

Chemistry 1 – Course Syllabus Monarch High School

Instructor: Ms. Mohammed

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Room #: 366

Course Description:

Welcome to an exciting semester of learning Chemistry! This course is designed to provide an overview of the study of chemistry and its presence in our everyday life. Chemistry is the study of matter and its interactions. Chemistry I provide an introduction to this science, and will provide sufficient information for a student to continue chemistry instruction at the college level. Throughout the course, emphasis will be placed upon problem solving, and laboratory skills.

Educational objectives:

In this course you will:

1. Apply the principles of scientific method and measurement
2. Describe atomic structure emphasizing the electron configuration of atoms and chemical periodicity
3. Name and write formulas for chemical compounds
4. Perform calculations involving stoichiometry, thermochemistry, unit conversions, molarity, density, composition, and gas laws
5. Determine the type of bonding, molecular structure and polarity of given compounds or molecules
6. Use the principles of molecular bonding to explain or predict the properties of substances
7. Complete and balance simple equations.

Textbook and Course Content: Florida Holt Chemistry, Holt, Rinehart and Winston
Lab Skills and Safety

The Science of Chemistry - Chapter 1

Solutions - Chapter 13

Matter and Energy - Chapter 2

Atoms and Moles - Chapter 3

Nuclear Chemistry - Chapter 18

Chemistry I UP 09 The Periodic Table - Chapter 4

Ions and Ionic Compounds - Chapter 5 Covalent Compounds - Chapter 6

Chemical Equations and Reactions - Chapter 8

The Mole and Chemical Composition - Chapter 7

States of Matter and Intermolecular Forces - Chapter 11

Acids and Bases - Chapter 15

Gases - Chapter 12

Reaction Rates - Chapter 16 5 Hours

Compounds of Carbon - Chapter 19

Biological Chemistry - Chapter 20

Suggested Supplies:

1. Three ring binder (1 ½ inch) with a separate section for handouts, tests, and quizzes
2. Black or blue pen, colored pencils and/or markers

Grading Criteria:

Your final grade is based upon total number of points achieved divided total points possible. Scale:

A = 90-100 B+ = 87-89 B = 80-86
C+ = 77-79 C = 70-76 D+ = 67-69
D = 60-66 F = 0-59

Classroom Rules: Students should adhere to the Knight’s code of conduct. All school rules will be enforced in my classroom.

1. Be in your seat and ready to work when the bell rings.
2. Everyone is expected to have books, paper, and writing utensils everyday.
3. You cannot disrupt others from learning. You cannot disrupt the teacher from teaching.
4. Have respect for yourself, others, and the teacher at all times.
5. Any cell phones used in classroom will be confiscated.

Consequences: If a student chooses to break a rule the following consequences will be given.

First Consequence	Verbal warning
Second Consequence	Parental/Guardian contact
Third Consequence	After/Before School Detention
Fourth Consequence	Written Referral

*The student may be moved to another seat in the classroom with the first consequence

Absences/Late Work

It is the responsibility of the student to pick up and finish work missed. Missed assignments will be in the drop in drawers and on the website. All the students must complete assignments in two days and credit is given only to excused absence.

I acknowledge that I reviewed Ms Mohammed’s Chemistry 1 course syllabus, rules, and consequences with my son/daughter.

Parent or Guardian name (printed): _____

Parent or Guardian Signature: _____

Student Name, Class and Block (printed): _____

Student Signature: _____

Date: _____