INSTRUCTOR	PERIODS	CONTACT INFO
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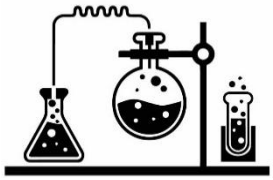

Text: Chemistry: Matter and Change (Glencoe)

Course Description

Chemistry is a branch of science which investigates the composition of matter, the reactions that occur, the energy changes which take place and the theories which govern them. An understanding of chemistry can help you better understand how products we use everyday are made and how they work – everything from antacid tablets to gasoline.

Those individuals who intend to further their education beyond high school should consider enrollment in Chemistry II, especially those whose interests lie in the fields of nursing, engineering, teaching, medicine, pharmacy, metallurgy, genetic research, agriculture, etc.

For students planning to attend a four-year college, it is highly recommended to take at least one year of high school chemistry beyond the Chemistry I course.

Attendance

Attendance is critical. Excellent attendance is required for success in this course. This class can be rigorous, intense and fast paced. This is an easy class to fall behind in very quickly if you are not prepared and do not keep up with the pace of the class. You are expected to come to class with all assigned readings and homework assignments complete so you are prepared to participate in lab, problem solving activities and discussions.

Course Expectations

Students are expected to be on time to class with their notebooks and calculators. Cell phones should be put away unless the instructor asks for students to use one as a tool. Students are asked to purchase composition notebooks to take notes and collect data.

Lab safety is of the utmost importance since many of these labs will be student-directed inquiry-based labs involving potentially dangerous chemicals. Close-toed shoes need to be worn on all lab days. No food or gum in class...ever! Drinks can be consumed only in the lecture area and must be in a sealed container. Goggles will always be worn in the lab area, even during the "safe" lab activities.

Grading

Through assessment it is our goal to gain a clear understanding of what the student has learned as a means to offer additional instruction to support further learning. Student grades are a means to provide feedback about a student's progress. Progress grades are provided at the end of 1st and 3rd quarters. These grades are not part of the student's transcript. Formal transcript grades are issued at the end of each semester. Grades are assigned based upon evidence and depth of student learning toward identified standards.

Grade	General Grading Criteria
A	Student has an advanced understanding and/or exceeds course expectations
B	Student has proficient understanding and/or meets course expectations
C	Student has a basic understanding and/or partially meets course expectations
D	Student has a minimal understanding and/or does not meet course expectations
F	Student has failed to demonstrate minimal course expectations

Our goal is to have students focus on learning. Grades represent student learning, not an accumulation of points. Extra credit will only be allowed when it relates directly to a learning objective and represents a higher level of learning. Late work will be accepted up until the time of the summative/unit/chapter test. Additional time may be provided at the discretion of the teacher, but not longer than the semester grading period. Grades given will not include attendance. Although a student's presence in class will obviously have ramifications upon their ability to learn targeted material, the lack of attendance will be monitored, and appropriate consequences will be issued through a means other than grading.

Redo's/Second Chances

Additional attempts at quizzes and tests are available under the following guidelines.

- Redo's must be completed by no later than one week after the original score was released.
- Students will be required to have ALL chemistry exercises completed prior to the next attempt.
- Student's will be assigned additional chemistry exercises that MUST be completed prior to their second attempt.
- Students will receive the score they earn on the second attempt even if the second score is lower than the first.

Work completed after due dates

A maximum of 50% credit is earned on chemistry exercises turned in after the due date/time. Students who do not show a good faith effort on their chemistry exercises will receive zero points.

Chemistry Exercises

There will be chemistry exercises that go along each concept taught. Chemistry exercises will come from the book and supplemental materials. In most circumstances, you will be given class time to begin work on the exercises. Work not completed in class will be assigned as homework. All exercises are expected to be done by the specified due date. If you can't get the answer, you should at least set up the problem like we did in class. For conceptual questions, you must give an acceptable explanation. There is a VERY LARGE focus on conceptual understanding and the ability to explain your answer with math AND words. If you write nothing, you have obviously not given the required effort. If you do not do the exercises I can assure you that you will not do well on the exams. Chemistry is learned through practice. Just watching me do the problems is not enough. Note - A maximum of 50% credit can be earned on chemistry exercises turned in after the due date/time. Students who do not show a good faith effort in completing their chemistry exercises will earn zero points.

Academic Dishonesty

Cheating undermines both the cheater and class morale. Avoid doing yourself this disservice: it carries heavy consequences. Please see the Student Handbook to find more information about academic dishonesty

How to Succeed in Chemistry II

Do your homework - Practice, Practice, Practice.

Attend Enrichment - Don't be afraid to ask questions! Proactive responses are better than last minute panic! Bring your questions and be prepared to listen to the questions of other students.

Be a good class citizen - Smile at your classmates and introduce yourself to someone you might not know. Ask someone in the class how their day is going.

Turn off and put away all electronic devices while in class – Chemistry can be challenging enough when you are focused. Distractions via your phone will only make it more difficult.

Form a study group - Working with a study group outside of class will help you learn the material deeply. Take advantage of your opportunity to both challenge and assist your peers by studying with them.

Classroom Environment

WE ARE RESPECTFUL
- -One voice at a time
- -Stow electronic devices when you step in the door
- -Treat property and equipment with care
- -Follow directions
- -Use appropriate language

WE ARE RESPONSIBLE
- -Show up prepared and ready to learn
- -Bring all necessary materials to class
- -Two feet in the door
- -Manage your belongings
- -Complete work on time

WE ARE INVOLVED
- -Stay on task
- -Be an active participant
- -Use free time productively
- -Advocate for your own learning

Equipment Provided

You will be using a lot of expensive and fragile equipment during class. Treat it with respect, only as directed and use common sense when working with it. You will be charged the amount that it will cost to repair or replace any equipment that breaks while in your use. Lock your lab drawer at the end of class. Keys to lab drawers must stay in the classroom and need to be returned to the designated cabinet at the end of the class period.

Course Content – Below are the units covered in class. More detailed information will be posted on Google Classroom prior to each unit being covered in class.

UNIT	UNIT TITLE	TENTATIVE DATES	DAYS
1	Electronic Structure of Atoms	8/28 – 9/22	14
2	Periodicity	9/25 – 10/19	15
3	Bonding Theories	10/20 – 11/16	14
4	Chemical Reactions	11/17 – 12/15	15
5	Stoichiometry	12/18 – 1/12	10
S1	Semester 1 Final Exams	1/15 – 1/18	3
5	Stoichiometry Cont.	1/22 – 1/30	5
6	Energy and Chemical Change	1/31 – 2/26	15
7	Kinetic Theory and Gas Laws	2/27 – 3/21	14
8	Mixtures and Solutions	4/1 – 4/26	16
9	Acids and Bases	4/29 – 5/23	15
S2	Semester 2 Final Exams	5/24 – 5/30	3