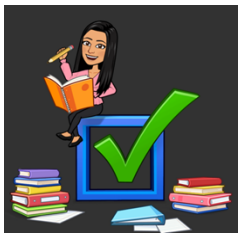
Chemistry in the Earth Systems



Instructor Information:
Gurpreet Kaur (pronounced “Core”)
gurpreet_kaur@chino.k12.ca.us

When you email me, please use your student email and include name and period in the subject line: **Gurpreet Kaur, P.4 - grade on Aeries

Course Description:
Chemistry in the Earth Systems entails the understanding of the nature of matter and its transformations when they study atomic and molecular structure, the effects of electron interaction, chemical bonds, and stoichiometry. Additionally, the course offers the study of the properties of gasses, acids and bases, solutions, and organic and inorganic compounds and an exploration of chemical systems through reactions and nuclear processes.

Textbook: Discovery Education, Inc. *Chemistry in the Earth System.* Grades 9-12. 2019.
eTextbook Link

Required Materials:

- Scientific Calculator
- Lined paper/notebook
- Pen/Pencil
- Chromebook with charger

Retake policy:

Students will be given 2 opportunities to take an exam in class. All students will take both versions of the exam- **the higher score will be taken provided both scores are within 15% of each other.** If the 2nd score is more than 15% than the original, an average score will be given.

Attendance:

- The number of days of the absence will determine how many days you have to make-up the work. (Ex: 1 day absent = 1 day to complete work).
- If you are absent on a review day which is likely the day before an exam day you will be expected to take the exam on the next day when you return.
- If you are absent the day of the exam, then you will be required to make-up the exam in class the first day you return, unless you have communicated with me about other arrangements.

Grading Criteria:

- **Exams (75%):** Regular assessments to evaluate students' understanding of the material
- **Homework/Classwork (5%):** Warm-ups, readings and reviews.
- **Concept Checks (5%):** ongoing checks to reinforce our learning from prior lessons
- **Labs (15%):** Hands-on experiments to apply what we learned

Grading Scale:

A (89.5 - 100%)
B (79.5 - 89.4%)
C (69.5 - 79.4%)
D (59.5 - 69.4%)
F (50 - 59.4%)

Understanding the Class Categories:

Tests: These tests cover 1-2 chapters, and consist of multiple choice and sometimes free-response questions. Partial credit is given on free-response questions.

Comprehensive Exams/Finals: A cumulative exam in multiple-choice and free response will be taken each semester. A periodic table, as well as a polyatomic ions sheet, will also be provided for specific parts of the final.

Labs: In order for you to do the experiment, you will need to be able to pass the pre-lab quiz before attempting the experiment. If you did not pass the pre-lab quiz, you will not be able to participate in the experiment due to safety concerns and you will then work on the alternative assignment. We will also have “Lab Activities” which will be shorter in duration and might not require a pre-lab quiz.

Laboratory Safety: Safety is our primary concern. This is why pre-lab quizzes are the pinnacle of success as students need to demonstrate their lab safety knowledge to limit the potential dangers **Horseplay or any kind within the lab will not be tolerated**. ***A zero for the activity and administrative referral are the usual repercussions.***

Clean- Up: In order to ensure success for all students, clean-up will be mandatory for all groups. I will be actively monitoring if a student cleans up after themselves after a lab activity for the next set of students to use after the class period. If a student does not clean up after an activity, a student’s grade may be penalized.

No Eating Policy: Since this is a class that requires the use of chemicals, eating food is NOT RECOMMENDED while classes are in session and will be PROHIBITED during lab activities

Drinking Policy: Drinking beverages will be allowed in class as long as it is in a proper container with a lid that can prevent it from spilling. Beverages without a container must be put on the counters on the side to prevent possible spills.

Homework and Class Work: This includes the following: classwork, homework, morning warm ups

Classwork/Homework: Homework will include problems from the chapter supplemented or from worksheets as needed. Most assignments have a due date as soon after being given.

Classwork/Homework will be completed on loose-leaf paper or submitted online and will be graded based on both completion and correctness.

Warm-Ups: The students will be expected to complete warm-ups to assess for content learning. This will be conducted online through the use of a Chromebook.

Concept Checks: The concept checks are usually scheduled throughout each unit that will be covered

Late Work Policy:

- Late work can be turned in prior to the ***end of each unit*** with no penalty. Students will be told when the last day of the unit will be. It is the student's responsibility to turn in their late work. Late work will not be accepted after the last day of the unit.

Renaissance Cards: If you get a renaissance card, you may use any “OOPS PASS " to submit for a missed warm-up activity due to absences, tardiness, or missing Chromebook. A “HOMEWORK PASS” can be used to waive homework assignments that are 10 points or could potentially add the 10 points to any assignment that are 20 points or higher.

Bulldog Bucks This will be given out to a student who demonstrates at least one of the three B’s (Be Respectful, Be Responsible, Be Safe) from the Classroom Matrix. The Bulldogs Bucks can be used in which the students can potentially use a certain amount of Bulldog Bucks to obtain Ms. K’s version of an “OOPS” and a “Homework” Pass. ***To use the Oops Pass, you must upload the Oops Pass in Google Classroom with the following assignment and hand me back the Oops Pass after. To used the Homework Pass,*** you must upload the Homework Pass in Google Classroom with the following assignment and hand me back the Homework Pass after

OOPS PASS = 4 Bulldog Bucks
Homework Pass = 10 Bulldog Bucks

Electronic Devices Policy:

- Cell phones must remain in backpacks or assigned phone pockets during class,

Behavior Expectations & Classroom Expectations:

- Cell phones must remain in backpacks or assigned phone pockets during class
- Students are in their assigned seat when the bell rings
- Students follow all laboratory safety procedures (goggles, proper handling of equipment, close-toed shoes, no food/drinks)
  Failure to follow these rules will result in a low-level tracking form and removal from the lab activity.
- **Academic dishonesty (cheating/plagiarism) will not be tolerated.** Please see section VII in the student handbook for specific consequences.
- Be **RESPONSIBLE** by being ON-TIME with all your materials ready to learn. It is your responsibility to make up missed assignments and tests!
- Be **RESPECTFUL** to all individuals in the class.
- Be **SAFE (See the Classroom Matrix below)**

Ms. Kaur's CLASSROOM MATRIX

3 B's	BE RESPECTFUL	BE RESPONSIBLE	BE SAFE
ARRIVAL & DISMISSAL	❖ Calmly enter room ❖ Honor personal space of others ❖ Sit at assigned seat ❖ Wait for teacher to dismiss class ❖ Ensure no trash is left behind	❖ Be ready to work when bell rings ❖ Have all necessary supplies ❖ Device is charged ❖ Place electronics on silent ❖ Clear and clean workstations	❖ Walk in an orderly fashion ❖ Place backpacks under tables/ clear walkways ❖ Wash/ sanitize hands ❖ Enter through "entrance", Exit through "exit"
COMPUTER TECHNOLOGY USE	❖ Only use websites allowed by instructor ❖ Devices should be on silent ❖ Use headphones (if needed) ❖ Use academic language ❖ Stay focused on classwork assigned	❖ Stay on task and only use websites allowed by the instructor ❖ Social Media/Gaming Apps OFF ❖ Check Google Classroom for announcements and assignments	❖ Keep personal information private (online codes/passwords) ❖ Click on trustworthy links/sites ❖ Think twice before posting ❖ Notify teacher of any unauthorized use
WHEN COLLABORATING	❖ Listen while others are talking ❖ Raise your hand to speak and wait for assistance / acknowledgment ❖ Respect differing opinions ❖ Use academic language ❖ Stay on topic	❖ Be an active listener and learner ❖ Participate / ask questions ❖ Avoid distractions ❖ Use materials appropriately ❖ Have work done by your next scheduled class period	❖ Stay in assigned seats/ designated areas ❖ See something (unsafe, unkind, suspicious), say something ❖ Follow directions ❖ Keep pathways free from obstacles
INDEPENDENT WORK/ ASSESSMENTS	❖ Low/quiet voice ❖ Stay in assigned seat ❖ Follow teacher instructions ❖ Maintain academic integrity ❖ Personal devices and items secured during testing	❖ Study before/be prepared ❖ Budget your time ❖ Read directions thoroughly ❖ Stay focused on the task ❖ Ask teacher if you need clarification ❖ Submit work on time	❖ Use your own words and thoughts on assignments (do not plagiarize) ❖ Double check that you turned in the work & attached files (if needed) ❖ Device is charged ❖ No audio or visual recording
ASSIGNMENT COMPLETION	❖ Use academic language ❖ Turn in your best work, not the minimum ❖ Exhibit academic honesty & no copying.	❖ Read directions thoroughly ❖ Ask 3 classmates before me if you have questions ❖ Ask teacher if you need additional help ❖ Turn in by due date & time	❖ Use your own words and thoughts on assignments ❖ Double check that you turned in the work & attached files (if needed) ❖ Communicate to the instructor if you need help

Course Content:

1st Semester
Unit 0 - Safety Procedures and Lab Equipment
Unit 1 - Heat and Energy in the Earth System
Unit 2 - Atoms and Elements

2nd Semester
Unit 3 - Chemical Bonding
Unit 4 - Chemical Reactions
Unit 5 - Acids, Bases, and Solutions

Note: The course outline is subject to adjustments to optimize the learning experience for students. Additional resources and references may be provided throughout the course to enhance understanding and engagement.

BEHAVIOR WITH SUBSTITUTE TEACHERS

**Inappropriate behavior with substitutes is not tolerated!

Acknowledgement:

Be sure that you and your parent/guardian read through and sign (no typed signatures - open in Kami and sign with your stylus) this syllabus.

I, _____ (print name), acknowledge that I have read through the contents of this syllabus and understand Ms. Gurpreet Kaur expectations.

Student signature: _____ Date: _____

Parent signature: _____ Date: _____