

Honors Chemistry  
Course Syllabus  
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Welcome to the class. Over the next five months we will be exploring material science. This course will require effort on your behalf. It is often thought that some students are “just good” at math and science and others are not. The three determining factors most students attribute to success are intelligence, effort and luck. Of these, the strongest correlation with success is effort. The concepts that we will deal with in this class require critical and creative thinking. The expectation is that you will come to class prepared to learn. You will speak up when you need clarity. You will put in the time necessary to achieve. Your grade will be a reflection of your effort. **WORK HARD, GET SMART!**

Understanding Your Grade:

For each marking period, the break down of grades will be the following:

70% quizzes and tests

20% lab activities and write ups

10% assignments

Final grade for the course:

40% 1<sup>st</sup> marking period

40% 2<sup>nd</sup> marking period

10% core assessments (3 throughout the semester)

10% final exam

Academic Integrity:

-This is an honors course. There is an expectation that all students will be honorable and honest when communicating with fellow students and the instructor. Students will hand in work that they produced. Unless there are specific instructions for collaboration, students are expected to hand in work that was created solely by them. If a student copies another student's homework, neither student will receive credit for the assignment because there is no way of determining the original author.

-Because this is an honors course I expect that cheating on exams will not be an issue. That said, any student taking an assessment found with information regarding the assessment will receive a zero on the assessment and have no possibility for a make up. This includes crib sheets (cheat sheets), accessing a cell phone during an assessment, information stored in a calculator and/or any other method of accessing material pertinent to the assessment.

Behavioral Expectations:

-Lab safety is the biggest concern in any lab setting. We will be working with equipment made of glass. Glass is delicate and can cause harm when broken. We will also be working with chemicals that can cause blindness if exposed to the eyes. For this reason **GOGGLES WILL BE WORN AT ALL TIMES DURING LAB ACTIVITIES**. **Close toed shoes** must be worn in lab settings. Other protective measures will be made for specific lab activities if needed. All other safety concerns will be discussed before beginning each lab activity.

-All students will be respectful to one another and to the instructor. Essentially, be nice to one another. Treat others in a way that you would like to be treated.

-Cell Phones: Mobile phones are a very good tool. The modern cell phone allows the user to access all of the knowledge of the human race with a few taps of a finger. There will be times that students will

be allowed to use their phones to check grades that have been posted or specific assignments. These times will be announced by the teacher. At all other times, there is an expectation that cell phones will remain in a place where they are not in view or accessible. This means in a purse, in a backpack or in a pocket that completely covers the phone. If there is valid reason to have a phone out in class, please inform the teacher at the beginning of class. Students that cannot follow this policy will receive cell phone violations. If you need clarity about cell phone violations see the following web address: <http://cbsd.org/Page/12124>.

What to Expect from Day to Day:

-Every day when you arrive there will be some sort of directions on the board. It may be a Do Now or a Question of the Day. It may be to get out specific materials for an activity. The first few minutes of class will generally be devoted to this. If it is not a lab or quiz day, the expectation is that you have out your class notebook, something to write with and a calculator.

-I hope that most weeks will be similar in structure. My goal is to finish one chapter per week. The first four chapters contain a lot of material that students have been exposed to in elementary and middle school. We will complete these chapters in about two weeks. Please review and complete the chemistry review packet and problems during the first week of class. I will be touching on all of the content, but will concentrate on the items that are starred.

Other Key Points:

-I will be available Mondays and Wednesdays after school for any make up work. Students that need to make up labs will have to let me know in advance so that I can collect all of the necessary equipment and chemicals.

-Email is the best way to contact me. Students with questions about homework should email me by 8:00pm if they want a response that evening.

-If you are absent, refer to the class website for anything that you missed. Make sure to come in with questions about anything that you need clarity on. If you are absent, you are responsible for all of the work that you missed. Most exams will be preceded by a review day. There is no new material covered on this day. If you are absent on a review day you will be expected to take the exam when you return. If you are absent on exam day, be prepared to take the exam the day that you return.

-This is a busy time of life. Many students are involved with after school activities, work a part time job and have many other responsibilities in their lives. If you are struggling with a concept, please do not hesitate to reach out. Be prepared when coming into tutoring that you will be expected to show what you have done before coming for help. Before I can help you I need to see that you have attempted the work and are working hard.

Topics to be covered and their anticipated duration:

Unit 1: Introduction to Matter and Measurement	Ch. 1-3	1 Week
Unit 2: Atomic Structure	Ch. 4-6	2 Weeks
Unit 3: Ionic & Molecular Compounds	Ch. 8-10 & 11	3 Weeks
Unit 4: Chemical Quantities & Stoichiometry	Ch. 10, 12, 16 & 19	6 Weeks
Unit 5: Kinetic Theory & States of Matter	Ch. 13-15	2 weeks
Unit 6: Energy/Thermochemistry	Ch. 17	2 Weeks