

General Chemistry

Course Outline and Grading Procedures

Mrs. Cameron

General Chemistry is a full year course designed to introduce you to general chemical principles that govern the world in which we live. Upon successful completion of this course you will recognize and understand the importance of chemistry in your life, develop problem solving and critical thinking skills and become aware of the potential as well as the limitations of science and technology.

Course Outline

The following topics will be covered:

Atomic structure	Water Testing	Formulas and Equations	Acids and bases
Nomenclature	Using the Periodic Table	Chemical Bonding	
Petroleum and Energy	Conserving Resources	Physical and Chemical Properties	
Mixtures, Solutions, Solubility and Solvents			

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 = 100, Quizzes = 50, Lab reports = 50-100, and Special Projects = 100-150.**

*There is no assigned homework for this class. **All work will be completed within the class times with extra time included.** If students do not complete the work during class time, they may stay after school with any of the three teachers to make up the work. * Unfinished work is not homework. Generally, student attendance correlates with student grades. Special circumstances will be considered on a case-by-case basis.*

Materials: 1. Use of Google Docs or a flash drive 2. A pocket folder for current work.

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 one of the instructors. 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 Teachers 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.	Exclusion from the day's class.
Change in seating.	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.	