Welcome to the world of Chemistry 2019/2020 Dr. Deb Baltenberger (MrsDrB) & Mrs. Whitney Fulford

First, let us say that we look forward to having each of you in class. We are available for help or questions whenever needed. We are almost always available after school until 3:45 (sometimes later – if needed). Let us know when you need help and we can schedule a time.

The phone number for the school is 903-2260, please leave a message. We will return it as soon as we can. Our school email addresses are baltenbergerde@lee.k12.ga.us and fulfordwh@lee.k12.ga.us Note: we check our school emails regularly. While we cannot promise that we will respond at night or on weekends, you may send an email anytime. In the case of a real emergency, please send a text (that includes first and last name and a reason for the text) to MrsDrB (before 10:30 PM) at 886-2853.

Please read the syllabus & then complete the attached assignment that says you have read & understand these policies and procedures.

Textbook: Modern Chemistry, Holt, Rinehart, and Winston (replacement cost is $71.95)
Each student is assigned a shared textbook that is to be "signed out" daily for use during class. This book is shared with other students in my other chemistry classes and **cannot be taken home**. For students who need a book at home, **there are a limited number of books that can be officially checked out**. Students are expected to take care of the book and are held financially responsible for a book that is lost or ruined through mis-use.

Course Description: This course introduces you to the study of matter & its changes. Chemistry is the "central" science. The instruction in this course is a combination of lecture (in class & by online video) demonstrations, laboratory assignments, & student-centered learning, where you learn by doing instead of by watching. **We WILL include various methods of BYOT (Bring Your Own Technology)** & will discuss our expectations for this during the first week.

Basic Classroom Rules & Expectations: In order for all of us to get the most benefit from the upcoming school year, certain basic rules exist.

Students are expected to:

1. Follow school-wide policies (this includes dress-code, tardies. & use of technology (cell phones, mp3)
2. Come to class with all supplies (paper, pencil, etc)
3. **PUT YOUR PHONE AWAY**, unless we have specifically said we are using it.
4. Be in class, listen, take notes when necessary, and participate in ALL class activities

NOTE: Students are NOT allowed to do work for other classes until AFTER completing all Chemistry work and then, ONLY with specific permission of the teacher

5. Sleep at home, not in class
6. Eat at home or in the cafeteria. Food/drink are NOT permitted. Water is ok, except during labs
7. Have a good attitude towards learning and don't be afraid to ask questions
8. Do your own work – NO CHEATING!
9. Arrange with the instructor (within three days of an ***excused*** absence) to make up missed work. It is YOUR responsibility to make arrangements. If the work is NOT made up as arranged, zeros will be given for the missed work!
10. NI's, CCR's, ADMN absences – it is the student's responsibility to talk to the teacher BEFORE missing class to identify assignments/activities/tests that are scheduled (to be due/occur) during the absence. Assignments are STILL due, tests need to be taken early or on the same day, and other activities may (or may not) be rescheduled. It is the student's responsibility to make arrangements to turn assignments in on time or schedule the test to occur (on or before the day it is to be given to those present).
11. YOU BREAK IT – YOU BUY IT! (this refers to ANY material found in classroom or used in class that does NOT belong to you).

A philosophical thought from Mrs.DrB: My father told me when I was very young that *if I am willing to complain about something I don't like I should also be willing to give compliments about things that I do like.* That being said…

Consequences of behavior: You should expect to be commended for good behavior, just as you expect to be disciplined for behavior problems. We contact parents for things you do well just as we will contact them for poor choices with regard to behavior! On the other hand, poor choices with regard to behavior (school-wide policies & classroom policies) will result in:

First offense* – warning from teacher

Second offense – one on one conference between teacher & student (usually conducted after class – may result in an unexcused tardy for the next class period)

Third offense – parent contact WITH before or after-school detention & (if warranted) immediate removal from classroom

Fourth offense – referral to the administration for further disciplinary actions

* there are some behaviors that will require immediate referral to the administration

Special assistance

In support of our school's MTSS (student support) plan, we hold weekly after-school tutoring every Thursday afternoon from 3:30 until 4:00.

Lab make-ups (as needed) are scheduled for the first Tuesday afternoon after we have completed the lab. Make-up labs will ONLY be offered one time. As needed, lab make-ups may utilize a virtual lab activity that will be done independently, at home.

Course Assessment Plan

Semester Grades – the average of the two nine-week grades = **80% of the semester grade**
the grade obtained the Final exam = **20% of the semester grade**

NOTE: Chemistry does NOT have an EOC test. This means that, students ARE allowed to exempt both the fall & spring semester final exams – as described in the student handbook.

9-week grades are calculated using the point system as explained below:

- ✓ **Tests:** are worth 100 points each and you can expect 3-4 major assessments (tests) per 9-week period. Tests will cover knowledge & application of important concepts as well as details about lab results
- ✓ **Quizzes**: (number of quizzes per grading period vary, 1 point per question). Quizzes can be announced or unannounced as needed and cover material studied since the last test or over a specific day's material. BE READY
- ✓ **Projects/peer group debates/writing assignments:** when given, these are worth somewhere between 50 to 100 points. These are assignments that require use of the Internet. Students are expected to notify the instructor of concerns before due date.
- ✓ **Laboratory procedures**: (15 – 30 points) all laboratory activities are given two separate grades. Students can expect 6-8 labs per nine-week grading period.
  - grade #1 ***lab dress code & participation***; In order to get these points, students must:
    - have on proper lab clothing
    - complete the lab as directed without horseplay
    - a grade of zero is not replaced when students make up the lab after school
  - grade #2 ***Lab data sheet and/or quiz*** (every student turns in his or her own lab report)
- ✓ **Daily/class work/homework**: these assignments range from 2 to 20 points. It is important to understand that you will NOT turn in all work that you do in class or at home. We will select random assignments (for a unit) to turn in the DAY of the TEST. Much of the work turned in is work assigned in class. Some we will do as a class & others will be done individually. We do not believe in homework for the sake of being able to assign homework. If it is assigned it is because it has a purpose & needs to be completed.

Assignments (are due at the beginning of class on the due date)

- ✍ **ALL ASSIGNMENTS** utilize previous scientific training, math & language art skills.
- ✍ **LABORATORY PROCEDURES** require proper laboratory safety. Students who are unwilling to follow safe laboratory procedures will not participate in the laboratory & will receive zeros for all related grades. Students work in teams during laboratory procedures at assigned lab stations.
- ✍ We work with students to make sure that, whenever possible, assignments do NOT conflict with other major assignments given by other teachers.

- ✍ **LATE ASSIGNMENTS** are assessed a 10% penalty per day. After 3 days a ZERO is given! The penalty is BEFORE the assignment is graded for content. The ONLY excuses that preempt this are those that we have approved PRIOR to missing a due date!

Course Objectives (Department of Education – Georgia Standards of Excellence)

First semester:

- ➢ Unit 1 **- Introduction to Chemistry**: Math and Measurement. Students will use science laboratory skills throughout the year. In order to have safe labs ALL students must show proficiency in basic lab safety, equipment use, and data analysis.
- ➢ Unit 2 **- Matter**: Students will analyze the nature & classification of matter, the phases of matter, and the classifications of matter
- ➢ Unit 3 – **Atomic Structure & Compositional Stoichiometry**: Students will use the modern atomic theory to explain the characteristics of atoms. Students will use Mole Concept to begin discussing atoms in terms of mass, moles and molecules
- ➢ Unit 4 – **Periodic Table**: Students will use the organization of the Periodic Table to predict chemical and physical properties of elements and of chemical families
- ➢ Unit 5 - **Electron Placement in the atom**: The electron is the atomic particle that establishes the reactivity of elements. Students will use the placement of the electrons within an atom to describe the reactivity and energy of elements

Second Semester:

- ➢ Unit 6 – **Bonding**: Students will relate how the Law of Conservation of Matter is used to determine chemical composition in compounds/ chemical formulas and names
- ➢ Unit 7 – **Chemical Reactions & Rates of Reaction**:
  - o Students will relate how the Law of Conservation of Matter is used to determine chemical composition in chemical reactions
  - o Students will understand that the rate at which a chemical reaction occurs can be affected by changing conditions of the reaction
- ➢ Unit 8 – **Gases**: Students will understand the effects motion of atoms & molecules in chemical & physical processes
- ➢ Unit 9 – **Solutions, Acids and Bases**: Students will characterize the properties that describe solutions and the nature of acids and bases.