in science. It will introduce students to the common topics of a typical high school chemistry course and will give them a strong background in the subject. This will enable the student to pursue subjects requiring general knowledge of chemistry.

 **IV. COURSE OBJECTIVES:**

1. The student will learn the basic concepts and terms involved in a beginning chemistry course. The content will focus on three major areas of chemistry with about a third of the time devoted to each. The areas of focus will be:

a. Structure

b. Interactions

c. Quantification and analysis

2. The student will be shown the uses for basic lab equipment.

3. The student will be taught safe laboratory practices and skills

 **V. TEXTBOOK:** Modern Chemistry (Holt)

 **VI. MATERIALS SUPPLIED BY STUDENT:**

1. Pencil or pen

2. Scientific calculator

3. Notebook for class notes and labs

**VII. EVALUATION AND GRADING:**

The content of the class is broken up into units with learning and performance objectives making up the units. Assessments will be on these individual objectives. Assessments will come in the form of Quizzes, Labs, Homework and Projects.

Grades will be determined at the end of the trimester by calculating the student’s percentage of the total points. The following breakdown of scores will be used to determine the letter grade for the trimester.

A 94-100% B- 80-83% D+ 67%-69%

A- 90-93 % C+ 77-79% D 64%-66%

B+ 87-89 % C 74-77% D- 60%-63%

B 84-86 % C- 70-73%

**VIII. COURSE SEQUENCE AND TIME LINE:** (approximate)

**First trimester:**

Unit One--Matter and Measurements (chp. 1-2) Weeks 1-2

Unit Two--Atomic Structure/periodicity (chp. 3-5) Weeks 3-4

Unit Three--Formulas (Chp. 7) Weeks 5-6

Unit Four—Reactions, Equations, and Stoichiometry (Chps. 8-9) Weeks 7-11

Unit Five—Thermochemistry and Reaction Kinetics (Chp. 17) Week 12

**Second trimester:**

Unit Six--Bonding and structure (chp.6) Week 1-2

Unit Seven –Gases, Liquids and Solids (chp.10-12) Weeks 3-5

Unit Eight--Solution Chemistry (chp13-14) Weeks 6-7

Unit Nine--Acid/Base Chemistry (chp. 15-16) Weeks 8-10

Unit Ten—Oxidation and Reduction, electrochemistry (chp.19) Week 11

Unit Eleven—Nuclear Chemistry (chp. 22) Week 12

 **IX. ATTENDANCE and PARTICIPATION:**

Absences will be handled according to the Utah Compulsory Education law outlined in the student handbook. The following additions will be specific to this course.

1. Participation, which includes absences and tardies, will be the point equivalent of one test score.

2. Home work will be assigned regularly and collected periodically. Combined homework score will count as one test score.

3. Participation points will be lost if the student leaves a messy lab or seating area.

 **X. SPECIAL REGULATIONS:**

1. Late work will Not be accepted unless due to an excused absence. Students will be given one day for each day of the absence to make up missed work.

2. A make up Lab will be offered at the end of each term which will allow the student to make up 1 (one) missed lab.

3. Safety in the lab requires strict adherence to the rules. Failure to obey those rules may require that a student be removed from the course in order to ensure the safety of all.

4. Cell phones and music players such as IPODs, and MP3 players will not be allowed in the classroom. They will be confiscated and given to an administrator

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**I have read and understand the above chemistry course description and class outline.**

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**Student signature Date Parent/Guardian signature Date**