

Mr. Greenwald's video: <https://youtu.be/96zznik8Q28>

Mr. Greenwald's introduction: <https://youtu.be/6CCN-KxIT4I>

## **Chemistry Honors 2020-2021**

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### **Course Description**

This course includes a study of measurements skills, atomic structure, and the periodic table, bonding, stoichiometry, states of matter, kinetic theory, solutions, acids, bases, equilibrium, and simple chemical and nuclear reactions. Mathematical relationships of chemical reactions and mathematical descriptions of gas behavior are studied under experimental conditions and in problem-solving situations. The course includes laboratory experiments designed to reinforce course content.

### **Office Hours:**

Office hours are from 2:15 until 2:45 Monday, Tuesday, Thursday, and Friday. If you need extra help with something, I can be available after school occasionally. You **MUST** let me know ahead of time if you plan to come in.

### **Attendance:**

I cannot express strongly enough the importance of attendance. Please keep up and come in for help as soon as you start to have problems. If you are absent, you will need to check CANVAS about the makeup work. Once I have started class, do not interrupt to find out about missed work. If you need any additional help or explanation for the missed work, come by after school. Quizzes and tests must be made up outside of class; labs will not be made up. **BE PREPARED!**

### **Labs:**

Labs are done in groups, and graded both individually and as a group. Missed labs will not be made up. **ALL STUDENTS MUST SIGN A SAFETY CONTRACT AND STUDENTS MUST PASS A LAB SAFETY TEST IN ORDER TO PARTICIPATE IN LABS!**

## Procedures & Expectations:

1. Be seated and be ready to work prior to the tardy bell.
2. Stay seated unless you have permission to get up.
3. Wait to be call on before you speak.
- 4. Do not touch faucets, sinks, gas jets unless told to do so.**
5. All usual, Olympia high school and OCPS rules apply.
6. Be polite and considerate of others.

## Extra Credit

Extra credit will be available on some tests and special projects on a case-by-case basis only. **Do not expect or rely on extra credit!**

## Materials

Each day you should have your laptop with you and charged or some way to take notes! It is suggested that you have a **binder** to store your notes, test, and labs. The recommended calculator is the **Texas Instruments Ti-84 silver plus or better**, we will be using it all year. There is a lot of math in this class and a calculator is a necessity.

## Grading Policy

Your grade will be calculated as follows:  $(\text{Your total points}/\text{Total points possible}) \times 100\%$

<u>Assignments</u>	<u>Possible Point Values</u>
Class work	5-15 points
Quizzes	50 points
Labs	50 points
Tests	100 points
Special Projects (if assigned)	Approx.100 points

## Texts:

The textbook we will be using this year is **Chemistry: Matter & Change, 2019** – McGraw-Hill Education Publishers. Some of the areas we will be covering are:

The Practice of Chemistry, Matter and Change, Atomic Structure, Electrons in Atoms, Periodic Table, Ionic and Metallic Bonding, Covalent Bonding, Chemical Reactions, The mole, Stoichiometry, Gases, Intermolecular Forces, Solutions, Thermochemistry, Acids and Bases, and Nuclear Chemistry.

**Parents, please feel free to contact me with any questions or concerns. I usually will get back to within 24 hours, unless circumstances dictate otherwise. Please keep in mind that this class, chemistry honors is very math intensive and is usually the first, very difficult class that high school students take. The level of commitment and rigor in this course is very high. Your students will have to devote a fair amount of time to this class. I look forward to working with your students and see how many plans to use some amount of chemistry in their future lives.**

Sincerely,

Alan Greenwald