

## Honors Chemistry Syllabus

Lindsay Lambert – Rm #1225

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### REQUIRED MATERIALS

- (2) 2" 3-ring binders (Notes)
- Graph Paper Composition Notebook (Lab)
- Scientific Calculator (TI-83/TI-84) or Graphic Calculator\*
- Various Stationary Items (Paper/Pencils/Various Colored Pens/Highlighters)
- Chromebook

**TEXTBOOK:** *Introductory Chemistry* by Nivaldo Tro (provided as an online resource). Replacement cost for hard copy-\$132.97.

**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>

#### Semester 1 Topics

- Physical Science Review
- Atomic Structure & Electrons
- Nature of Matter & Periodicity
- Chemical Bonding
- Intermolecular Forces (IMF)
- Chemical Reactions
- Molar Relationships
- Stoichiometry

**Units 1-6**

#### Semester 2 Topics

- Thermodynamics
- Kinetic Molecular Theory
- State Changes
- Gas Laws & the Nature of Gases
- Precipitation Reactions
- Acids & Base Neutralizations/Titration
- Oxidation-Reduction Reactions
- Kinetics & Equilibrium

**Units 7-10**

### 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 their personal academic standing.

**Laboratory Participation:** Students are expected to research and investigate the chemicals and lab techniques used for each lab activity IN ADVANCE. **Failure to do so means that the student will not be able to participate and will be issued an alternate assignment for that day.** Students

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

will be required to follow all 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 activities 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 are expected to complete assigned homework BEFORE 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 an organized, efficient, 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.**

**Late Work:** All "due date specific" assignments are to be turned in to the teacher directly within the first 5-7 mins 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 per quarter. Use it wisely!

**Class Absences/Academic Integrity:** The policies and procedures outlined in the VHS Student Handbook will be followed.

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

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

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

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

**GOOGLE CLASSROOM:** To encourage blended learning, **ALL classroom materials and/or instruction from EACH school day will be uploaded to GC at the conclusion of each day as well as any HW assignments.** 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!!!*

**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.

**PARENT SIGNATURES**

Parent signatures for this syllabus, lab safety acknowledgement statement, and extended absence contract will be collected via the classroom Google Classroom page (will need to be uploaded prior to August \_\_\_\_\_) 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

## 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](mailto:lindsay.lambert@hcbe.net)**

**Phone: (478) 218-7537**

\_\_\_\_\_  
PRINT PARENT NAME

\_\_\_\_\_  
PARENT PHONE #

\_\_\_\_\_  
PARENT SIGNATURE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PARENT EMAIL #1

\_\_\_\_\_  
PARENT EMAIL #2

# 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.
  - o SSO portal > Office 365 > Outlook
  - o [Lindsay.Lambert@hcbe.net](mailto: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 “**Classwork**” tab in Google Classroom **DAILY** for notes and assignments. (see the codes below)

Period	Code

4. Email me to notify me of your progress and all completed work.
  - o 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, let me know via email when you are ready to take that exam. This should be no more than 5 days following your return to school (follow retake procedure from syllabus).
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 the Google Classroom Assignment: PARENT SIGNATURES**