

Chemistry Course Syllabus

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Grade Level: Juniors

Book: Chemistry; Wilbraham, Staley, Matta, and Waterman

Credit: One (1)

Goals: Upon completion of this course, students will have a solid foundation in the fundamentals of chemistry, as well as knowledge of typical experimental procedures that will enable them to perform on level in an advanced level science course(s).

Content Outline:

1. Lab Safety and the Scientific Method
2. Introduction to Chemistry
3. Matter and Change
4. Scientific Measurement
5. Atomic Structure
6. Models of the Atom
7. The Periodic Table
8. Ionic and Metallic Bonding
9. Covalent Bonding
10. Chemical Names and Formulas
11. Chemical Quantities
12. Chemical Reactions
13. Stoichiometry
14. The Behavior of Gasses
15. Water and Aqueous Systems
16. Solutions
17. Thermochemistry
18. Reaction Rates and Equilibrium
19. Acids, Bases, and Salts

Grading Scale:

- A = 90-100
- B = 80-89
- C = 70-79
- F = below 70

Grade Breakdown:

- a. daily grades (class work, homework, quizzes, labs) = 50%
- b. test grades (tests, research paper, some projects) = 50%
- c. Final Exam (SLOs Assessment)=20%

*note: the daily and test grades will make up 100% of the student's course grade up until the Final Exam. After the Final Exam, the daily and test grades will encompass 80% of the total course grade, allowing for the mandatory 20% Final Exam grade portion.

Daily Work:

Class work and homework assignments should be completed by the date specified when the assignment is made. When you miss a class for whatever reason, you are expected to make up any work missed. Assignments made and work taken up daily will be recorded weekly on the white board at the front of the room. When you are absent you must look at the board to get any missed assignments. Do not ask me first. Look at the board and if you have a question about the assignment, don't hesitate to ask me. Furthermore, if any handouts or worksheets were given the day you were out, they will be located on the front lab table. If you miss more than five consecutive days, please see me for your assignments. If you are assigned ISS, you need to see me the day before or the morning of your suspension. Homework will be assigned daily and is due usually on the following day. Lab assignments are daily grades. If you miss a lab you will be required to do an alternate assignment to make up the grade. This alternate assignment will usually be a one-page report covering the same topic that was illustrated in the lab exercise. You will also have a quiz every Thursday each of which will count for a daily grade.

Test Grades:

Test grades come from major tests given in class, and major projects or research papers. Major tests will come once a week (every Friday). Major projects will be assigned at different times during the nine weeks period.

Make-up Work:

Refer to handbook.

Notebooks:

You are expected to keep everything in your notebook: bell activities, class notes, handouts, homework, graded papers, and anything else that I give to you.

Cheating:

Cheating includes copying or sharing information on daily assignments or tests. Cheating on an assignment will result in a grade of zero, parental contact and any other consequences set forth in the handbook.

Materials:

1. three ring binder
2. dividers
3. loose leaf notebook paper
4. number 2 pencil for scantron tests
5. folder for loose papers
6. textbook (replacement cost is \$60.00)
7. calculator
8. colored pencils, crayons or markers (optional)
9. 1 box of tissues (optional)

Class Rules and Procedures:***Be Respectful:***

1. respect yourself and others
2. disruptive behavior will not be tolerated
3. you must raise your hand and be recognized by me before speaking or leaving your seat
4. obey all rules set forth in the handbook
5. when you enter at the beginning of class sit in your assigned seat and take out materials
6. when you enter any time after the bell rings, do so quietly and give me your pass to class
7. when you leave the classroom you must have my permission and I must sign a pass
8. wait for me to dismiss class at the end (DO NOT PUT AWAY MATERIALS UNTIL I DISMISS YOU)
9. if you have a question or a comment you must raise your hand and wait for me to call on you
10. you will not talk while others are talking
11. when in doubt, raise your hand and ask
12. do not ask to go to the restroom while I'm talking, if you need to go at other times, ask me and let me sign a pass
13. you are responsible for the upkeep of your area (clean desk and floor)

Be Responsible:

14. be in class before the tardy bell rings or you will be considered tardy
15. bring all materials to class (you will receive detention if you have to go to your locker to get materials)
16. no gum, food, or drinks are allowed in the classroom
17. if you need extra help come to me and schedule a time to come for help
18. when in doubt, raise your hand and ask

Be Safe:

19. raise your hand and ask before leaving your seat even if you are just going to the pencil sharpener
20. at the beginning of class you are expected to be in your seat facing the front quietly
21. if the phone rings or someone comes to the door, you need to remain seated and quiet
22. you are responsible for the upkeep of your area (clean desk and floor)
23. when in doubt, raise your hand and ask

Discipline Procedures:

A student who breaks a rule or fails to follow a class procedure will be asked to stay after class. Consequences will range from a warning, to detention, to parental contact, to an office referral depending on the severity of the infraction.

PBIS:

Discipline tiers and recognition.

Handbook/Code of Conduct:

Follow rules and procedures set forth in the student handbook/code of conduct.

Cell Phone Policy:

The new cell phone policy is set forth in the handbook. Cell phones, portable music devices and any other electronic devices are NOT allowed in class unless expressly indicated by the teacher.

Final Exam Policy:

Students enrolled in chemistry at PHS will take the state mandated Student Learning Objectives (SLO) assessment at the beginning and end of the chemistry course to measure student academic growth in the subject.