

Capital High School



IB Chemistry I HL



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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/ib_chemistry/ib_chemistry

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- *Welcome. In addition to this sheet, please see your CHS Student Handbook and IB Honor Code*
- *You should have passed or be currently enrolled in Algebra II in order to take this class (pre-Calculus or higher is recommended).*
- *You should also have done well in two or more years of high school science.*
- *This is a very rigorous course designed for **science majors** at a four university. It is assumed you are taking IB Chemistry II your senior year and taking the IB Exam in the spring of 2019.*

Units

- I. **Atomic structure and Periodicity.** Topics 2 & 3. *12 hours*
- II. **Measurement and data processing.** Topic 11. *10 hours*
- III. **Stoichiometric relationships.** Topic 1. *13.5 hours*
- IV. **Chemical bonding and structure.** Topic 4. *13.5 hours*
- V. **Energetics, thermochemistry and Chemical kinetics.** Topics 5 and 6. *16 hours*
- VI. **Equilibrium, Acids, and bases.** Topics 7 and 8. *11 hours*
- VII. **Redox processes.** Topic 9. *8 hours*
- VIII. **Organic chemistry.** Topic 10. *11 hours*
- **Group 4 Project**

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.

Tests:	40%	(and Group 4 Project)
Labs*:	35%	
Quizzes:	5%	
Homework/Classwork:	5%	
Final exam:	15%	

* Labs that are practice for *internal assessment* are worth much more than regular labs.

Expectations, Rules, Attendance, Safety...

- Attend class daily, many labs are difficult to make up.
- Labs that are practice for *internal assessment* are very important for your CHS chemistry grade and will help you prepare for your IB *internal assessment* grade your senior year.
- 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, smart 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 unless extended time is worked out with the instructor ahead of time.
- Assignments are always due at the *beginning of the period* unless otherwise noted.
- Unexcused absences- nothing can be made up, handed out, nor turned in. See your CHS handbook for more information.
- A test or final can **ONLY** be made up if you notify me ahead of time that you will be missing it. Furthermore, the missed test or final may be different from the one taken by other students.
- Test scores that are below 60% can be raised to 60% by making test corrections, tutoring, and finally re-taking part of, 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.
- 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 and contact parent/guardian
- 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 the appropriate documentation filled with CHS administration. In addition, consequences from the IB Honor Code will be enforced.
- 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 may be appropriately fined.
- OSHA (<http://www.osha.gov/>) law prohibits and food or drink **in** the classroom.