



## Job Description

<b>Job Title: Chemistry &amp; Physical Science Teacher</b>	
<b>Reports to: Upper School Dean</b>	
<b>FLSA Status: Exempt</b>	<b>Employment: 11 month</b>

**About Our School:** Excelsior Classical Academy is a tuition-free public charter school dedicated to excellence and equity in education. We have a rigorous, college-preparatory, liberal arts focus based on the classical Trivium of Grammar, Logic, and Rhetoric, the first three liberal arts. Throughout their studies, our students are trained in virtues and core values, such as citizenship, cooperation, courage, honesty, integrity, perseverance, respect, and responsibility.

We firmly believe in making this educational option accessible to all students in the Durham area. We intentionally pursue diversity in our Board, our staff, and our student population. Our goal is to reflect the diversity of the Durham area. In order to allow anyone who wants to attend our school to do so, we

- Offer busing.
- Provide free lunch to those who qualify.
- Provide assistance with uniforms to those who qualify.
- Offer a Before- and After-School Program

Please note that Excelsior Classical Academy DOES NOT sponsor H-1B visas.

### Position Overview

Excelsior Classical Academy is seeking a passionate and knowledgeable **High School Chemistry and Physical Science Teacher** to engage students in the study of chemical and physical principles. The ideal candidate will provide hands-on, inquiry-based instruction that promotes scientific literacy, critical thinking, and real-world application of scientific concepts. This educator will cultivate a positive learning environment that fosters curiosity, experimentation, and a strong foundation in science.

### Responsibilities

### Curriculum & Instruction

- Develop and implement engaging, standards-aligned lessons in **Chemistry and Physical Science**.
- Teach fundamental and advanced concepts, including **atomic structure, chemical reactions, energy, motion, forces, and thermodynamics**.
- Utilize hands-on experiments, demonstrations, and laboratory activities to enhance student learning.
- Instruct students on proper **lab safety protocols** and ensure a safe laboratory environment.
- Integrate technology, scientific inquiry, and real-world applications into instruction.
- Design and administer assessments to evaluate student progress and adjust instruction as needed.

### **Classroom & Student Engagement**

- Establish and maintain a structured, engaging, and respectful learning environment.
- Encourage scientific curiosity, problem-solving, and critical thinking through class discussions and inquiry-based learning.
- Differentiate instruction to meet the needs of diverse learners, including those with advanced abilities and those needing additional support.
- Provide hands-on opportunities for students to conduct experiments, analyze data, and draw evidence-based conclusions.
- Foster collaboration and teamwork through group projects and research-based assignments.

### **Collaboration & Communication**

- Work closely with fellow educators, science department staff, and administrators to ensure curriculum alignment and instructional best practices.
- Maintain open and consistent communication with parents/guardians regarding student progress, achievements, and areas for growth.
- Participate in faculty meetings, professional development, and interdisciplinary planning.
- Supervise students in various school settings, including science fairs, field trips, and lab activities.

### **Additional Responsibilities**

- Maintain accurate records of student performance, attendance, and grades.
- Ensure proper storage and handling of chemicals, lab equipment, and classroom materials.
- Support extracurricular activities, such as **science clubs, STEM competitions, or research projects**.
- Stay current with best practices in science education through continued professional development.

### **Qualifications**

- **Education:** Bachelor's degree in Chemistry, Physical Science, Science Education, or a related field (Master's preferred).
- **Certification:** Valid state teaching license in Science or ability to obtain one.
- **Experience:** Prior teaching experience in high school science preferred.
- Strong knowledge of chemistry, physical science, and lab safety protocols.
- Ability to integrate **STEM education, technology, and hands-on learning experiences.**
- Excellent communication, organization, and classroom management skills.

### **What you bring to the job:**

- A work ethic and personal belief system that aligns with the mission and vision of Excelsior Classical Academy
  - Empathy and positive regard for all others in written, verbal, and non-verbal communications
  - Building trusting relationships with students, parents, colleagues, and community by acting with integrity, courtesy, and responsibility, even in the face of stress or demanding workplace conditions
  - Working effectively with colleagues and students by practicing punctuality, respect for deadlines, collaborative problem solving, and honest communication
  - The ability to work both autonomously and in teams
  - Maintaining proficiency as needed and approved by attending trainings, reading job-related materials, and meeting with others in area of responsibility
  - Appropriate dress for a workplace with frequent customer service interaction and community outreach
  - Meeting all required standards of confidentiality and safety
  - Organizational and technology skills
  - Resourcefulness in setting priorities and guiding investment in people and systems
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