

Kindred Scholars Academy

High School Chemistry

Ongoing · 2x/week · 45 minutes

Non-Member Rate: \$36/week

Member Rate: \$30/week

[Click here to request a time](#) or email mainoffice@kindredscholarsacademy.com

****Members** - enter promo code - *members* - your discounted rate will be applied**

*****Not a member?** For \$6.99/month per scholar, you will get \$2 off every class. [Enroll here!](#)

Overview

Many scholars are curious about why substances react, how matter changes, and how chemistry explains the world around them. This comprehensive high school chemistry course develops a strong understanding of chemical principles through the study of matter, atomic structure, chemical bonding, reactions, energy, solutions, acids and bases, and gas behavior while building the quantitative reasoning skills expected in a high school science course.

Each week, scholars build new concepts through guided instruction, scientific discussions, and real-world applications that connect chemistry to everyday life. As scholars progress, they apply mathematics to topics such as unit analysis, density, molar mass, stoichiometry, solution concentration, and gas behavior, learning how quantitative reasoning strengthens scientific understanding. Through problem-solving, pattern recognition, and evidence-based thinking, scholars develop the confidence and analytical skills needed for future science courses and STEM careers.

Topics Covered

- Exploring the structure of matter, atomic theory, isotopes, and the organization of the periodic table
 - Understanding chemical bonding, molecular structure, periodic trends, and the properties of substances
 - Investigating chemical reactions, conservation of mass, stoichiometry, energy changes, and reaction patterns
 - Applying quantitative reasoning through dimensional analysis, density, molar mass, solution concentration, pH, and gas law calculations
 - Examining solutions, acids and bases, gases, intermolecular forces, and the behavior of matter under different conditions
 - Developing scientific reasoning, mathematical problem-solving, and analytical thinking through real-world chemistry applications
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Perfect For

- Scholars seeking a comprehensive, college-preparatory high school chemistry course
 - Students who enjoy science, mathematics, problem-solving, and understanding how the physical world works
 - Scholars preparing for advanced science courses or careers in medicine, engineering, chemistry, environmental science, or other STEM fields
 - Families looking for a rigorous chemistry course that emphasizes conceptual understanding, quantitative reasoning, and scientific thinking while building a strong foundation for future science success
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Who We Are

At Kindred Scholars Academy, learning is not a solo journey. It is a shared adventure. Our classes are Socratic in nature and built around the belief that scholars should take the lead in their own education.

We do not hand out answers. We ask questions. We do not just cover material. We explore it together. Every class is a chance for scholars to talk, build, test, and discover side by side with their peers.

☀ **Teaching Philosophy and Approach**

Our teachers do not lecture. They create an environment where scholars explore, practice, and make connections. They bring structure, model authentic ASL, and introduce advanced grammar and vocabulary, while scholars carry the conversation forward. Each group becomes its own learning community, where curiosity sparks collaboration and practice turns into shared accomplishment.

No two classes look the same because no two groups of scholars are the same. While the themes stay consistent, the path we take always reflects the unique voices in the room. That is what makes every session meaningful.

☀ **Inclusivity Statement**

Our classrooms are welcoming spaces where every learner belongs. We celebrate differences and invite scholars to bring their full selves to the table. Collaboration works best when everyone has a voice, and at KSA every voice matters.

☀ **Homework Policy**

We do not believe in piling on busywork. Each week brings one purposeful activity that encourages practice beyond class. Sometimes it is reflective, sometimes expressive, sometimes interactive, but it is always designed to make learning feel alive and connected.

☀ **Family Feedback and Communication**

We see families as partners in this journey. That is why we provide consistent, open communication. Not just about progress, but about the moments that matter: the breakthroughs, the questions asked, the sparks of curiosity. Together, families, scholars, and educators create a true learning community where everyone is invested in the process.