Introduction:
Welcome! The purpose of this class is to prepare you for the IB Chemistry HL Test. The purpose of the study of chemistry is to develop an understanding of the interactions between matter and energy. In this class you will further your problem-solving abilities, strengthen your science vocabulary, and learn skills for data gathering and interpretation as it relates to chemistry.

Math Requirement: Currently taking or have passed Pre-Calculus

Materials Required: Composition book or spiral notebook, scientific calculator. Recommended: Three-ring notebook in which to organize your notes, homework, and labs. I also highly recommend acquiring an Chemistry: For the IB Diploma study guide by Geoffrey Neuss AS SOON AS POSSIBLE. Make sure that is for the old curriculum and not the new curriculum that is coming online this year!

Topics to be covered:
- Measurement and data collection
- Atomic Structure
- Periodicity
- Bonding
- Equilibrium
- Kinetics
- Thermochemistry
- Acids and Bases
- Oxidation and Reduction
- Organic Chemistry
- Environmental Chemistry

Grading Scale

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93%</td>
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<td>A-</td>
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<td>B</td>
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<td>C+</td>
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<tr>
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<tbody>
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<td>C</td>
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<td>D</td>
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<td>F</td>
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Weighting of Grade

- 45% tests and quizzes
- 30% labs*
- 10% final
- 15% homework

* Labs that are Internally Assessed are worth more than regular labs. IB Manipulative skills are part of this category.

Homework
Homework will be assigned virtually every day. Chemistry is an ongoing process in which material continually builds upon itself. Homework is an opportunity to practice and master the present topic. It is essential that you devote time and energy every night (and every day in class!) to practicing the current topic; however homework will not be collected every day. I will periodically inform you that a specific assignment will be collected and graded. You will be working in assigned groups in which one person will be assigned to be able to explain the process involved in solving homework problems to the group and/or the class. This job will rotate and a majority of your homework grade will be based upon your completion of this role. I will occasionally assign a reading for you to complete as homework. Expect a quiz the following day regarding the reading.

Quizzes
Expect a quiz every week. Questions will be very similar to your homework assignments; therefore thoughtfully completing and understanding your homework assignments will allow you to be successful on the quizzes. Additionally, I will quiz you on a topic you covered last year and/or earlier this school year. You will be informed of the review topic a week in advance to give you time to review this past material. Periodically past “Paper 2” questions will be used for quiz questions. ONE quiz grade each semester will be dropped from your overall grade calculation.

Exams
Exams will be given at the end of each unit. These are opportunities for students to demonstrate their mastery of the content. A review will be given to the students at least one week prior to each exam, which will reflect
the material that will be addressed. Students are given the opportunity to revise exam questions that were missed (excluding extra credit problems) for half credit. To receive credit back, the student must demonstrate their understanding of the problem. It is expected that students complete all revisions in the classroom either before or after school within **two weeks** of the test being returned. The reason that I allow revisions is that many times learning from our mistakes is the best way to remember and better understand the material. This allows for time with the exam and focusing on chemistry.

**Lab Portfolio:**
Each student is required to maintain a lab portfolio. The purpose of this is to create an organized record of your laboratory experiences in a manner that is accessible and provide documentation of your work for the IB organization. This portfolio will follow you to IB Chemistry II. Specific instructions for writing lab reports will be distributed later.

**Classroom Expectations:**
- Late work is **NOT ACCEPTED**. Homework is rarely collected and you will be given ample time to complete lab write-ups. *Even if you are absent, you must submit your assignment by the time of the beginning of your class period. This can be done via email, but you must receive a confirmation of receipt.*
- **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 work (excused absences) must be completed within **five** school days of your return.
- 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 will be different from the one taken by other students.
- **Tardies—will follow a CHS tardy policy that states that after three tardies, detentions will be assigned.**
- **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 documentation filled with CHS administration. The IB Honor Code will be enforced.**

**Lab Safety:**
You are expected to adhere to the lab safety rules. Infractions result in immediate discipline. This could include being sent to the office, a parent conference, loss of points, or removal from the class. Particularly important are:

1. Follow all directions.
2. Wear GOGGLES whenever instructed to do so.
3. **NO DANGEROUS ACTS OR MISUSE OF MATERIALS WILL BE TOLERATED.**
4. Federal law prohibits eating or drinking in any science lab/classroom. This includes water bottles and gum chewing. Cosmetics should not be applied in the classroom. Lunch sacks and water bottles should only be brought to class if they are in a backpack.
5. Wear close-toed shoes and aprons when instructed to do so.
6. No student is allowed in ANY science classroom until the teacher is present.
7. If you break equipment or waste materials, you buy them!
8. Wash hands after lab.
9. Clean up your area.
10. Read and sign the CHS Scientific Student Safety Contract.

**Contact information**
Please feel free to contact me with questions, comments, etc. The best way to reach me is via email. You can call my classroom or leave a message with the main office.

- Email: jhall@osd.wednet.edu
- Classroom Phone: 596-8252
- Website: http://capital.osd.wednet.edu/staff/hall