



2019--2020 COURSE SYLLABUS

GENERAL INFORMATION:

Instructor name: Andrea Horgan

Phone number: 916-433-5200 ext 506126

Tutoring Hours: Before school (7:45am -8:15 am) and during lunch (M-W-F)

Email Address: andrea-horgan@scusd.edu

Remind code: @jfkchem

*Remind is not a requirement, HOWEVER, information will be sent out through Remind on a regular basis. The instructor will be available to answer any questions until 8pm everynight.

COURSE DESCRIPTION:

Chemistry in the Earth system is a (college preparatory) two-semester course designed to meet the needs of students pursuing a major in a University or College. It integrates the concepts of Chemistry and Earth science linking cross-cutting concepts to make them more relevant to the students.

The course will meet the A-G requirements for the University of California and the California State University systems. To meet the **minimum** qualifications for these colleges, a grade of C or better must be achieved. The course is strictly aligned with the Next Generation Science Standards (NGSS) that have been adopted by our state.

The laboratory portion of the course will correlate with the instructional units rounding out the course.

TEXTBOOKS:

Chemistry/ Earth

The Sacramento City Unified School District is piloting new science curricula for our 6th-12th grade students. For Chemistry, we are piloting the Earth-Integrated Science curriculum through: **Houghton Mifflin Harcourt (Science Dimensions)** and **Pearson Chemistry (Chemistry in the Earth System)**. Each pilot cycle will last 8-weeks. I am one of the teachers



that has been identified and opted into piloting new curriculum options. We invite parents to preview the curricula we are piloting and provide feedback to the pilot team! To access the curricula please visit: www.scusd.edu/science. When you visit the page, you will be directed to a link to download the unit materials and a form to provide feedback. Thank you for your patience during this transition - we will be working hard to provide the best possible experience for your students and identify new instructional materials to adopt district wide in the 2020-2021 school year.

GENERAL ORDER OF TOPICS:

Unit 1: Measuring Matter and Energy

Unit 2: Heat and Energy in the Earth's System

Unit 3: Patterns in the Properties of Matter

Unit 4: Chemical Attractions

Unit 5: Reaction Energy

Unit 6: Human Activity and the Earth's Atmosphere

Unit 7: Chemical Equilibrium Systems

GRADING:

The grading scale is as follows:

Grade Percent

A 89.5-100%

B 79.5-89.4%

C 69.5-79.4%

D 59.5-69.4%

F Below 59.4%

The grades will be divided as:

20% - Classwork/Homework

40% - Tests

30% - Labs (including lab reports and lab quizzes)

10% - Quizzes

MAKEUP WORK:

Makeup work will be given if the absence is excused. Students have as many days to make up the work as they were absent. For example, if a student was absent for 3 days, he/she has 3 days to make up the work missed.

If a student is suspended by the administration for any reason, make up work WILL NOT be given to the student. He/she will receive zero credit for any work and/or tests that were missed during the suspension.

**LATE WORK:**

Any late work that is turned in after the due date (that does not qualify as makeup work) will be given half credit.

CELL PHONE POLICY:

There will be occasions where cell phones will be used for data collection or to look up information online. If cell phones are being used during an inappropriate time, the student will be given one warning. After that, the cell phone will be confiscated and turned into the administration. If a cell phone is out at ANY time during a test FOR ANY REASON, the student will receive a zero on the test WITHOUT A WARNING.

DAILY AGENDA:

Homework check: Students will be given a stamp sheet at the beginning of each unit/chapter. Students will be expected to keep this stamp sheet and turn in on the day of the test. A stamp will be given if the homework is complete and turned in on time.

Daily lesson/lab: Lessons and labs will be based on the unit of study and will include lecture, group work, independent study and group labs.

CLASS RULES AND EXPECTATIONS:

1. Do only those things which allow you and others to learn.
2. Bring materials necessary for learning.
 - a. Please bring textbooks to class on the days assigned.
 - b. Bring a pen/pencil and paper to class.
3. No food or drinks
 - a. Because of the nature of the course and exposure of chemicals, food and drinks will not be allowed. Students may bring a water bottle.
4. Respect teacher and classmates.
5. Arrive on time.
 - a. Any tardies will result in a lunch detention issued by the administration.
6. ALL LABORATORY SAFETY RULES AND PROCEDURES MUST BE FOLLOWED.

JOHN F. KENNEDY HIGH SCHOOL

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HOME OF THE COUGARS

a. A separate list of lab rules and procedures will be handed out to each student.