2026-2027 Parent Letter

Course: G10 Chem

Instructor:

In chemistry, students will conduct investigations, apply scientific and engineering practices, and make informed decisions using critical thinking and scientific problem solving. Chemistry students explore a variety of topics, including properties of matter, the periodic table, atomic theory, chemical bonding, stoichiometry, gas behavior, solution chemistry, acid-base chemistry, thermochemistry, and nuclear chemistry. As students progress through this course, they will discover how chemistry is an integral part of our daily lives.

This course is designed around phenomena, events that you might observe in the world around you. Each investigation, or chapter, relates to a particular phenomenon. The supporting course materials help students in making sense of these phenomena, through investigating, communicating, and thinking like scientists and engineers. Look for opportunities to observe phenomena in your everyday environment and ask questions about them.

The design of the instructional materials follows the research-based 5E model. This model has 5 phases: Engage, Explore, Explain, Elaborate, and Evaluate. Activities are sequenced to support deeper understanding as students progress through each experience in the topic.

Caregivers, I offer these suggestions so that you can help your student gain proficiency in chemistry and develop their science and engineering skills.

- Look through recently completed lessons and be sure to ask lots of questions. One of the best ways for students to reinforce their learning is to have them explain it to someone else in their own words and in their first language.
- Ask about homework assignments and check that they have completed them.
- Help your student collect materials and information for school activities and assignments.
- This course is accompanied by a variety of online activities, such as videos, animations, and virtual labs. If you do not have a home computer, advise your student to use computers, tablets, or other devices in school or at the library. If you do have a home computer, help your student learn to complete assignments, collaborate with peers, and do research online.

I encourage you to stay involved in your student's learning by keeping an open line of communication between us. By all means, visit the classroom during open house or make an appointment with me if you have any questions.

Cordially,

_____

Science Teacher