Chemistry 1 Syllabus

Teacher: Mrs Masters
Room: S233
Course length: 1 year
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Course Description:

Chemistry 1 presents a general introduction to the basic concepts in chemistry. Concepts include moles, stoichiometry, equations, bonding, atomic theory and structure, gas laws, acids/bases, thermochemistry and kinetics/equilibrium. This course alone does not complete the chemistry curriculum as needed for college; therefore, AP Chemistry is also needed if a student is planning to attend college to pursue science related fields, such as medicine, pharmacy or engineering. This course will emphasize in-depth use of algebraic skills. It is strongly recommended that students have taken Algebra 1 with a grade of "C" or higher.

Textbook(s):

Chemistry (Pearson)...in class copy, as needed
CK12 online textbook
reference book (provided)

Materials Needed:

Folder, though 90% of material will be on the Chromebook
Chemistry 1 reference manual (provided)
a scientific calculator (must have exponents)
pencils
goggles (from previous years) and left in room

Grading Policy:

homework...varies per assignment
labs....15 pts to 30 pts per lab
in class assignment...varies per assignment
quizzes...15 pts to 30 pts per quiz
tests...100 pts per unit

tests: 55%
everything else: 45%

The grading scale is the board adopted scale:

93-100 = A	70-72 = C-
90-92 = A-	67-69 = D+
87-89 = B+	63-66 = D
83-86 = B	60-62 = D-
80-82 = B-	59 or below = F
77-79 = C+	
73-76 = C	

Typical Week:

Sunday night or early Monday morning, a weekly calendar will be posted of what we will be tentatively doing for the week. Remember, it is a tentative calendar and subject to change as needed. I will try to put reminders on it for tests, quizzes, etc. While assignments will be listed, you will not have access to those assignments until that day. For example, you won't have access to Thursday assignments until Thursday. Each assignment will be numbered as a reference and titled in Google Classroom. It will also be posted in the room. Each assignment will also have a due date listed as well. As such, you cannot use the excuse, I didn't know….

Homework Policy:

For each unit, you will be given numerous assignments as homework. Homework is not busy work, or work given just so I can say that I gave you an assignment. It is legitimate practice of what was done in class that day so that we can move on the next day or to determine whether or not you understood what we did in class that day. It is very important you do the assignment so that we can move on. If you don't do the assigned work, it is very easy to fall behind, but becomes very difficult to catch up. My best piece of advice…stay caught up.

If you are absent, you will be given a deadline by which time it must be turned in (usually 1 day out, 2 to turn in, because you need to find out how to actually do the work). Be certain to ask what your homework is...if the class is assigned evens, you will be assigned odds or you may only need to #1-5 when the class did #1-10. If there is a worksheet #1, you will be assigned worksheet #2. After this time, it will be counted as late and either worth, at most, half the points or worth zero points. Which of these is at my discretion. Failure to turn it in by the deadline will result in it being considered late. **Once homework has been returned to the class as a whole, you cannot turn it in**. Other homework resources include Khan Academy, CK12. In other words, ***assume nothing, ask everything, all the time, every time.***

All homework must be at least tried or attempted. I ask that you work on the problem for at least 3 -4 minutes before moving onto the next problem. Be sure to find out how to do the problem the next day in class. While I have no problem, and in fact, encourage you to write down any sort of problem you missed, it does you no good if you haven't practiced getting to that point. It is imperative that the homework be completed as soon as possible. If you didn't complete a problem(s) because you didn't understand it, I usually have additional problems to do, to make up the missing points, but you must ask for the problems THAT day and write down the missing answers to the unknown problems.

We will go over selected problems of my choosing, at the beginning of each class. We will also go over any problems you wish to go over.

Late assignments are only accepted at my discretion.

Of special note: Copying answers from someone else is considered cheating, resulting in BOTH of you getting zeros. You and I both know what copying is, and what sharing answers is and all that you want to call it, by any name.... it's still cheating and it's still a zero. So, let me be very, very clear...do NOT copy answers, either from papers, cell phone pictures, returned papers or anything else that I haven't thought of. I will eventually catch you and you both will get a zero. Period. No negotiations.

Late Work/Absent Work Policy:

If you are absent, it is your responsibility to find out what you missed; I will not track you down...there are approximately 150 of you this year. You have 7 classes. It's easier for you to keep track of your assignments that you need to make up. Ask me. Homework can only be made up for full credit if you have an excused absence or an excused tardy to school.

If you miss notes, ask a classmate if you can borrow theirs. You will not do well on the tests if you have not copied notes from someone. If I have the notes, I'll give you a copy. It is YOUR responsibility to get any and all notes you may have missed.

NOTE: Once papers, any papers, have been graded and returned, you cannot turn it in late for any credit.

If you miss a test or quiz, it will be made up during class, usually the next day or two. You are still responsible for the work that day. If a test is not made up by the given deadline, it will be 25 % off per day. Quizzes will not be made up after the given deadline. Staying after school may or may not be possible. My schedule is completely unsettled and changes day to day.

Lab Information:

If you miss a lab, it must be made up according to my schedule. You will be given a lab handout for every lab. This is to be followed to the letter. Labs vary in point value, somewhere between 15 and 40 points.

If a prelab is assigned, they must be done before you can do the lab. If they are not completed prior to the lab you will not do the lab. If you do not complete the lab, you will receive a zero for the unfinished portion. You cannot make the lab up if you do not complete the lab for failing to do the prelab.

You must wear goggles at all times when in a lab. There are no exceptions. This is a school policy, and a state law. It will not change. If you remove your goggles, you will receive a zero for that lab and a referral to the deans for a violation of lab safety. TAKE NOTE OF THIS NOW AND ACCEPT IT.

Lab reports are your responsibility, not your lab partners. It is important to remember that the only part of lab reports that will be the same as your lab partner's will be the data table and possibly the calculations; questions and conclusions are to be written by yourself. If you

and your lab partner have the same answers, it is considered cheating and you both will receive a zero. I grade your papers side by side, so it is very easy to catch the "sharing of answers."

Of special note: Copying answers from someone else is considered cheating, resulting in BOTH of you getting zeros. You and I both know what copying is, and what sharing answers is and all that you want to call it by any name.... it's still cheating and it's still a zero.

Cell Phones: .....NO.....need I say more.

Any issues with them and the phones "visits" the phone "mole-tel" (a pun on a chemistry unit) at the front of the room for the rest of the period. Just put them away. Life is simpler that way. Blame past classes for this.

In the meantime, I play music when I deem it will help overall. I hope you like the late 60's, all the 70's, because that's about all I listen to. I choose. Requests....maybe from my list.

Remind 101 and Gizmos and CK12:

I have a Remind 101 account set up for this class. If you wish to join, the instructions are or will be in Google Classroom. You are not required to do so, but it is convenient when I need to send out a message reminding you of tests, missing assignments, deadlines, etc. It is entirely up to you. Parents are free to sign up as well. If you have detailed questions, email them to me or try the one-to-one chat portion of Remind (which I'm still learning).

I will also have a Gizmos account set up for this class. There will be assignments, eventually, that will be required. I will have the detailed sign up instructions for you when all is ready. CK12 will be the online textbook resource we will use. It's up to date and very simple to use. Links posted on Google Classroom will take you right to the site.

Social Media:

Just a note regarding Facebook. While I have a Facebook account, please note that I do not accept student "friend requests." I know some teachers do, and that's fine as it's their choice, but I choose not to. Once you graduate from Whitmer, then I'm happy to and would love to continue to follow you in your successes after Whitmer. Currently, I have "friends" who are former students from over 25+ years ago.... it's wonderful to see what has happened in their life since Whitmer....but you must graduate first. So please do not be offended if I ignore any request from you. Some students have attempted to friend my children; it is entirely up to my children what they do, but I can tell you it's most likely they will not friend you back, as it makes them uncomfortable.

A second note, be VERY CAREFUL what you post. It tends to come back to you, as you know.

Course Calendar, not necessarily in this order:

unit	includes
Data Analysis	significant digits, measurements
Ionic and Covalent Formulas	ionic vs covalent formulas, stock vs traditional
Moles and Mole Formulas	moles, empirical and molecular formulas, hydrate formulas and molarity
Stoichiometry	stoichiometry, limiting reactants
Equation Types	rxn prediction, reaction types
Light and EMR	light and electromagnetic spectrum
Electron Configurations	quantum numbers and electron configurations
Periodicity	trends within the periodic table
Bonding (Ionic and Covalent)	bonding/VSEPR and formulas
Thermochemistry	enthalpy, calorimetry, heat of reactions, standard heats of formation
Gas Laws	ideal, Grahams, combined, etc
Acids & Bases	acids, bases and salts, pH, titrations
Kinetics & Equilibrium	kinetics, equilibrium, LeChateliers

Special note regarding my schedule:

My schedule after school tends to be different from day to day...unfortunately, it is what it is and is not likely to change. I try to post my after-school schedule in the room or on the calendar on Google Classroom, with the day(s) I'm staying after or can stay after, if any, with the understanding that things are subject to change on a moment's notice. When I do stay, I usually stay until 3:15 pm. The day I stay late will most likely be either Tuesday or Thursday. I do not stay after school on Friday. Please note, my schedule tends to be set for the week by Sunday night, but it is subject to change based on things that come up, that are out of my control. I will do the best I can and give you as much notice as I can, but at times, things come up that day and I have to leave immediately after school. It is what it is....