

Chemistry CP
Course Content and Classroom Expectations

Welcome to Chemistry CP at Fleetwood Area High School!

This course is intended to provide a basic foundation of knowledge in the area of Chemistry to facilitate learning in this subject area in the future (i.e. College). It will also provide practical knowledge for every day survival with chemistry (it really is everywhere, not just bottled and sitting on a classroom shelf)

Materials needed for Regular Class:

Notebook – 3 ring 11/2 inch spine with 5 dividers

Writing Instrument (pen/pencil/etc.- your choice- NOT green)

Textbook- Introductory Chemistry A Foundation, 5th ed., Zumdahl. (2004)

Scientific Calculator, **PROGRAMABLE NOT NECESSARY**, Recommend: **Texas Instruments TI-30X IIS**

Topics:

Introduction and Scientific Method	Chapter 1
Measurement and Calculations	Chapter 2
Matter and Energy	Chapter 3 and Chapter 13- Sections 1 and 2 only
Atomic Structure and the Mole	Chapter 4
Electrons and the Periodic table	Chapter 10, Chapter 11- Sections 1, 2, 3, 4, 6, and 7
Chemical Nomenclature	Chapter 5
Gas Laws	Chapter 12- Sections 1, 2, 3, 4, 5, 6 and 7
Balancing Equations	Chapter 6
Reaction Prediction	Chapter 7
Chemical Composition	Chapter 8
Stoichiometry	Chapter 9 and Chapter 12- Section 10
Solutions	Chapter 14- Sections 1 2, 3, 4, 5 and 6
Acid Base Chemistry	Chapter 15- Sections 1, 3, 4 and 5
Reaction Rates (LAB before PSSA's)	Chapter 16- Section 2

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Class Procedures:

1. Bring your materials (notebook, calculator, writing instrument) to class every day.
2. Be on time and ready to work. If through some chance of fate or other cause you are late to class, your entry to the classroom should not cause disruption!
3. Complete assignments on time, with the use of your skills only. The exception being designated group work. If in doubt, work on it alone!
4. Ask questions!
5. Late work, except homework, will be accepted one day late with a penalty of 50%.
Homework is NOT accepted late. Get work in on time!
6. You are responsible to make up work missed during an absence. Labs are to be made up within ONE week unless special **written** arrangements are made **or a grade of zero will be assigned.**

Grading:

Grades will be computed on a total point basis. That is the total number of points that you accumulated divided by the total number of points available. The following areas will be used to accumulate points toward your final grade. It is highly recommended that you keep track of your grades as the quarter/year progresses. Grade issues will not be addressed during class time; before or after school is the most appropriate time to address these issues. REMINDER: Grades can be checked online. Most grades will be in the computer within 24 hours, exceptions will be announced in class.

Homework (5-10 points) **Graded on completeness not correctness**

Quizzes (announced before quiz, usually 10-30 points)

Pop Quizzes (5-10 points)

Tests (minimum 100 points)

Projects (announced at assignment, usually 50-100 points)

Positive Participation (1 per quarter, 50 points, it is yours to lose)

Laboratory Reports** (25 points)

Positive Participation:

As noted above, you have been offered 50 points for your positive participation in Chemistry CP. Points will be deducted from this for the following infractions, first time will be a warning, second or more offense may lead to a point reduction (2-10 pts/ offense depending on severity):

Failure to bring required materials to class (i.e. notebook, pen/pencil, etc.)

Unexcused late to class

Disruptive behavior

Off task behavior (sleeping, working on other subjects, texting, etc)

Inappropriate behavior during laboratory experiments

**** Laboratory expectations are further explained in the Lab Experiment Code of Conduct.**

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Remediation:

If your average falls below 70% you qualify for remediation (to a max of 70%) if you meet all of the following four requirements:

1. You have obeyed all classroom and laboratory rules.
2. You have handed in **all assignments** on time.
3. You take notes, pay attention in class and ask questions.
4. **You came for extra help before the failed examination (test or quiz), and are showing effort towards trying to improve your grade.**

All remediation is done on your time, either before or after school, just make arrangements with me ahead of time. Alternative tests or quizzes will be used to determine remediation grade.

DO NOT WAIT UNTIL YOU ARE DROWNING!! ASK FOR HELP ANYTIME!!

Chemistry builds on previous concepts, if you don't understand something, ask for extra help.

Food, Drinks, Gum, Etc. Policy:

Room 212 is a Science Laboratory, therefore **NO FOOD, DRINK, GUM OR OTHER SUCH ITEMS WILL BE PERMITTED!** If you enter the room with such items please put them away. A bottle of water with a closeable lid or similar item will be allowed at the student desks during regular class time only. This will not be allowed during laboratory time.

Classroom Behavior:

You are a young adult and are expected to act accordingly. Rules published in the student handbook will be enforced and no behavior that is disruptive to the learning environment of Room 212 will be tolerated. Show Respect = Receive Respect.

Academic Honesty:

You are expected to do your own work at all times, the exception being assigned group work. All work borrowed from a source for reports, etc. must be properly cited to avoid plagiarism. Duplicating another student's work is a form of plagiarism! In the case of duplicate student work, all involved parties will receive a zero for the assignment. All plagiarism and cheating will result in a grade of **ZERO** for the test, quiz, project, etc. and possible discipline referral.

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Lab Experiment Code of Conduct:

Throughout the course of the class, students will be participating in laboratory experiments under close supervision. These opportunities offer students a chance to work with and actually see chemistry in action. They are included as part of the class because they provide an excellent way to help students learn chemistry. Due to the nature of the lab setting, however, special considerations must be addressed during laboratory situations. The following 20 rules will help establish and maintain a safe learning environment for all students.

1. Follow all safety and procedural rules given by the instructor.
2. **Wear proper eye protection at all times during a laboratory exercise.**
3. Wear lab aprons and other protective clothing as instructed.
4. Only perform authorized experiments.
5. Do not perform a procedure you are unsure of, ASK FOR HELP!
6. Keep your lab area clean and free of clutter.
7. Report any and ALL breakages, malfunctions, etc. to instructor immediately.
8. Know the location of Eyewash station, emergency shower, fire blanket, first aid kit, fire extinguisher and emergency shutoff.
9. Know how to evacuate the classroom in case of an emergency.
10. **Never eat, drink, chew gum, etc. in the lab (Room 212).**
11. It is suggested that you not wear contacts, but at minimum you must inform the instructor if you do wear contacts.
12. Long hair (girls or boys) must be confined.
13. Long, dangling sleeves and other loose clothing must be secured.
14. **No sandals or other open- toed shoes will be allowed in the Laboratory.**
15. **No horseplay, jokes, etc. of any sort will be tolerated during Laboratory.**
16. All accidents, cuts, spills, etc. must be immediately reported to the instructor.
17. Do not directly inhale or sniff any chemicals in the laboratory.
18. Do not dump anything from laboratory exercises down a sink, unless specifically directed to do so by the instructor.
19. Never heat a closed system.
20. Never work alone in the laboratory.

***** Both you and your parent/guardian are asked to sign and return the attached Laboratory Conduct Contract.**

***** Both you and your Parent/Guardian are asked to sign verification of receipt of the Course Content and Classroom Expectations information.**

***** Additionally, parent/guardian is asked to provide preferred method of contact information. Note: Phone numbers and email addresses do not have to be provided unless they differ from those already provided to the school.**

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Acknowledgement of Classroom Expectations

I, _____, a student in Chemistry at Fleetwood Area High School, hereby agree to follow all classroom rules and regulations set forth by this document. I understand that failure on my behalf to comply with these rules and the rules in the Fleetwood Area School District Handbook may result in discipline referral. I have read the Class Procedures, Grading, Participation, Remediation and Academic Honesty policies and understand how these items will influence my grade in CP Chemistry.

Signed: _____, Student

Date: _____

I, parent or guardian of _____, have read the rules and regulations for CP Chemistry and I have discussed the rules, importance of following these rules and the consequences for breaking these rules with the child listed above. I understand how the Class Procedures, Grading, Participation, Remediation and Academic Honesty policies will influence the grading of the child listed above and have discussed these influences with the above mentioned child.

If I need to be contacted regarding my child's grades or behavior (good or not good) I would prefer to be contacted by (choose all that apply)

☐ Phone (please indicate if preferred number is different from that provided to the school)

Best time to call: _____ am / pm

Best number: Cell, Home, other (please indicate) _____

☐ Email (please indicate if address is different form that provided to the school)

Signed: _____, Parent/Guardian

Date: _____

Please tear off this page and return to Ms. Neiman before the end of the week.

This page, along with the Lab Code of Conduct sign off sheet is part of the first homework assignment. The rest of the assignment is to gather the required materials. Please feel free to contact me if you are having difficulty finding/ affording the necessary materials.

Room 212 Lab Experiment Code of Conduct Safety Contract

1. Follow all safety and procedural rules given by the instructor.
2. **Wear proper eye protection at all times during a laboratory exercise.**
3. Wear lab aprons and other protective clothing as instructed.
4. Only perform authorized experiments.
5. Do not perform a procedure you are unsure of, ASK FOR HELP!
6. Keep your lab area clean and free of clutter.
7. Report any and ALL breakages, malfunctions, etc. to instructor immediately.
8. Know the location of Eyewash station, emergency shower, fire blanket, first aid kit, fire extinguisher and emergency shutoff.
9. Know how to evacuate the classroom in case of an emergency.
10. **Never eat, drink, chew gum, etc. in the laboratory (Room 212).**
11. It is suggested that you not wear contacts, but at minimum you must inform the instructor if you do wear contacts.
12. Long hair (girls or boys) must be confined.
13. Long, dangling sleeves and other loose clothing must be secured.
14. **No sandals or other open- toed shoes will be allowed in the Laboratory.**
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16. All accidents, cuts, spills, etc. must be immediately reported to the instructor.
17. Do not directly inhale or sniff any chemicals in the laboratory.
18. Do not dump anything from laboratory exercises down a sink unless specifically directed to do so by the instructor.
19. Never heat a closed system.
20. Never work alone in the laboratory.

I, _____, a student in Chemistry at Fleetwood Area High School, hereby agree to follow all safety rules and regulations set forth by this document. I understand that compliance with these rules is necessary to provide a safe laboratory environment for the study of chemistry by myself and my fellow classmates. Therefore, I will fully cooperate with the instructor, Ms. Neiman, or any substitute in her absence, to ensure the safety of all involved. I also understand that I am responsible for calling to Ms. Neiman's attention, any possible safety hazards that I perceive for myself or others and will immediately report all accidents or spills, no matter how small. I also understand that violating these rules endangers me and others and therefore violations may result in a loss of points on the lab, loss of Positive Participation points and/or a loss of Laboratory Privileges. In addition, there is the potential for safety violations to result in disciplinary action.

Signed: _____, Student

Date: _____

I, parent or guardian of _____, have read the rules for Laboratory Conduct at Fleetwood Area High School and I have discussed the rules, importance of following these rules and the consequences for breaking these rules with the child listed above. I give permission for the above listed child to participate in laboratory activities associated with Chemistry and will expect him/her to comply with all safety rules of the laboratory.

Signed: _____, Parent/Guardian

Date: _____