**Chemistry I, 2021-2022**

 

**Instructor Information**

*Instructor:* Mr. Darko, B.Sc., M.Ed. *Phone Contact:* (704) 290-1520

*Classroom:* F210 *Email Contact:*prince.darko@ucps.k12.nc.us

**Greetings/Philosophy**

Welcome to Chemistry! This is a semester long college preparatory class designed to prepare you for college level Chemistry. Students may choose to explore more on the subject while still in high school by taking IB or AP Chemistry or wait until they get into college.

**Tutoring/Office Hours -** By appointment

**Course Description/Objectives**

* Chemistry I investigates matter and the changes it undergoes. Major topics include atomic structure, formula and equation writing, bonding, solutions, ionization, kinetic-molecular theory, acid-base theory and the interrelations and impact of chemistry on society. The course focuses on basic chemical concepts and incorporates activities that promote investigations to reinforce the concepts. In addition, this course requires students to practice, read the textbook independently, complete homework assignments on a regular basis, and take challenging quizzes and tests. The structure of the course is to help college-bound students take ownership of *their* education and practice putting in the time and effort necessary to succeed in challenging courses.
* **S**tudents are more successful if they understand these expectations early in the semester and try to establish a good work ethic.
* The essesntial standards and clarrifying objectives may be found at the NC DPI website located at <http://www.ncpublicschools.org/docs/acre/standards/new-standards/science/chemistry.pdf>

**Course Materials**

Pens and pencils

Three ring binder with paper to take notes and hold handouts

Scientific calculator

Planner to record assignments

**WISH LIST-** *Tissue, hand-sanitizer, dish and/or hand-washing soap and paper towels. Any donation will be certainly appreciated, particularly in the middle of a pandemic.*

**Grading Scale**

A = 90 -100%, B = 80 - 89%, C = 70 - 79%, D = 60 - 69%, F = below 60%

* Grades are on a percentage system and will be CUMULATIVE throughout each semester.

**Expectations for Assignments**

* Labs/Projects – 20% Total

Chemistry I is a lab course. Safety is the number one issue when doing labs. Any student not following the proper safety procedures will not be allowed to participate and will receive a zero for the lab. Students must wear safety glasses during all labs. All students will be required to sign a lab safety agreement and complete a lab safety test with a minimum grade of 85% in order to participate in any lab. In addition, you must have a safety contract signed by you and your parents on file with me to participate in labs.

* Homework and classwork/participation – 15% Total

 Any assignment not turned in on time will have the following consequences:

Up to 1 week late – earns up to 60%

After 1 week late - earns up to 0%

* Assessments – 65% Total

Tests – 40%

Quizzes – 25%

All assignments, unless stated otherwise are taken for a grade. If you plan to have unexcused absences, please talk to your teacher about a schedule change, pick up any assignments and find out turn in date. DO NOT put off make-up work. Complete assignments as soon as possible so that you can get on with the rest of the course material.

**Progress Reports** - Students are to monitor the PowerSchool/Canvas for any missing assignments. It is the student’s responsibility to check with me if they see a possible mistake in your grades. Grades are cumulative and progress reports can be printed off the PowerSchool at any time.

**Classroom Expectations**

By this point in your high school career, some classroom rules should be obvious. *Be on time*. *Bring all your materials to class*. *Do your homework*. *Observe common sense and common courtesy*.

Please review the school regulations in your student handbook/planner.

In this classroom, though, there are a few additional rules:

* Follow all ***social distance protocols*** daily and at all times.
* Listen while instruction is ongoing.
* No profane language.
* No unexcused tardiness or absences.
* No hats/hoodies allowed.
* Everyone must be seated in their assigned seats and quiet before class is dismissed.
* Participate, ask questions, and think critically.

**Academic Integrity**

Cheating is not tolerated!!

* Students will not receive credit for work if they are *receiving*/*sharing* answers with classmates on independent work or someone else does the work for them.  Although students are encouraged to assist each other with chemistry problems, analysis of lab data, etc., written work should represent the work of the individual student.
* Students who are cheating by either receiving, sharing or submitting someone else’s work may be subject to disciplinary action as spelled out in the students’ handbook.
* *Do your own work!*

It is also important to note that plagiarism is considered cheating and can result in a zero grade for an assignment. Cite your work ALWAYS using appropriate method or sources. You may consider using APA or MLA.

**Topics to Be Covered**

I. Safety and Basics II. Atomic Theory/Nuclear Chemistry III. The Periodic Table IV. Periodic Trends

V. Chemical Bonding VI. Chemical Nomenclature VII. Stoichiometry VIII. Solution Chemistry IX. Reactions X. Acids and Bases XI. Gas Laws XII. Thermodynamics

**Parent Contact Information – Honors Chemistry**

Dear Parent/Guardian,

Please complete the information below and sign to indicate that you and your child have read and understand the requirements for Chemistry as documented in the course syllabus and/or students handbook, including accessing and reading the safety contract online.

*Canvas Page*:

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 *Please use a pen to print neatly.*

If you have any questions for me, my contact information is on the front page of the packet.

**Student Name** (PRINT):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Email**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Best Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *(Mother or guardian) (Preferably cell phone)*

**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Best Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 *(Father or guardian) (Preferably cell phone)*

**Parent/Guardian Email**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/Guardian Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*\*P.S. Please return this portion no later than* ***January 21, 2022.*** *Thank you!*