Lake Dallas General Chemistry Syllabus 2026-2027

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Conference Time: [e.g., 1:00–2:00 PM, Monday–Friday]
Best Way to Reach Me: Email or call the school office. I'll respond within 24 hours on school days.

Welcome to Chemistry at Lake Dallas High School. I am eager to begin a fun and exciting new year. This syllabus outlines the course plan for your child's class this semester, including key topics, expectations and how you can support their success. This document serves as the instructional plan and is available for your review. I look forward to working with you and your child. **Parents: Please make sure that your email address as well as your phone contact information is up to date with the office**.

Materials: college ruled notebook, red pen for corrections, scientific calculator, writing utensil and iPad for the online textbook, which is found on *Classlink*.

Communications: I have a weekly newsletter produced each week and in Canvas. I also use Google Classroom occasionally for class projects. Our class work is generally on paper or in our online textbook. Communication with students and parents occurs through *parentsquare*.

Grade Policy: 40% – MAJOR GRADES: TESTS & PROJECTS
60% – MINOR GRADES: LABS (INVESTIGATIONS), QUIZZES, DAILY WORK

Classwork: If the **daily assignment** is not finished during class, the student is required to complete the assignment at home for homework to be turned in on the due date given**. Projects** are a part of the curriculum. Deadline, expectations, and grading criteria are published well in advance on Canvas and in the classroom.

All work turned in, for credit, is to be authentic (done by YOU) not copied from a "partner" because you "worked together". Work cannot be recycled from previous classes or assignments. All work should be individual, therefore, sharing of any Google Docs or part thereof is not permitted.

Late Work: Late work is defined as any assignment or project not turned in by the designated due date. Any late work, including missing assignments due to an absence, is a "0" in the gradebook until the work is turned in and graded. Grading late work can be delayed because current work takes priority over late work. Any assignment submitted after a deadline, has a maximum penalty of ten (10) points per week deducted from the grade with a maximum of 30 points deducted. Student work with no name stays on the "missing work" board for 1 week, then recycled.

Attendance: You are expected to be sitting in your seat when the bell rings. The door will be shut at the start of class and anyone entering after that will be considered tardy. If you are unsure if you will make it to class in time, get a pass.

Make Up Work for Absences:

For an excused absence, the student is given a reasonable amount of time to make up the work missed; one class day for each day absent. **Work assigned prior to the first day of absence is due the day the student returns to class**. It is the student's responsibility to make up for any work missed.

Course Outline: Pacing changes may occur.

1st Nine Weeks	
Chapter 0: The Process of Science	1.A, 1.B, 1.H, 1.G, 2.A, 2.B, 2.D, 3.C, 3.D, 4.A, 4.B Students define science and scientific inquiry and learn how scientific investigations have changed over time. They will distinguish between scientific hypothesis and theory. They use science and engineering practices used to design investigations or design solutions.
Chapter 1: Intro to Science	1.E, 1.F, 1.G, 2.B, 2.C Collect, organize, analyze quantitative and qualitative data. Use lab reports, diagrams, charts and other statistical features to recognize patterns, sources of error and limitations.
Chapter 2: The Nature of Matter	5.A, 8.C, 9.A, 10.A, 11.B Explain development of the Periodic Table over time using physical and chemical properties. Calculate percent composition of compounds. Interpret, write and balance chemical equations. Distinguish between reactions, mixtures and solutions.
Chapter 3: Structure of the Atom	6.A, 6.B, 6D Construct models that show the development of modern atomic theory over time using scientific discoveries from famous scientists: Dalton, Thomson, Rutherford, and Bohr. Describe the structure of the atom and calculate atomic mass using isotopic composition.
Chapter 4: Electrons	6.A, 6.B, 6.C, 6.E Describe structure of atoms, ions including masses, electric charges, protons, neutrons and electrons. Express arrangement of electrons using electron configuration and Lewis Dot. investigate EM Spectrum and relate i t to quantization of energy in emission.
2nd Nine Weeks	
Cont. Ch 4 Chapter 5: Periodic Table	5.A, 5.B, 5.C Explain development of Periodic Table. Predict properties of the different chemical families. Analyze and interpret elemental data, including atomic radius, mass, electronegativity, ionization and reactivity trends.
Chapter 6: Ionic Compounds	7.A, 7.B, 7.D Name and write the chemical formulas for ionic and covalent compounds. Analyze the properties of ionic, covalent and metallic substances.
Chapter 7: Covalent Bonding	6.E, 7.A, 7.B, 7.C, 7.D, 12.A Explain how covalent bonds form. Determine bonds and structure in a compound from its name. Determine the shape of molecules by structure including polar and nonpolar.
Chapter 8: Chemical Reactions	9.A, 9.B, 11.D Model chemical reactions. How are chemical reactions modeled? Recognize the different types of chemical reactions.
4th Nine Weeks	
Chapter 9: The mole	8.A, 8.B, 8.C, 8.D Explores key concepts about the mole and chemical composition. Students learn how to calculate molar mass, interpret mole ratios from chemical formulas and understand the difference between empirical and molecular formulas.
Chapter 10: Stoichiometry	9.C, 9.D Explains how balanced chemical equations show the relationships between reactants and products in a chemical reaction. Students learn to calculate the amounts of substances involved using mole ratios. They identify limiting and excess reactants. Differentiate between theoretical and actual yield.

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Mrs. Stephenson Classroom Expectations:

All students deserve a safe and productive classroom to learn and develop to their full potential.

1. **Follow Rules & Be Safe**. Adhere to rules and guidelines in the student handbook, classroom rules and safety guidelines outlined in the safety contract..
2. **Be Prepared**. Bring **all** materials, assignments and charged ipad every day.
3. **Be respectful** of the classroom environment and those around you.
4. Be an **active listener**
4. Be **Proactive**
5. Give **100%** and take **pride in** your work because it reflects on you.
6. Reduce Learning Distraction. **CELL PHONES ARE ON SILENT AND STORED IN BACKPACK DURING CLASS**. Per HB1481, use of cell phones and all other personal communication devices are prohibited during the course of the school day. This includes airpods and smart watches. The district's and state's policy regarding cell phones, smart watches, and airpods will be followed in my classroom, which means the device is collected and sent to the office.
7. No Food or Drink in the lab room.

Consequences for not following classroom or school policies:

1st Offense: Verbal Warning and discussion with the teacher

2nd Offense: Teacher detention with me and parent contact (depends on the offense) along with a reflection sheet or make-up work.

3rd Offense: Parent contact and office referral

We are very proud of our school. In an effort to maintain safety, lab quality and classroom decorum I will not tolerate horseplay, vandalism, equipment abuse or tampering with emergency equipment. This also includes any tampering with the school's issued iPad. Science equipment or material use is purposefully determined by the teacher and is not allowed outside of the classroom. A fee or full replacement of damaged, broken, or missing equipment may result along with an office referral.

****Any fighting, purposeful harm to a student or inappropriate behavior that causes a safety concern will result in immediate removal from the classroom or lab, which results in a referral and possible loss of participation in upcoming labs.**

PLEASE RETURN THIS SHEET SIGNED, VERIFYING YOU HAVE READ THE SYLLABUS FOR 2026-2027 SCHOOL YEAR .

Name Student (print): _____ Class Period: _____

Student Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

(THIS PAGE IS WORTH 50% OF YOUR FIRST GRADE.)