

### *Amos P. Godby High School*

###  1717 W. Tharpe St.

### Tallahassee, FL. 32303

 **850.617.4700**

### Course: Chemistry I, 20033400 Teachers: Ms. Magdziak & Ms. Gwin

###  Chemistry I H, 20033500

## **Credit:** 1.0  **e-mails:** magdziakm@leonschools.net

##  gwine@leonschools.net

**Availability:** After school by appointment or during lunch on selected days.

I. COURSE DESCRIPTION:

The purpose of this course is to study the composition, properties, and changes associated with matter and their applications. The content should include, but not be limited to, the following: the nature of science; matter – its classification, structure and changes; atomic theory; the periodic table; bonding; chemical formulas, chemical reactions, and balanced equations; stoichiometry; reaction rates and equilibrium; acids and bases, oxidation and reduction; behavior of gases; dynamics of energy; and the chemistry of life.

#### This course will meet the graduation requirement for science.

II. COURSE GOALS & OBJECTIVES:

After successfully completing this course, the student will:

* Apply knowledge of the nature of science and scientific habits of mind to solve problems, and employ safe and effective use of laboratory technologies.
* Demonstrate understanding of matter, its classification, structure, and changes.
* Demonstrate understanding of atomic theory.
* Demonstrate understanding of the application of the periodic table.
* Demonstrate understanding of covalent and ionic bonding.
* Use chemical formulas to write balanced equations and predict reaction products.
* Explain the behavior of gases in terms of gas laws and kinetic molecular theory.
* Demonstrate understanding of reaction rates and equilibrium.
* Demonstrate understanding of the dynamics of energy.
* Demonstrate understanding of the interactions of chemistry with technology and society.

III. REQUIRED TEXTBOOKS:

1. Glencoe Chemistry – Matter & Change, 2012 Edition. Replacement cost is $83.97.

 REQUIRED EVERY DAY!!

IV. SPECIAL COURSE REQUIREMENTS & MATERIALS:

1. Scientific Calculator – TI-30Xa or TI-30XIIS preferred. TI graphing calculator required in trig is also acceptable.

 Lab Fee $ 5.00 – covers chemicals, kits, and study packets/practice sets

 3-Ring Notebook, daily planner, pencils, eraser, and red pen required every day!!

2. AVAILABLE RESOURSES:

 Online Grades: [(LCS](http://www.oasis.godby.leon.k12.fl.us) Parent Internet Viewer) ACT prep: [www.actonlineprep.com](http://www.actonlineprep.com)

 SAT prep: [www.collegeboard.com](http://www.collegeboard.com)

**V. GRADING:**

 **1. COUNTY GRADING POLICY**:

The high school grading system for Leon County Schools is as follows:

Letter Percentage Points

A 90-100 4.0

B 80-89 3.0

C 70-79 ` 2.0

D 60-69 1.0

F 0-59 0

**2. TEACHER GRADING POLICY:**

The grading policy will be the same as that approved for the 2016-17 school year. Please be aware that passing this course requires you to demonstrate proficiency/mastery of the Next Generation Sunshine State Standards/Benchmarks for Chemistry I. Both tests and labs address these standards.

Each nine week grade will consist of the following components:

 **Chemistry**

Assessment\* 70 %

 Tests/Quizzes

 Labs

Classwork/Homework 30 %

**\*Redo Policy**

Any student who fails to pass a quiz or test may retake the assessment prior to the next assessment AFTER coming in to go over the test failed and coming in for help after school. Any student who receives a failing grade on a lab may also redo the lab report and/or repeat the experiment after school prior to the next lab experiment. Repeated tests will receive 70% of the assignment value and repeated labs and/or lab reports may receive full credit of the assignment value.

Most chemistry students should expect to receive a 3 in conduct. Exemplary conduct marks are reserved for the academically outstanding students that ALWAYS follow the rules, rarely miss class, are always on task, never noisy, never out of their chair, willing to work with others and are intrinsically motivated. A two in conduct (2) is assigned if you fail to follow classroom policy, fail to serve a detention, or are the recipient of a referral. A one in conduct (1) is assigned if you have multiple referrals or exhibit defiance.

*Plagiarism is defined as the false presentation of another’s writing or work as one’s own. Do NOT commit this offense in this class. Plagiarism will result in a “0” on the given assignment, with the inability to re-do the assignment for credit. In additional a parent or guardian will be contacted. Your guidance counselor will also be notified. Depending on the severity of the offense, or in cases of repeat offenses, the school administration will be contacted and informed and serious penalties will follow.*

**VI. CLASSROOM MANAGEMENT:**

 **RESPECT**

Yourself

1. Bring notebook, daily planner, scientific calculator and pencil to class every day unless otherwise announced.

2. Complete all reading or written assignments given as homework on time. This is the only way to get the best education available to you. LATE DAILY WORK, HOMEWORK AND MINI-LAB REPORTS WILL NOT BE ACCEPTED. NO EXCEPTIONS.

3. Confine all grooming to a personal location, not the classroom.

4. Follow all safety rules with exactitude.

5. Study for all tests and quizzes. It will be to your advantage to keep current with reading assignments and problems since quizzes may or may not be announced.

6. ALL school rules apply in this classroom. Yes, this means NO HATS, NO CARDS, NO FOOD, NO DRINKS, NO BEEPERS, AND NO CELLULAR PHONES. SAID ITEMS WILL BE CONFISCATED.

Others

1. Arrive in class on time…before the tardy bell rings. You must be in your assigned seat when the tardy bell rings, not on your way to the seat or flying through the door at supersonic speed. Your materials must also be out and ready for use. You are allowed one free (ie. warning) tardy per nine weeks, after which you will receive a “tardy detention” which will require your attendance for a thirty minute work detention in the classroom after school in addition to a parent contact. You must serve your detention within five school days. Failure to serve will result in the detention being doubled and another phone call to your parent. Failure to serve the doubled detention will result in a referral to the office. A third tardy will result in a referral as per the tardy policy. A fourth tardy is recorded as a “Late” which is an unexcused absence. AFTER SCHOOL ACTIVITIES AND JOBS ARE NOT EXCUSES FOR FAILURE TO SERVE A DETENTION. IF YOU DO NOT HAVE THE TIME TO SERVE A DETENTION DO NOT BE TARDY TO THIS CLASS. \*\*\*ANY TARDY POLICY ADOPTED SCHOOL-WIDE WILL BE STRICTLY ENFORCED IN ADDITION TO THE ABOVE POLICY.

2. Listen in class. Speak only after raising your hand and being recognized. Save private discussions for non-class time. The person addressing the class, whether myself or a fellow student, deserves respect and common courtesy.

3. Follow directions promptly.

4. Stay on task.

5. Refrain from all disruptive behavior.

6. Do not deface or destroy any school property or equipment.

7. You are allowed four bathroom or locker passes per nine week grading period. Additional passes carry a thirty minute after school price. No passes are given during the first or last ten minutes of the period. Don’t ask!!! You must complete the log prior to leaving the room.

8. During tests and quizzes, do nothing while you are taking the test, or after you have completed the test, that will distract others still taking the exam. During testing there will be absolutely no talking until all test papers are in and you have been released by your teacher from testing conditions. Cheating on any test (or individual assignment) results in a zero, a phone call to your parents, and enforcement of the school policy for cheating. Touching your phone FOR ANY REASON during an assessment is considered cheating and results in a permanent and perpetual zero on the assessment.

9. **Make Up Policy**: Upon returning from an excused absence, you have two days to complete any and all make-up work (including quizzes, tests, and labs) for each day that you were absent unless other arrangements are made with the instructor. It is YOUR responsibility to determine what you have missed, to see your teacher for the appropriate handouts, and to plan to stay after school in order to complete this work. Unless IMMEDIATE arrangements are made with the teacher, all assignments not completed within the appropriate time frame will automatically become zeros.

10. Sit in your assigned seat. Failure to be in your seat may cause you to be marked absent since roll is taken from a seating chart.

11. Keep all book bags and back packs out of the aisles and under your chair.

Property

1. You will be assessed for damages to your text and for broken glassware.

2. Leave all laboratory materials and your assigned lab station in at least the condition you found them. If possible, it would be preferred to have them even neater and cleaner.

3. Use all equipment and materials only in the manner in which you have been instructed. Do not disturb any lab materials that you have not been instructed to use.

**CLASSROOM PROGRESSIVE DISCIPLINE**

A copy will be provided and reviewed in class during the first week. It is required that both student and parent review, sign and return form for Student Services.

**VII. POSITIVE REWARD SYSTEM:**

Students that exhibit positive behavior will be rewarded. It is our belief that having a positive reward

 system inside the classroom will improve behavior and academics, provide incentive, and will increase

 motivation.

**VIII. COURSE OUTLINE:**

First 9 Weeks: Second 9 Weeks:

 Introduction to Chemistry Electromagnetic Spectrum

 Lab Safety Quantum Model States of Matter & Phase Changes Electron Configurations/Orbital Diagrams

 Matter – Properties & Changes Periodic Table

 Energy Periodic Trends

 Nature of Science Ion Formation

 Atomic Theory Ionic & Covalent Bonding

 Atomic Structure Intermolecular Forces