

Chemistry Syllabus

2019 - 2020

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Mission

To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors

Course Description

This course is a study of fundamental chemical concepts based on the Next Generation Science Standards. Students will evaluate evidence from experiments and technology used by scientists to understand the nature of the chemistry. Concepts and skills are reinforced by a strong emphasis on hands-on laboratory experiences and the integration of other branches of science. Multiple methods of teaching are employed to ensure the best possible comprehension and retention of science concepts.

NCAA Approved. Prerequisites: Algebra I and concurrent Geometry, Biology, or teacher recommendation

Course Topics

Semester 1

- Measurement and Science Skills
- Matter and Energy
- Atomic Structure
- Quantum Theory
- Periodic Table
- Bonding/Formulas/Naming
- Molecular Shapes-Liquids and solids

Semester 2

- Chemical Reactions
- The Mole with Solutions
- Stoichiometry
- Equilibrium
- Acid Base
- Gases
- Thermochemistry

Grading

Course Content Grade

- 16% Practice
 - Daily homework checks (2 pts)
 - Weekly Google Classroom Assignment (10-20 pts)
 - HOLA Quizzes (15-25 pts)
- 24% Labs
 - 15-25 pts
- 40% Tests (Unit exams)
 - 30-65 pts
- 20% Semester Exam (Final)
 - 100 pts

Grading Scale

100 – 98	A+	89.9 – 87	B+	79.9 – 77	C+	69.9 – 67	D+	59.9 – 0	F
97.9 – 93	A	86.9 – 83	B	76.9 – 73	C	66.9 – 63	D		
92.9 – 90	A-	82.9 – 80	B-	72.9 – 70	C-	62.9 – 60	D-		

Note that *grades are not rounded*.

Academic Integrity

Students will be expected to submit only original work and follow the academic integrity policy described in the student handbook.

Retake Policy for Homework Objective Learning Assessment (HOLA)

1. Retakes are only available for HOLAs. Retakes are not available for any other coursework or exams.
2. Students are only allowed retakes on HOLAs of which they receive an **84%** or below.
3. The retake grade will be recorded (*even if it is lower* than the original score) in Infinite Campus.
4. Before being allowed to take the retake, students must complete a HOLA correction sheet which must be turned in with the original assessment and the retake.
5. Retakes for an HOLA must be completed before the unit test that the HOLA is assessing.
6. Students will only have one opportunity to take a retake per HOLA.
7. Retakes will be a new form of the HOLA that addresses all of the same topics that were on the original.

Science Department Policy for Assignments

- All assignments will only be accepted during the current unit. After the unit exam, no assignments will be accepted.
- Any assignments handed in after the due date and before the end of unit exam will receive a 50% deduction.
 - To avoid a 50% deduction on a lab assignment, students will receive 2 Mole Bucks per semester that can be used on any late LAB assignment. The late assignment must be turned in before the current unit test. Any unused Mole Bucks can be used toward extra credit at the end of the semester in their lab grade.
- Any student suspected of or found cheating on a summative assessment, practice quiz, or assignment may receive a grade of "zero" and NOT be allowed to make up the assignment. Any students found copying labs, activities, projects, or assignments will *split the grade of the finished product*.

Absent and Pre-Arranged Absence work

- If you are absent or are going to be absent please check the schedule on Google Classroom for materials.
- Students will receive 1 day past the due date for every day they are absent per the student handbook.
- Extended absences will receive a modified plan for make-up discussed with the student and teacher.

What to do if a student needs help

- Make an appointment with your teacher.
- Before and after school help sessions.
- Form a study group/Attend tutoring sessions held every Tuesday and Thursday in the cafeteria after school

Supplies to be brought to class everyday

- Composition Notebook (for Practice- one per semester needed)
- Folder
- Notebook or binder for notes
- Writing instrument

Typical Week in Chemistry

- A schedule of the current unit will be given out at the beginning of each unit and posted on google classroom to help students plan accordingly
 - Monday-Wednesday: lectures/modeling concepts/notes/demonstrations with daily homework practice
 - Thursday- Lab in class with application questions
 - Friday -Post Lab and HOLA Quiz

Parents and Guardians – *We need your help, please!*

- Please check *Infinite Campus* at least once per week. Please ask your student for access to their Campus account.
- Please check Google Classroom for assignments, due dates, procedures, and daily class news. Please ask your student for access to their Google account.

Communication

- Teachers make every effort to respond to emails and phone calls within 24 hours during the workweek.
- The best way to communicate with teachers is through email; however, if you haven't received a response in 24 hours, please resend the email or call their voicemail. Your email may have gone into the spam folder.

I have read the above course syllabus for Chemistry class and will adhere to the guidelines.

Student's Printed Name _____ Period _____

Student's Signature _____ Date _____

Parent's Signature _____ Date _____

Technology Policy: During instructional time, students will be required to place their cell phone in their own assigned storage compartment. This ensures that students will not be distracted.

Students will be provided with an approved (non-graphing) calculator at all times during class. On days when an assessment is given, any student found using ANY electronic device other than their assigned calculator, during the assessment time, may receive a ZERO for that assessment. If a violation occurs, parents/guardians will be contacted.

Student's Initials _____ Parent's Initials _____