

Chemistry 1 Course Syllabus

Mrs. Monchilov Room 43

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Textbook: Pearson Chemistry 2017

Course Objectives and Expectations

Chemistry is the study of the composition of matter and the changes that matter undergoes.

In this course students will learn how to:

- Engage in problem solving, decision making, critical thinking and applied learning
- Apply mathematics to science
- Develop laboratory skills used in future science courses
- Develop independent reading and study skills

Course Topics

1st 9 Weeks

- Laboratory Safety
- Matter and Change
- Scientific Measurement
- Atomic Structure
- Electrons in Atoms
- The Periodic Table
- Ionic and Metallic Bonding
- Covalent Bonding
- Chemical Names and Formulas

2nd 9 Weeks

- The Mole
- Chemical Reactions
- Stoichiometry
- States of Matter
- Behavior of Gases
- Solutions
- Thermochemistry
- Reaction Rates & Equilibrium
- Acids, Bases and Salts
- Oxidation – Reduction Reaction

Classroom Expectations

- All rules and regulations from GCBOE code of conduct will be enforced
- Come to class on time with required supplies, ready to work and learn
- Be respectful of instructor and fellow students
- No food, drink or gum allowed in the laboratory classroom
- Cell phones should be turned off and kept out of sight
- Complete all assignments and readings, study for tests and follow all lab directions
- Use class time to listen, learn and complete assignments and to assist classmates in doing the same.
- WORK HARD and don't get discouraged ---YOU CAN DO THIS!

Supplies

- Positive Attitude! Belief that you will succeed in Chemistry.
- Chromebook charged and in class everyday.
- Folder to keep all notes, quizzes and handouts – suggested 3 ring binder
- Loose Leaf paper for notes, quizzes and homework
- Pencils and erasers for math calculations, pens are acceptable for other assignments / notes
- Scientific calculator is suggested for out of class assignments

Course Grading

- Tests = 100 points
- Quizzes = 10-50 points depending on content
- Labs = 30-50 points depending on content
- Homework = 10-20 points depending on content
- Homework will be assigned 2-4 days per week. It will be checked on a random basis so make sure that you have attempted all homework assignments.

Students should get help as soon as necessary. Please see me immediately if you are struggling with this course. I am available every day before school.