

Crook County School District

where students dream, learn, & succeed



<u>School:</u> Crook County High School		<u>Instructor:</u> Jeff Lowenbach
<u>Course:</u> Advanced Chemistry Lab		<u>Email:</u> jeff.lowenbach@crookcountyschools.org
☐	Trimester #1	<u>Phone:</u> 541-416-6900 x3146
☐	Trimester #2	<u>Methods for Communicating with Families:</u> • Email • Phone Call • Google Classroom • Parent Square
☒	Trimester #3	

Course Description: This is a one-trimester Chemistry/Physics course designed to give students the opportunity to complete the curriculum associated with CHE223/223L dual credit course offered through Klamath Community College. In addition, the course provides opportunities for students in both AP Chemistry and AP Physics to prepare for the AP exams offered after trimester two has ended. Students who enroll in Advanced Chemistry Lab are expected to attend early bird classes at least two times a week and will be graded based on attendance and participation using the pass/fail model.

Learning Standards/Targets:
AP Chemistry Students - Will cover all or part of the required material for CHE223

1. Relate the equilibrium constant to the relative amounts of reactants and products present.
2. Analyze aqueous equilibria in terms of the equilibrium constant, including pH, pKa, Ksp.
3. Apply knowledge of chemical principles to environmental concerns.
4. Use ΔH , ΔS , and ΔG to determine the spontaneity of a reaction and position of the equilibrium.
5. Write balanced nuclear reactions for the three common forms of nuclear decay.
6. Balance REDOX reactions using the half-reaction method.

AP Chemistry and AP Physics Students

1. Review required course materials for the upcoming AP exams
2. Complete practice AP style multiple choice questions.
3. Complete practice AP style free response questions.

Instructional Materials:

- Text - Chemistry Zumdahl – AP Edition
 - Author: Zumdahl, Zumdahl; Edition: 9th; Published Date: 2014; ISBN-13-978-1-133-61110-3
- Supplemental Classroom Materials
Bozeman Science AP Chemistry
<http://www.bozemanscience.com/ap-chemistry>

Crash Course AP Chemistry

<https://thecrashcourse.com/topic/chemistry/>

Khan Academy AP Chemistry

<https://www.khanacademy.org/science/ap-chemistry-beta>

AP Central - AP Classroom

<https://apcentral.collegeboard.org/>

Student Materials:

- Spiral or Composition Notebooks: These notebooks will become your very own Interactive Notebook and will contain notes, handouts, assignments, and other class materials.
- 1 Quadrille Ruled (graph paper) Lab Notebook:
- Scientific Calculator (recommended) .

All Instructional Materials must comply with CCSD School Board [Policy IIA](#) & [Policy IIA-AR](#). A copy of core and supplemental curriculum will be available in the curriculum office for review.

A classroom teacher receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment.

Notification of the Right to Object to the Use of Material:

[CCSD School Board Policy IIA-AR](#): Any resident of the district may raise objection to instructional materials used in the district's educational program despite the fact that the individuals selecting such materials were duly qualified to make the selection and followed the proper procedure and observed the criteria for selecting such material.

The first step in expressing objection to materials is consultation with the classroom teacher or library staff and providing a written complaint. The district official or staff member initially receiving a complaint shall explain to the complainant the district's selection procedure, criteria and qualifications of those persons selecting the material. A classroom teacher receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment. The materials shall remain in use unless removed through the procedure in section 4. F. (2) of this regulation.

The teacher or library staff receiving the initial complaint shall advise the principal of the initial contact within 24 hours, whether or not the complainant has apparently been satisfied by the initial contact. A written record of the contact shall be maintained by the principal and sent to the superintendent's office.

In the event that the person making an objection to material is not satisfied with the initial explanation or an alternative

assignment, the person raising the questions will meet with a building administrator who will provide a Request for Reconsideration form.

Citizenship, Classroom Rules, Behavior Expectations:

- *The Board expects student conduct to contribute to a productive learning climate. Students shall comply with the district's policies, administrative regulations, school and classroom written rules, pursue the prescribed course of study, submit to the lawful authority of teachers and school officials and conduct themselves in an orderly manner during the school day and during district-sponsored activities.*

Careful attention shall be given to procedures and methods whereby fairness and consistency without bias in discipline shall be assured to each student. The objectives of disciplining any student must be to help the student develop a positive attitude toward self-discipline, realize the responsibility of one's actions and maintain a productive learning environment.

- See [CCSD Board Policy JFC](#) for more details.

Grading System:

- *The district's grading system shall be based on Board-adopted course content and is designed to enable the student and parent to clearly know how well the student is achieving course requirements at the student's current grade level or course content level, and be based on the student's progress toward mastery of a continuum of knowledge and skills outlined in Oregon State Standards. Absenteeism or misconduct shall not be the sole criterion for the reduction of students' grades. Behavioral performance shall be reported separately. The district will use letter grades (A,B,C,D,F) that can be converted into a 4 to 0 reporting system in grades 6-12. All AP courses are graded on a 5.0 grading scale.*
- *Grades will be based on many factors, such as: basic instructional assignments, both oral and written; results from various assessment instruments, including critical content short cycle assessments as well as quizzes and exams; class participation; special assignments; research; activities of various types of kinds and special contributions.*
- See CCSD School Board [Policy IKA](#), [Policy IK](#), & [Policy IK-AR](#) for more details.

Course Grading Criteria/Weighting: To earn credit this trimester, the student must attend class and participate in the required curriculum and review activities. The grade will be calculated based on a pass/fail model.

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*[Policy IK-AR](#): Achievement of learning standards will be assessed separately from behavior.

Make Up Policy:

- 1) **Assessment Retakes:** [Policy IK-AR](#) Teachers will provide students with multiple opportunities to demonstrate mastery of each standard. Students will be provided with at least two opportunities to retake assessments. A student who retakes an assessment will not be penalized. Teachers can modify assessments (more rigorous to account for greater time allowed for preparation.) Teachers will determine student requirements for assessment retakes that align with Policy IK-AR.

- 2) **Homework/Daily Work:** *Achievement of learning standards will be assessed separately from behavior (i.e. attendance, disruption, late work, tardiness, preparation, effort, attitude, etc.). Teachers may set guidelines around submission timelines, as this category is tied to learning progress, please refer to policy IK-AR.*

**For all courses that articulate with a college or university, it is required that the syllabi match the accrediting institution, rather than the CCSD syllabus model.*

Please sign and return your Syllabus. Parents/Guardians if you have any questions or concerns please contact your student's teacher.

Student Name: _____ Date: _____

Parent Name: _____ Date: _____

Parent Signature: _____