

Capital High School



Chemistry

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Room I-8

Home of the Cougars

“The CHS community inspires all learners to think, explore, and grow.”

2017/2018

<http://capital.osd.wednet.edu/staff/jansen/chemistry>

Welcome. In addition to this sheet, please see your CHS Student Handbook. You will be studying the following this year in chemistry: matter, measurement, atomic structure, the periodic table, ionic/metallic/covalent bonding, chemical names and formulas, chemical quantities, chemical reactions, stoichiometry, states of matter, behavior of gases, solutions, chemical kinetics and thermodynamics, reaction rates and chemical equilibrium, acids and bases.

You should have passed or be currently be enrolled in Algebra II in order to take this class.

Units (this may change as the year progresses)

- I. **Atomic Structure and periodicity**
- II. **Measurement and data processing**
- III. **Chemical bonding and structure**
- IV. **Stoichiometric relationships**
- V. **Energetics, thermochemistry and chemical kinetics.**
- VI. **Equilibrium, acids, and bases**
- VII. **Redox processes**
- **Group Project**

Objectives

Understand and apply the following:

- scientific facts, theories, and concepts
- scientific methods and techniques
- appropriate methods of presenting scientific information

Construct, analyze, and evaluate the following:

- hypothesis, research questions, and predictions
- scientific explanations

Demonstrate the following:

- cooperation, perseverance, and responsibility appropriate for effective scientific investigations and problem solving
- manipulative skills needed to carry out scientific investigations with precision and safety

Required Materials

- scientific calculator (no cell phone or PDA)

Grading

Scale

A	92.50%-100.00%
A-	90.00%-92.49%
B+	86.50%-89.99%
B	82.50%-86.49%
B-	80.00%-82.49%
C+	76.49%-79.99%
C	72.50%-76.49%
C-	70.00%-72.49%
D+	66.50%-69.99%
D	60.00%-66.49%
F	00.00%-59.99%

Grades are weighted. The categories are:

Labs:	40 %
Tests:	40 % (includes Group Project)
Quizzes:	10 %
Homework:	10 %

Expectations, Rules, Attendance, Safety...

- Attend class daily, many labs are difficult, or impossible, to make up.
- Late assignments must be made up and/or turned in *before the assignment is returned to students* (usually five days or so) and are worth 85% of the earned grade. After the assignment is returned, it may not be turned in late for any credit.
- PDA's, cell phones, MP3's, iPods, or any other electronic equipment that may distract yourself or others from learning are prohibited unless given permission by the instructor.
- Missed (excused absences) must be completed within **five** school days of your return.
- Assignments are always due the first couple minutes of class unless otherwise noted.
- Unexcused absences- nothing can be made up, handed out, nor turned in. See your CHS handbook for more information.
- Tardies—will follow a CHS tardy policy.
- Any disturbance (talking, excessive noise, etc...) of any kind, during a quiz/test/final will first result in the following:
 - First time, a warning with 10% taken off the quiz/test/final
 - Second time, receive a zero on the quiz/test/final
- Test scores that are below 70% can be raised to 70% by making test corrections, tutoring, and finally re-taking part or the entire test. This can only be done during the following unit. The exception to this is the last test of the semester and finals which cannot be raised if failed.
- There is a fine line between working together and cheating. Cheating, plagiarism, or the "cutting and pasting" of work will result in a zero for that assignment, the notification of parents/guardians, and documentation filled with CHS administration.
- Failure to follow safety rules may result in a temporary or permanent suspension from class.
- No other work is permitted until all assigned science work is done unless given permission by the instructor.
- Appropriately clean up after each lab.
- If you break equipment or waste materials, you will be appropriately fined.
- OSHA (<http://www.osha.gov/>) law prohibits and food or drink **in** the classroom.