Honors Chemistry Syllabus

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REQUIRED MATERIALS

- (2) 2" 3-ring binders *(Notes & Practice)*
- College-Ruled Composition Notebook *(for Lab)*
- 3x5 Blank Cards *(5-7 packs)*
- Notebook Paper
- Scientific Calculator or Graphing Calculator *(TI-83/TI-84)***
- Various Stationary Items (Paper/Pencils/Various Colored Pens/Highlighters)
- Chromebook & Charger

TEXTBOOK: *Introductory Chemistry* by Nivaldo Tro (provided as an online resource). *Replacement cost for hard copy-$106.38*.

COURSE DESCRIPTION: The Georgia Standards of Excellence (GSE) for Chemistry are designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills and knowledge required to demonstrate no less than a proficiency-level understanding of the chemistry content. Students will investigate chemistry concepts through experiences in laboratories and field work using the process of inquiry. For more detailed information go to…

http://www.georgiastandards.org/Georgia-Standards/Documents/Science-Chemistry-Georgia-Standards.pdf

S1 Topics-*Units 1-2*

Nature & Classification of Matter
Particle Dynamics & Phase Changes
Thermochemistry-Physical
Gas Laws & Kinetic Molecular Theory
Atomic Structure & Isotopes
Quantum Mechanics & Electrons
Periodic Table & Trends
Chemical Bonding & Molecular Geometry
Intermolecular Forces (IMF) & Properties
Ionic Compounds & Electrostatics

S2 Topics-*Units 3-4*

Chemical Nomenclature
The Mole & Composition
Stoichiometry
Aqueous Chemistry & Solutions
Ideal Gases
Thermochemistry-Chemical
Energy Transformations
Chemical Kinetics
Chemical Equilibrium

**Recommended if the intention is to pursue an AP level science or math.*

TEACHER EXPECTATIONS:

Academic Attitude: This course will require **daily preparation**! Students are expected to maintain high academic and personal standards as well as stay apprised of classwork expectations and their personal academic standing at all times. It is expected that the student will communicate his/her needs respectfully via email prior to any circumstance requiring case-by-case accommodations.

Laboratory Participation: Students are expected to participate in all lab activities they are present for. They should arrive prepared for each lab* in the following ways:

- *The student should have researched and recorded the safety precautions and hazards of each chemical being handled.*
- *The student should have read and annotated the lab handout, familiarizing themself with the lab techniques and procedures by reading that section no less than three times prior to the lab.*
- *Students should wear only closed toed shoes and long pants as well as be prepared to tie back any hair that hangs below the top of the shoulder.*

Failure to arrive prepared for the lab means that the student will not be able to participate and will be issued an alternate assignment for that day as well as be asked to relocate to the media center or another teacher's classroom for their safety.

In addition to pre-lab preparations, students will be required to follow all general lab safety procedures at all times during in-person labs. **Failure to follow proper lab protocol and safety procedures will result in an immediate dismissal from the lab and a zero for that assignment.**

Students who are absent for a given lab may be provided an alternative assignment at the discretion of the teacher.

Class Participation: Students are expected to participate in class discussions and assigned activities. Participation should take place with an open mind and without judgment or bias. A set of class discussion rules and expectations will be established for each class prior to any assignments of this nature.

Homework Participation: Students will have homework every night! It is expected that all assigned homework is complete BEFORE class on the day it is due. This ensures that the necessary preparations have been made to be an effective participant in the next day's class discussions. Homework assignments will be checked daily and a homework quiz will be issued if less than 50% of the class has the work completed.

Student Conduct: Students will be provided with a positive, engaging, organized, and challenging classroom environment that promotes academic excellence. In return, **it is expected and required that VHS rules of conduct and classroom safety rules be followed at all times.** Failure to do so will result in parental communication and disciplinary action at the classroom level as well as potentially administrative discipline.

Late Work: All "due date specific" assignments are to be turned in to the teacher directly within the first 5 minutes of class on the day that it is due. **Any work not turned in at the beginning of class will be considered a day late and a letter grade (A, B, etc.) will be deducted from your grade for each day (24hr period) that it is late**, however, you are permitted one FREEBIE late assignment (not homework) per quarter. Use it wisely!

Class Absences: The policies and procedures outlined in the VHS Student Handbook will be followed. If the student knows that they are going to be absent, please be sure to notify me in writing (email or note) in advance so make-up work can be assigned accordingly.

Academic Integrity: The policies and procedures outlined in the VHS Student Handbook will be followed. Students suspected/reported/caught cheating on an assignment will receive the following class level discipline:

- Homework/Classwork: *A zero and a "cheated" flag will be entered in the gradebook for that assignment and an alternative assignment will be issued. Parent contact will be made.*
- Quiz/Test: *Administration and parents will be notified. A zero and a "cheated' flag will be temporarily entered in the grade book for that assessment until the time a retake can be issued. Retakes are not the same assessment, they count toward the two retakes issued each semester, and are 100% free-response! Cheating on a major assessment will result in in-school suspension.*

TUTORING AVAILABILITY: *See the tutoring schedule posted in the classroom/on my door.

GRADING: Grades will be updated biweekly and available to both students and parents via the Infinite Campus portal.

- *Major Assessments (45%)*
  - *Tests*
- *Minor Assessments (20%)*
  - *Quizzes/HW Quizzes*
  - *Pre/Post Lab Assignments*
- *Daily Work (15%)*
  - *Classwork*
  - *Homework*
  - *Bellringers*
  - *Lab Practical*
- *Final Assessment* (20%)*

**This course includes a cumulative exam at the end of each semester.*

TEST RETAKE POLICY: Students may retake two major assessments per semester, after completing the necessary remediation assignments to insure proficiency**. Students must request each retake in writing via email and should include the following information:**

- Student Name
- Class Period
- Name of test the student needs to retake.

- Date & time available for remediation/tutoring
- Date & time available for retake

TEST MAKE-UP POLICY: Students requiring a make-up exam due to test day absences must schedule a date to take the test within 24 hours of their return to school. The date of the scheduled make-up must be no more than 5 business days from the date the student returns to school. **Students should schedule their make-up via email and should include the following information:**

- Student Name
- Class Period
- Name of test the student needs to retake.
- Date & time available for remediation/tutoring
- Date & time available for retake

**Please be aware that a retake cannot replace a zero for a task which was never completed.

CANVAS: In order to ensure an equitable learning environment, **ALL instructional materials from EACH school day will be uploaded to CANVAS at the conclusion of each day as well as any HW assignments.** The student is responsible for checking the platform daily to confirm that you have completed all necessary assignments for that day!!! If you are absent for ANY reason, this is the first place you will need to look for make-up/missing work.***

*****See Extended Absence Contract Document!!!*

APPTEGY: The HCSD Mobile App (Apptegy) will be used to share class announcements, important updates, and reminders. Please log in using the information provided by the school and enable notifications so you don't miss important information.

CHROMEBOOK POLICY:
All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the classroom teacher.

SYLLABUS ACKNOWLEDGEMENT FORMS

Parent signatures for this syllabus, lab safety acknowledgement statement, and extended absence contract will be collected via the classroom CANVAS page (will need to uploaded prior to August 17th, 2026) Your student will be able to pull up that page for you if needed, however, parent access may be set up at any time.



_____ _____

PRINTED STUDENT NAME PERIOD

LAMBERT'S LAB SAFETY CONTRACT

GENERAL LAB SAFETY RULES

➔ Follow all written & verbal instructions as provided.
➔ Wear proper eye/clothing protection at all times.
➔ Conduct yourself in a responsible & safe manner in the laboratory environment.
➔ Be knowledgeable of equipment, safety symbols, & techniques required for each lab.
➔ Know where/how to get help in an emergency, including the location of the first aid, safety shower, eye wash, fire extinguisher, and fire blanket.

**Students must pass a lab safety quiz with an 80 or higher to be permitted to participate in lab activities.

QUESTIONS

1. Do you wear contact lenses? __ YES __ NO
2. Are you color blind? __ YES __ NO
3. Do you have allergies? __ YES __ NO If so, list specific allergies:
4. Is there any medical condition that I need to be aware of? If so, please list:

STUDENT ACKNOWLEDGMENT

I, _____, have read, understand, and agree to follow the lab safety rules outlined above, located in the lab safety materials, and any others provided in the future. I will conduct myself safely & appropriately at all times in the lab environment. I understand that failure to do so may result in not receiving credit for the lab and/or an office referral.

_____ _____

STUDENT SIGNATURE DATE

PARENT ACKNOWLEDGMENT

I, _____, have read the information provided in the course syllabus and understand the policies, procedures, and expectations. I will support Mrs. Lambert's efforts to ensure my student is successful in this class. I acknowledge that my student must abide by the lab safety rules as outlined above (also online) and any others provided by Mrs. Lambert. I have contact information to communicate with Mrs. Lambert if needed: ***Email: lindsay.lambert@hcbe.net***
Phone: (478) 218-7537

_____ _____

PRINT PARENT NAME PARENT PHONE #

_____ _____

PARENT SIGNATURE DATE

_____ _____

PARENT EMAIL #1 PARENT EMAIL #2

*****This form MUST be signed by the student and a parent/guardian, and it MUST be uploaded to CANVAS under the "Signed Lab Safety Contract" assignment in the "Welcome: Begin Here" module!**

LAMBERT'S EXTENDED ABSENCE CONTRACT

What to do if I have to be absent for longer than a day?

1. Email me from your school email account on DAY 1 of your absence. This is how I will communicate with you about your work.
    - SSO portal > Office 365 > Outlook
    - **Lindsay.Lambert@hcbe.net**
2. If you need paper copies of any work while you are out, please email me and I will provide these via the front office twice a week.
3. Check the "**Modules"** tab in CANVAS **DAILY** for notes and assignments.
4. Email me to notify me of your progress and all completed work.
    - A note about your completed remote work.
        1. I must be able to read it.
        2. It doesn't HAVE to be completed on the original worksheet, a sheet of lined paper works too.
5. IF you are absent during a test or quiz, a make-up exam must be scheduled within 24 hours of your return to school. The date of the scheduled make-up must be no more than 5 business days from the date of your return to school.
6. If you have questions during your absence after taking notes, send me an email to let me know what your questions are. If you send me a message, be sure to check for a response!
7. **YOU ARE RESPONSIBLE FOR ALL WORK WHILE ABSENT, NO MATTER THE REASON FOR THE ABSENCE.**

I, _____, (**please print**) have read and understand what is expected of me if I have to be absent for two or more days.

_____ _____

Student Signature Date

_____ _____

Parent/Guardian Signature Date

*****This form MUST be signed by the student and a parent/guardian, and it MUST be uploaded to CANVAS under the "Signed Extended Absence Contract" assignment in the "Welcome: Begin Here" module!**