

Marysville High School

Practical Chemistry 2021-2022

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This is a one year science course in chemistry, based upon a theoretical approach interwoven with experimental evidence supporting modern chemical theory. Topics include: atomic structure, periodic law, chemical bonding, chemical composition, chemical reactions, thermodynamics, solutions, reaction rates, and acids and bases.

Materials

- Tablets/Chromebooks will be used daily (School Provided)
- A dedicated Single Subject notebook for class notes
- Pens, Pencils, and highlighters for taking notes (different colors strongly recommended)

Texts and/or Resources

- *HMH Chemistry in the Earth System*
- Google Classroom

Assignments and Assessments

- Laboratory Investigations
- Demonstration Observations
- Tests, Quizzes, Essays, Projects
- Digital Portfolio

Letter Grade	Rubric Grade	Percentage
A	4	90-100%
B	3	80-89%
C	2	70-79%
D	1	60-69%
F	0	45-59%

Grading Policy

This class is focused on earth science investigations with frequent review and assessment of learning. Therefore, the grading breakdown for this course is as follows:

- 40% Practice (Daily In-Class and Take Home Assignments, etc.)
- 60% Assessment (Individual projects, In-class Assessments, Quizzes, Essays, Portfolio, etc.)

Lab Safety Regulations

Laboratory safety regulations must be followed during all lab activities. Violations of the rules may result in point loss, removal from lab, parent phone call and/or referral. If you break any lab equipment or other class material, you may be responsible for replacement cost.

1. The laboratory is to be used for serious work. **No horseplay** will be tolerated!
2. When working with chemicals, you must wear proper eye protection (goggles) to prevent eye injury.
3. Report **ALL** accidents or injuries and **ALL** breakage or spills to the teacher at once!
4. Perform only those experiments specifically designed or approved by the instructor.
5. Long hair must be tied back, jewelry should be removed, and long sleeves should be rolled up to the wrist. Close-toed shoes should be worn.
6. Wash your hands with soap and water after every lab.
7. Never point the opening of a test tube toward your face or toward a neighbor while you are heating the test tube or mixing chemicals.
8. Use tongs or clamps to handle hot equipment.
9. Read the label on every container carefully.
10. In case of a burn from an acid or base, report the burn to the instructor at once. Wash the affected area immediately with plenty of water.
11. Never taste a chemical or solution. Poisonous substances are not always so labeled in the lab. If you swallow any chemical accidentally, report to the instructor at once.
12. To avoid contamination, never return unused chemicals to the supply containers.
13. Dispose of used chemicals, matches and preserved specimens only as directed by the instructor.

Absences and Late Work/Assessments

Students who are absent are responsible for making up any work they missed while gone. If a student is absent on the day of an assessment they are expected to take the assessment on the day that they return. When assessments are to be received digitally (i.e. take home essay), students are expected to meet the deadline. Any assessments not turned in or taken on time will receive an initial grade of "0"/F--No Evidence. Students will still be eligible for reperformance opportunities on assessments as explained above.

Behavior

This is school, and class is an academic setting. As such, there are certain norms that we must follow in order for all students to learn and interact in a safe and friendly environment. All rules set forth in the Marysville High School Handbook will apply in class. In each of our classes, we will begin the year with a discussion of norms of behavior and what is and is not acceptable in the classroom setting. Each student will be held to those standards.

Food/Drink and Restroom Passes

Students may not bring food or drinks to class. This course is taught in a science classroom, and eating in a lab setting is a safety hazard for students.

Bathroom passes are hanging in the front corner of the classroom. You may take it and go to the restroom. Ask to use the restroom; then quietly sign out, take the pass and go. It is expected that you will go only to the restroom and then straight back to class. Per MHS policy, students who take advantage of restroom privileges will be spoken to individually and parents will be contacted. If abuse is habitual, a student may lose bathroom privileges altogether.