

CP Chemistry - Course Outline and Grading Procedures

Mrs. Cameron

CP Chemistry is a full year course designed to introduce you to general chemical principles and to provide you with appropriate laboratory experience to supplement these principles. This is a rigorous course, which will build your skills in critical thinking, problem solving, and observation. There is a strong correlation between students' ability to do well in Algebra and their grades in chemistry.

Course Outline

The following topics will be covered:

History of Chemistry	Stoichiometry	Atomic Structure	Measurement and SI Units
Formulas and Equations	Significant Digits	Chemical Bonding	Thermochemistry
Chemical Nomenclature	Acids and Bases	Periodicity	Solvation
Redox Reactions	Gas Laws		

Course Alignment with Lincoln High School Student Expectations:

<i>Academic, Social and Civic Expectations</i>	<i>Student Growth Opportunities in Chemistry</i>
<ul style="list-style-type: none">* Students will be thoughtful communicators who read, write, listen and speak effectively in preparation for careers and/or post-secondary education* Students will be creative and practical problem solvers* Students will demonstrate continuous effort towards proficiency in all requirements for graduation* Students will assume responsibility for their actions* Students will contribute to the well-being of the wider community through service* Students will recognize their importance as participating members of American society within a global context	<p>Group Lab Work, Article analysis, Special Projects, Presentations, Mathematical and Abstract Problem Solving Exercises</p> <p>There will be at least one possible portfolio entry per quarter.</p> <p>Lab work and demonstrations will apply to real-world applications wherever possible. This will lead to back ground knowledge concerning energy and natural resource use now and in student futures. This knowledge is essential for adults functioning in today's high-tech, fast paced world.</p>

Grading Grades will be determined on a total point basis. Your grade will be calculated by dividing the total points you received for the quarter by the total points available. Approximate point values are as follows: **Tests/Quizzes = 100/50, Homework quizzes = 30-50, Homework = 10, Lab reports = 35-100, and Special Projects = 100-150.**

On all tests and reports units must be included in answers to receive credit for the problem. NO UNITS NO POINTS!

Materials

You will need the following:

1. A scientific non-graphing calculator, preferably a TI-30 series

**note – no graphing calculators may be used on tests. It will be easier if you buy a non-graphing, TI-30 so that you can become accustomed to using it. Many students lose points on tests and quizzes due to improper calculator use. There will be some available for in-class use on tests.*

2. A spiral bound notebook for taking notes
3. A folder for handouts
4. A 1 inch 3-ring binder for class materials
5. A bound composition notebook
6. A flash drive or use of online document storage
7. Internet access either at home, the public library or school.
8. A STUDENT email address

Classroom Management Procedures:

Students will:

- Be seated and **ready to work** when class begins.
- Listen carefully and **follow directions**.
- **Be kind, polite and respectful** to others.
- **Bring all** needed materials to class.
- **Follow all school rules and safety rules**.

Attendance in class is very important in chemistry. When students fall behind, it is difficult to “catch up.”

All students and parents will read and sign a safety contract and classroom expectation handout before students are allowed to perform lab activities.

Take care of lavatory and personal needs between classes.

Submit assignments on time.

- There will be a 10% reduction in grade for each school day the assignment is late.
- No work will be accepted that is more than 5 days late, unless under special circumstances.

Obtain the notes, handouts or assignments missed due to absence.

- If you are absent on the day of a test or quiz, you will make it up within 2 days of your return.
- If you are absent for an extended period of time you will have several days to make up the test or quiz.

Cell Phone Use:

Student use of cell phone and other electronic devices is only allowed with specific permission from the instructor. Usually, cell phones will be stored in a clear plastic organizer at the front of the room.

Academic Integrity:

The following conditions will be maintained while evaluations are being given. **Cheating is absolutely prohibited!** Consequences are outlined in the student handbook.

Remain quiet until everyone is finished.

Stay in your seat until you are finished.

Keep your eyes on your own paper

No Cell Phones Allowed during test-taking

Collaboration/Study Groups: Collaboration is encouraged. Study and lab groups should discuss class material, problems and lab activities. Students should be able to complete problems on their own. Lab data may be shared *but all other sections of lab reports should be the student's original work.*

Teacher Expectations:

Your Teacher will:

- **Come prepared to teach each day.**
- **Expect student cooperation with classroom procedures.**
- **Assign consequences to students not following classroom procedures.**

These consequences begin with a reminder of the procedure and then a verbal warning.

Further consequences will be chosen at the teacher's discretion from the following list:

Work made up after school.

No talking for a designated time, or at all during class.

Phone call to parents.

Alternate assignment instead of laboratory work.

After school meeting which may include the student, parents, principal or others as necessary.

Other consequences as deemed appropriate by the teacher.

Text: World of Chemistry, by Zumdahl, Zumdahl and DeCoste

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