AP Chemistry Syllabus

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AP CHEMISTRY EXAM DATE: *Thursday, May 6th, 2026 @11:30a*

REQUIRED MATERIALS:

- 2.5" 3-ring binders (*1 per semester*)
- Calculator capable of performing logarithmic functions (*highly recommend the TI-84 Plus*)
- College Ruled Composition Notebook (*for Lab*)
- Paper/Pencils/Various Colored Pens
- Chromebook and Charger

TEXTBOOK: *Chemistry, A Molecular Approach* by Nivaldo Tro. *Replacement cost for hard copy $130.77.*

COURSE DESCRIPTION: AP Chemistry is one of the most rigorous, academically challenging courses that can be taken in high school. It is designed to be the equivalent of the general chemistry course usually taken during the first year of college.

Unit	Sub Topic	Tests
1: Atomic Structure & Properties	Atoms/Periodic Trends	Test 1
2: Molecular & Ionic Compound Structure & Properties	Bonding	Test 2
3: Intermolecular Forces & Properties	IMFs Gases Solutions	Test 3a & 3b
4: Chemical Reactions	Reactions/Stoichiometry	Test 4
5: Kinetics	Reaction Rates/Mechanisms Catalysts	Test 5
6: Thermodynamics	Endo/Exothermic Enthalpy (Δ H)	Test 6
7: Equilibrium	General Equilibrium Solubility Equilibrium	Test 7a & 7b
8: Acids & Bases	Acids & Bases Buffers & Titrations	Test 8a & 8b
9: Application of Thermodynamics	Entropy Electrochemistry	Test 9

GRADING SCALE:

90-100	A
80-89	B
70-79	C
0-69	F

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

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

***This course requires a full length mock College Board exam each semester which will be one of the major assessments in addition to the official 2027 board exam.**

AP EXAM TIMELINE:

- 8.17.26 – Deadline for students to electronically join all AP classes on the College Board website (APcentral.collegeboard.org). *Helpline for students and parents 1-888-225-5427
- ***Students must fix College Board issues. This cannot be done administratively.***
- 10.23.26 – Deadline for students to register for AP exams on the College Board website.

AP EXAMS:

Please be advised that each AP level exam comes at a cost of $99 per exam. The state of Georgia will pay for **one** AP exam for Georgia public school students enrolled in AP courses in **one of two** categories:

- **Category 1:** Students are public school students who individually qualify for the CollegeBoard fee reduction. For these students, the state of Georgia will pay for one AP exam in any subject (with the exception of AP Seminar and AP Research).

- **Category 2:** Students are public school students who do not qualify for the CollegeBoard fee reduction. For these students, the state of Georgia will pay the cost of one STEM exam for students enrolled in an AP STEM course.

TEACHER EXPECTATIONS:

Academic Attitude: This course will require daily preparation **(homework EVERY night)**. 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. The successful completion of this course heavily depends on the completion of homework assignments and preparation for the next day's class. It is expected that the student will communicate his/her needs respectfully via email prior to any circumstance requiring case-by-case accommodations.

Lab Participation: Laboratory work is an essential part of this course. All safety rules and procedures must be followed at all times. Pre-lab, post-lab and lab practicals will all be used for assessment of understanding. Some of the AP Chemistry labs require an extended period of time and, as such, **may require time after school or during SOAR for completion.**

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.

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**.

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 no 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 and are 100% free-response!*

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

RETAKE POLICY: There are no test retakes in this AP Chemistry course.

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.

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.

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!!!*
ONLINE RESOURCES:

1. **College Board Site** (classroom resources, process monitoring, registering for exams, score reporting)
    a. **Go to Myapcollegeboard.org**

    b. Join Code: _____

_____ _____

PRINTED STUDENT NAME PERIOD

COURSE: AP CHEMISTRY
INSTRUCTOR: LINDSAY LAMBERT

_____ I have read and will abide by the policies outlined in the SYLLABUS.

_____ I have read and will abide by the LAB SAFETY CONTRACT

_____ I acknowledge that, in the event of my extended absence, it is my responsibility to notify my instructor (Mrs. Lambert) via email as well as access Google Classroom/College Board website on a daily basis for the purpose of viewing/obtaining ALL missed content/assignments. I also acknowledge that I am expected to submit ALL aforementioned assignments for grading in a timely manner per my instructor's preferred method of submission (email).

_____ I understand that I, as an advanced placement student, am responsible for registering online for my exams. Failure to do so will mean that I am unable to participate in AP testing for this course during the current school year.

_____ The school is responsible for meeting College Board deadlines regarding testing registration. Once I have chosen to test/not test and submitted my registration through the College Board website, I am responsible for any fees incurred should I later change my decision or change my course registration.

_____ _____

STUDENT SIGNATURE DATE

_____ _____

PRINT PARENT NAME PARENT PHONE #

_____ _____

PARENT SIGNATURE DATE

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

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!**