



Lee High School Syllabus

Class: Chemistry Honors

School Year: 2021-2022

Teacher: Mr. Rominske

Location: Room 113

Email Address: zachary.rominske@hsv-k12.org

Classroom Phone Number: 256-428-8150

Course Description*

*Adapted from HCS Course Description Guide

Grade: 10-12

Credit: 1.0

This is a laboratory-based course that introduces the basic theoretical principles of chemistry with an emphasis on math and problem solving. It is designed for the college-bound student who has an interest in science and math.

Grading: Grading for the semester will be determined as follows

MAJOR Grades – 60% of final grade

MINOR Grades – 40% of final grade

Major Grades: Grades which check and measure student **KNOWLEDGE** (mastery) of concepts or standards for the course. This includes tasks or assessments such as, Unit Tests, Lab Reports, Case Studies, Research Reports, Major Projects, or other Performance-Based Assessments (such as presentations).

Minor Grades: Grades which check and measure students **EFFORTS** toward master of concepts or standards. These are minor because they assist in evaluating student understanding of smaller sections of material. This includes tasks or assessments such as, Traditional Classwork, Homework, Quizzes, Lab work (excluding final lab reports), Class Engagement points, Independent Practice, Reviews, Discussions, Vocabulary Assignments, exit tickets, “Bell ringers”, Constructed Responses, and other various progress check activities

- All tasks or assignments contributing to **MAJOR** or **MINOR** grades will be assigned weighted points in categories of my discretion. In other words – all tasks are not weighted equally
- The midterm and final exam will be **comprehensive**
- “Bonus Points” may be awarded on **MAJOR** or **MINOR** tasks or assessments at teacher discretion
- There will be NO extra credit assignments given to an individual student in an effort to boost a grade average. Grades should accurately reflect student mastery and effort and will be awarded in a fair and consistent manner for all students

Engagement: Engagement in learning is important. **Preparation + Participation = Engagement.** In order to be fully engaged students must come to class prepared to learn with the appropriate materials, participate in learning via activities and discussions, and not disrupt the learning of others.



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Homework and You: All homework assignments must be submitted by the **DUE DATE**, or they will be considered late. Additionally, it is your responsibility to review the material from class daily and come to class with questions on what you do not understand on a given topic, assignment, or other difficulty. There are multiple methods of contacting me electronically if you do have questions. I will respond in a timely manner.

Late Work All assignments, including homework, are to be submitted ON or BEFORE the assignment due date. Any assignments submitted AFTER MIDNIGHT of the due date will be subjected to a **grade penalty** up to a 50% reduction on the assignments grade. **After 5 calendar days or that topic's assessment, late work will NOT be accepted.** There will be no exceptions to this policy unless a student has a VALID EXCUSED ABSENCE (typically a doctor's note) on file with the Attendance office *or* if provide a "student makeup day." A "student makeup day" is a SINGLE class blow students may be allowed to submit any missing assignments by the end of that school day. **DUE TO THE NATURE OF THIS COURSE, THERE IS NO FUARANTEE A STUDENT MAKEUP DAY WILL BE PROVIDED.**

Absences: It is your responsibility to copy any notes that were missed and complete any missing assignments or assessments. If an assessment was missed or you need assistance with missing assignments, please see me during my office hours to schedule a makeup time. Any work assigned before your absence is due on the day you return to class.

Laboratory Requirements: There will be numerous lab exercises during this course. Due to the potential dangers of lab exercises, every student must pass a lab safety test with a score of 100% I order to participate in lab. Laboratory participation is necessary in order to fully understand the concepts of the course.

Conduct: The district's and school's student handbook will govern this classroom. Furthermore, the expectations of classroom are:

1. **Be on time, on task, and engaged**
2. **Be prepared with the right tools and the right mindset to learn**
3. **Be responsible for your learning and contribute to the learning of others**
4. **Be respectful of the speaker, teacher, your neighbor, and yourself**
5. **Be mindful of procedures, directions, and school policies**
6. **Use technology only when instructed to and in the appropriate manner**

- Violations will be input into BLOOM in order to track behaviors
- Minor violations of the rules may be dealt with in one or more of the following ways:
 1. Warning and Documentation
 2. Teacher Choice
 3. Teacher Contact
 4. Written Assignment
 5. Office Referral

Office Hours: During office hours, I will be available for you to make up tests and other assignments and for additional assistance. Any questions concerning your grade, missing assignments, or other information must be done during this time.



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Schoology: We will be using Schoology as our school's educational platform. Assessments and assignments for this class MAY be distributed and submitted via Schoology.

Contacting Me: The easiest and typically fastest to contact me with your concerns is my email zachary.rominske@hsv-k12.org. During the school day I can be reached at my room phone. I will answer when I am not actively lecturing.

Communication: I will be communicating primarily through Microsoft Outlook (email) and Schoology. This will enable me to send updates, announcements, and messages.

****STUDENTS MUST USE THEIR STUDENT EMAIL ADDRESS OR SCHOLOGY FOR ALL COMMUNICATIONS WITH ME. I will not respond to student emails or provide access to digital materials for email accounts not affiliated with Huntsville City Schools.**

Topics to be Covered:

1st 9-weeks

- Lab safety
- Scientific measurements
- SI Units/Significant figures
- Dimensional Analysis
- Classifications & properties of matter
- Atomic Structure and atom composition
- Period table and trends
- Metals
- Heat
- Atomic theory & Wave-particle theory
- Atomic Calculations
- Orbital notation, electron configuration notation, & quantum numbers
- Paramagnetic/Diamagnetic
- Ionic, metallic, and covalent bonding
- Lewis structures
- Dipoles, dipole moments & intermolecular forces
- Types of Chemical reactions
- Empirical formulas, mass & moles in chemical reactions

2nd 9-weeks

- Percent composition, mole/mass, mole/volume
- Percent Error
- Stoichiometry
- Changes in states of matter
- Intermolecular forces
- Gas Laws
- Solutions and solubility rules



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- Acids, Bases, Titrations
- Le Chatelier's Principle

FACE TO FACE INSTRUCTION:

Daily Supplies: the following supplies should be brought to class on a daily basis

- Assigned laptop and charger
- Paper
- Pencil/Pen
- Composition Notebooks

Classroom Supplies: I have supplies that we will use throughout the year. Please be respectful of these supplies by using them as intended and not being wasteful. Return supplies to their appropriate location when you are done and return all supplies before you exit the classroom.

Leaving the Room: We will be following school guidelines concerning students leaving the classroom. When student do leave, he or she must have a pass and it can only be during individual learning time. Students must sign out and in when leaving the room. Students will not be allowed to leave the classroom in the first 15 or last 15 minutes of class.

Trash Policy: Each student agrees as a member of the classroom to place any and all trash into the proper trash can on your way out of class or when a break in instruction occurs.

Cellphones: Cellphones are to be put away IN BACKPACKS AT ALL TIMES in this classroom. There may be instances where I ask for you to use them. If they are in use during instructional time, you will be warned and then written up in BLOOM for any additional incidents.

Laptops: Please keep laptops in backpacks unless otherwise noted by the teacher. They will be utilized in the classroom but WILL NOT be out at all times in order to minimize distractions.

VIRTUAL INSTRUCTION: Conduct yourself in a professional manner keeping with HCS guidelines for conduct and technology use. Live Classroom instruction will be conducted using ZOOM. The procedure will be posted on Schoology as needed.