



Chemistry Syllabus 2014-2015

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Course Description: This is a two-semester course designed to prepare students for college level chemistry and for students pursuing science related majors. The following topics will be covered during first semester. For specific content objectives, please refer to the Georgia Performance Standards website at <http://www.georgiastandards.org/science.aspx>. Go to "Grades 9-12, Chemistry Standards with Tasks".

Unit	Unit Title	Topics/Content	Corresponding Chapters in text	Approximate Time (weeks)
1	Characteristics of Science	Introduction to Chemistry, Lab Safety & Measurement	1 and 2	2.5
2	Organization of Matter	Nature of Matter Atomic Structure & Theory Electron Behavior and Periodic Table	3, 4, 5 and 6	6.0
3	Nature & Conservation of Matter	Chemical Bonding, Formulas and Compounds Equations and Reactions Moles Empirical & Molecular Formulas	7, 8, 9 and 10	9.0
		Review for Fall Final		0.5
3	Nature & Conservation of Matter	Stoichiometry	11	3.0
4	Motion of Atoms and Molecules	Solids, Liquids & Gases Gas Laws	12 13	4.0
5	Rates, Solutions, Equilibrium, Acids and Bases	Mixtures & Solutions Thermochemistry Acids, Bases & pH Reaction Rates Chemical Equilibrium	14 15 18 16 17	10.5
		Review for Spring Final		0.5

Text: *Chemistry: Matter and Change*; Glencoe/McGraw-Hill, 2008; ISBN #: 978-0-07-874637-6

Materials (please bring daily to class): textbook, 3-ringed binder with 5 dividers (labeled openers, notes, labs, homework/classwork, quizzes & tests) and notebook paper, black/blue pens, red pen, #2 pencils, scientific calculator.

CLASSROOM RULES:

1. Obey all school rules.
2. Be polite and respectful. Listen when someone else is speaking.
3. Be prompt, prepared (with required materials), alert and ready to learn. Follow all class procedures.
4. Unacceptable behavior during a lab or class activity will result in a grade of ZERO for that activity.
5. **No food or drinks** other than bottled water may be consumed in the science classroom. During labs, no bottled chewing gum is allowed.



water or

CLASSROOM PROCEDURES:

1. Student Responsibility: You are expected to be respectful towards your teacher, classmates and the property of others. If you act like mature adults, you will be treated as such. Correction of student misconduct within a given class period is as follows:

1st Occurrence Verbal Warning

2nd Occurrence Detention (Private or Public) and/or Parent/Guardian Contact

3rd Occurrence Administrative Referral & Parent/Guardian Contact

2. Seating Chart: Every student will be assigned a place to sit in the class. Assigned seats may be changed by the teacher, if the need arises. Seating assignments will be changed periodically.

3. Tardy Students: Students must be in their seats and ready to learn when the bell rings. The tardy policy **per semester** is:
 1st & 2nd Tardies: Written reprimand 3rd Tardy: Private detention 4th Tardy: Public Detention
 5th Tardy: 2 Public Detentions 6th Tardy: Saturday school 7th Tardy: SOS or ISS



4. Leaving the Room: Students must use the time between classes to go to their lockers and take care of personal matters. No student may leave the room during the first and last 10 minutes of class. No lining up at the door before the bell rings.

5. Student Participation: Students are expected to pay attention and contribute to class activities and labs. This includes taking notes when necessary. Do not be afraid to ask questions!

6. Honor Code Policy: As explained in the student handbook, cheating is defined as “the giving or receiving, in any form, information relating to a gradable experience.” Violations of the honor code will result in a zero for the assignment, plus an honor code violation form placed in the student’s disciplinary file. Read the handbook carefully to fully understand what constitutes a violation. The Honor Code policy will be strictly enforced. For major assessments, a formal Honor Code statement will be signed.

Upon teacher request, students may be required to email papers to **turnitin.com**. The website checks the submission for plagiarism, and reports to the teacher that the student’s work was not copied from any source.

7. Homework and Assignments: Homework (HW) and Classwork (CW) will be graded regularly. It will be graded based on effort and/or on accuracy. Simply writing down numbers or letters is **not** considered effort. **Show your work!** Classwork is comprised of activities that we do in class but are not labs. **In addition to assigned homework, students are expected to read each chapter in the textbook.**

8. Late Work: All work is due at the beginning of class on the date it is due. No late work is accepted except in the case of an excused absence. Labs and projects will be accepted late for a penalty of 20% each day. Students will be eligible to earn 2 late homework passes to use during the semester. These allow you to submit completed homework one day after it was due.

9. Make-up Work : You are responsible for making up all missed work. Students are given the same number of days to complete make-up work as the absence, not including the day of return. Labs, tests and quizzes must be scheduled promptly with the teacher upon return. Labs must be made up within 1 week of return or an alternative assignment will be given. Assignments made prior to the absence, including tests and quizzes scheduled for the day of return, are due upon the student’s return. Students who are present for any portion of the school day (i.e. TAG) are expected to turn in all assignments due on that day to receive full credit. An excused absence makes the student eligible to receive full credit for making up the work missed. An unexcused absence makes the student eligible to receive a maximum score of 80%. See student handbook for more information. Make-up work must be personally handed to the teacher.

10. Missed Work: There will be a “Missed Work” file in the room. I will place the any handouts for each day in the binder. **It is your duty to obtain notes, homework and handouts that you missed.** The best way to keep up with missed work is to have a “study buddy” to copy notes from and to keep you informed of what you missed.

11. Quizzes and Tests: Scheduled quizzes (both content and lab) as well as “Pop” quizzes will be given to assess the level of student’s understanding. There will be a test after the completion of every chapter or group of chapters.

12. Lab Experiments: Lab work is very important in chemistry and offers hands-on experience. It is critical that you listen carefully to instructions and follow all safety rules to perform the labs in a safe and accurate manner. Lab equipment is shared among many classes, so you are responsible for paying for any lab equipment that you break.

13. Openers: Every class will begin with an “Opener”. The students will be expected to begin the opener immediately when the bell rings. Openers will be kept in a separate section of the binder. Periodically, quizzes may be given based on the openers. Students will be allowed to use the openers in their notebook to answer the questions on the quizzes.

14. Notebooks: Notebooks will include the syllabus, handouts, openers, notes, labs, class work, homework, and quizzes/tests. **Save all** your work to study for your cumulative final exam.

15. Help Sessions: Extra help is available before and after school. Please see me to arrange a mutually agreeable time. Chemistry takes practice and continuously builds on itself. It is important that you master all concepts before moving on to the next one.

16. Provision for Improving Grades (formerly known as the “recovery” policy) Updated from Board Policy Docs -Aug 2011

Opportunities designed to allow students to recover from a low or failing cumulative grade will be allowed when all work required to date has been completed and the student has demonstrated a legitimate effort to meet all course requirements including attendance. Students should contact the teacher concerning recovery opportunities. Teachers are expected to establish a reasonable time period for recovery work to be completed during the semester. All recovery work must be directly related to course objectives and must be completed ten school days prior to the end of the semester.

Teachers will determine when and how students with extenuating circumstances may improve their grades.

18. Progress Reports: Progress reports will be issued every six weeks. Parents/guardians may access their children's assignments, grades, attendance, and discipline records via the Internet through **Home Access Center**. Please visit www.northviewhigh.com. Parents/guardians may correspond with me via email at any time to schedule a conference to discuss any concerns.

20. Grading Procedure:

Tests: 35% Labs: 20% Quizzes: 15% Homework/Classwork: 15% Final: 15%

Grading Scale: A= 90 and above B= 80-89 C=70-79 F= 69 and below