

## LCHS Chemistry 2024-2025

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**Welcome to the world of Chemistry!** I am looking forward to the 2024-2025 school year. While Chemistry is a rigorous course, I am confident that you are ready to put out the effort to be successful. My job is to provide you with the instruction, resources, activities, and assistance needed to be successful.

If you need to reach me by phone during the school day, please call the school (903-2260) & leave a message. My school email is listed above. During the school day, I will check my email periodically throughout the day.

Please download and sign in to Parent Square or Student Square. This is the preferred method of communication with the district for the upcoming school year.

Please read the syllabus, and Flinn Safety Contract & then **complete the form to confirm that you have read & understood the information in the syllabus.**

**Course Description:** This course introduces you to the study of matter & its changes. Chemistry is the "central" science. The instruction in this course is provided using a combination of lecture, virtual & in-person laboratory assignments, quizzes, and LOTS of problem solving. Chemistry is a course that builds upon itself. What you learn in the beginning of the year, will still be used in January and all the way to May.

### Course Objectives

#### First semester:

- **Introduction to Chemistry:** lab safety, math, measurement, laboratory skills, & equipment use
- **Unit 1 - Structure and Properties of Matter:**
  - Particle View of States of Matter
  - Phase Changes and Particle Interactions
  - Kinetic Molecular Theory
- **Unit 2 -Chemical Bonding and Interactions:**
  - Classification and Interactions of Matter
  - Molecular Structure and Properties
  - Covalent and Ionic Bonding

#### Second Semester:

- **Unity 3-Chemical Quantities:**
  - Counting Particles in Substances
  - Counting Particles in Chemical Reactions
- **Unit 4-Chemical Transformations:**
  - Precipitation Chemistry
  - Oxidation-Reduction Chemistry
  - Acid-Base Chemistry
  - Thermochemistry
  - Reactions Rates

Please make sure to join Google Classroom. The codes for these will be provided to you. We will also be using College Board throughout the year.

### Classroom Rules & Expectations

**When you are in the classroom, you are expected to:**

1. Come **prepared** for class; **have the needed supplies** (see supply list below)
2. **Sit up in your desk**, have your brain, eyes, & ears turned on; listen, take notes (as needed), & complete assignments, participate in conversations by asking or answering questions
3. **Be on time**. You are considered tardy if not in your assigned seat at the bell.
4. Unless you are using it to gain access to class, **PUT YOUR PHONE AWAY**.
5. **Food/drink are NOT permitted in the classroom**. Water/Gatorade in a clear water bottle is ok.
6. **Turned assignments on time**; they need to be **legible & organized**; & **they need to be YOUR work, not someone else's!**

**When you miss class (due to illness, school activity, etc.):**

1. Since most everything will be available to you online (through Google Classroom), you are expected to log into Google Classroom (for your class period) to find out what we did in class and what you need to do to stay caught up.
  - PowerPoints (& other resources) will be posted in the classroom, so you can see the content that was covered.
  - Worksheets/assignments will be there also
  - If you have access to a printer, please print out any worksheets/assignments made and try to complete them (if you need help, then be ready to ask for assistance when you return).
2. **Make-up work:**
  - It is **my responsibility** to be available to help you understand the material taught during your absence.
  - It is **YOUR responsibility** to find the resources and complete the work. If the work is NOT completed as arranged, zeros will be given for the missed work!
  - if you have a **planned ABSENCES** (including school sponsored ones), it is YOUR responsibility to talk to your teacher **BEFORE** missing class and to complete (ON TIME) any assignments/activities/tests that are scheduled (to be due/occur) during the absence.

**Supplies:**

- **composition notebook**
- **pencils (mechanical with extra lead)**.
- **calculator** with basic functions.
- **3 Prong Folder or one-inch binder**

### Getting assistance from your teacher during class

- I am here to help you understand the content of the course; if you have a question you need to ask it.
- I am also available during PRIDE or ELT if needed-please make arrangements accordingly. I am also available before or after school, but please schedule with me beforehand.

### Course Assessment Plan

**Semester Grades** - Lee County High School grades on 9-week grading periods. Your final semester grade is calculated as follows:

Final semester grade = **the course average** (80%) & **a final exam** (20%) The course average takes the average of the two 9-week grading periods. **NOTE: At the end of the year, everyone is required to take the Pre-AP Chemistry exam on College Board. BUT** It is possible to exempt the final exam (providing you meet the requirements as described in the student handbook) both the fall & spring semester final exams.

**Chemistry is a course based on mastery of the content.** This means you will need to demonstrate what you know, can apply and/or can do (**by yourself**) without the help of teachers or peers. Your grade is evaluated primarily by your test, quiz, & lab scores. **Grades in chemistry are based on points.**

✓ **Tests:** expect 3 major tests per 9-weeks. Learning intentions and success criteria will be updated regularly to allow for clarity on what is expected.

✓ **Quizzes:** you should expect quizzes to self-assess if you are building mastery of the recently covered content (for the purpose of preparing you to take the unit test).

**NOTE: Quiz/test retakes are available.** These may not be done during class time.

**Corrections** for tests and quizzes will be available.

✓ **Laboratory procedures:** (points are earned for procedure & for lab write up) Lab-work requires that you:

- 1) wear required clothing (long pants, close-toed shoes) for safety
- 2) follow procedures found in lab write-ups. You are expected to read the write up prior to beginning the lab.

3) work with a lab partner (as directed or assigned by your teacher) to complete the lab

- 4) turn in your own copy of the lab report ON TIME

**NOTE:** not all labs will be available if you miss class; if you cannot be provided the data, you will not be held accountable for the lab

✓ **Daily/class work/homework:** You should expect to have assignment(s) 2-3 days a week (some will be graded others will not be graded). MOST of this work to be done in class. As needed, it may need to be completed for homework.

NOTE: While daily assignments will not earn a lot of points, completing them & turning them in (ON TIME) prepares you for the test. I expect you to turn in **assignments on time!**