

John Carroll Catholic High School
Course: Pre-AP Chemistry 433
Instructor: Ms. Erin W. Donovan
Room: 214
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Class Website: <http://www.classjump.com/donovan/>

COURSE DESCRIPTION

Chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. The purpose of this course is to prepare students for future advanced classes by building a good foundation of scientific skills and knowledge. This course will enhance the students' math skills, critical/analytical thinking skills, and increase their overall scientific literacy.

GOALS AND OBJECTIVES

- To understand that at the fundamental level chemistry is the interaction between energy and matter.
- To use critical thinking to develop problem solving skills that can pertain to everyday life.
- To complete labs that will enhance logical skills.
- To reinforce critical science related math skills.

TENTATIVE SCHEDULE

1st Nine Weeks	Safety and Equipment, Matter and Change, Measurements and Calculations, Atoms, Arrangements of Electrons in Atoms, Periodic Table
2nd Nine Weeks	Chemical Formulas and Chemical Bonding, Chemical Equations and Reactions, and Stoichiometry
3rd Nine Weeks	States of Matter, Gases, Solutions, Ions in Aqueous Solutions, and Acids and Bases
4th Nine Weeks	Reaction Energy, Reaction Kinetics, Chemical Equilibrium, and Oxidation-Reduction Reactions

GRADING PROCEDURE

Exams	40%	Questions will consist of multiple choice, matching, fill in the blank, and short answer
Homework/Classwork	20%	Will be given 3-4 nights per week. Classwork will be given when appropriate (group and individual)
Labs	20%	Pre-Lab Assignment and Lab Reports
Quizzes	10%	May be announced or unannounced. There will be at least 1 quiz per week.
Bellwork	10%	Everyday there will be a few questions posted. Students will have a seat and begin working on these problems when they arrive in class.

Quarter Grades will be determined using a weighted average of the scores on the assignments given.

Semester Grades each quarter grade will make up 40% of the semester grade and the semester exam will make up the remaining 20%.

MATERIALS

- Needed Daily-3-ring binder, dividers, composition notebook, paper, pen and pencil, scientific calculator *Note: No graphing calculators are allowed* and Textbook: Holt Modern Chemistry, by Davis, Metcalfe, Williams, and Castka

MAKE-UP WORK

Will be handled according to JCCHS policy (see JCCHS handbook).

LATE WORK

- 1 days late - 50% reduction of the grade
- 2 days late it will not be accepted

ATTENDANCE

- Absences and tardies will be handled according to JCCHS policy (see JCCHS handbook)

CLASSROOM RULES AND CONSEQUENCES

- Be seated and ready to work before the bell rings
- Bring required materials daily sharing materials is not allowed (this includes homework and calculators)
- Walk and talk with permission only
- Respect others and their property
- No food, drinks, or gum
- Use class time wisely
- Obey all school rules
- Consequences for breaking class and school rules will be handled according the JCCHS policy (see JCCHS handbook)
- Because of the importance of safety in the lab, violation of laboratory safety rules and procedures may result in loss of lab privileges and a zero for that lab.

EXTRA HELP

Whenever you have questions, please come see me for extra help. If you make an appointment I will make every effort to accommodate you. You are welcome to see me without an appointment but I can't guarantee that I will be available.

SAFETY RULES

1. No horseplay or practical jokes.
2. Don't touch the eyewash station or the shower unless in an emergency. Do not touch the gas jets unless instructed to do so in a lab.
3. Follow the exact directions for a lab *or* when designing your own lab, have your procedure approved by me.
4. Do not wear loose clothing around open flame and girls with long hair must pull it back. Always wear safety goggles during labs.
5. No food or drink. This includes gum and candy.
6. Don't sniff or taste chemicals and wash your hands/skin that comes into contact with lab chemicals.
7. Always leave lab stations and equipment clean and dry. Return all equipment to their proper place.
8. Wash hands thoroughly at the completion of a lab.
9. Notify me of any accidents so proper clean up procedures can be followed.
10. When in doubt, ASK FIRST!!!!

I _____ have read and understand all of the information on Ms. Donovan syllabus. I know my responsibilities in Chemistry (including all rules and consequences) and I also know how to be successful in this course. I realize that I may be removed from lab situations (and receive zeros for all labs) if I do not follow the safety rules.

student signature

date

As a parent/guardian I have read all of the above information and know my student's responsibilities in Chemistry. I am aware of all rules and consequences and know what my student should be doing to be successful in this course.

parent/guardian signature

date

Student Email: _____

Parent/Guardian Email: _____
