



JOB DESCRIPTION

Title: Classroom Teacher – Chemistry and Physics

FLSA Status: Exempt Non-Exempt Part-time

Job Summary:

This position is responsible for teaching about chemical and physical properties and processes and how matter and energy form and change under a variety of conditions and interactions. In some classes, the focus may be on the periodic table, atoms and molecules, chemical bonding, chemical reactions, gas behavior, acids, and bases; in others, the focus may be on energy, force, momentum, waves, magnetism, and related principles and interactions, including introductions to mechanics and robotics. Classes will include a combination of lectures and lab projects, field trips, demonstrations and experiments.

All teachers at De Smet Jesuit provide college preparatory level instruction to young men in a Catholic, Jesuit environment with an emphasis on *cura personalis*. Teachers work closely with the administration and the Director of Diversity and Inclusion as well as the Counseling, Student Activities, and Campus Ministry departments in nurturing the overall growth of all students.

Specific Responsibilities:

Specific responsibilities include, but are not limited to, the following:

- Preparing engaging lessons and units that promote skills, knowledge, and critical thinking consistent with course outcomes and using the framework of Ignatian Pedagogical Paradigm.
- Maintaining up-to-date lesson plans; developing rubrics for projects and other class activities; correcting student work in a conscientious and prompt manner; and maintaining up-to-date scope and sequence for courses taught using published curriculum framework in coordination with the department chair.
- Designing chemistry and physics experiments and demonstrations, coaching students on lab safety, and ensuring that all experiments and demonstrations are carried out responsibly.
- Keeping track of and ensuring a sufficient inventory of lab supplies.
- Helping students prepare for science fairs and expos.
- Ensuring that students understand and appreciate the modern practical applications of chemistry and physics such as forensics, engineering, environmental science, space exploration, data analysis, nanotechnology, and research.

- Keeping abreast of developments, current research and literature in chemistry and physics.
- Ensuring that students have access to current literature in chemistry and physics, such as *Scientific American*, *Scientific American Space and Physics*, and *Popular Mechanics*.
- Communicating regular feedback about student progress; maintain open and timely communication with parents and counseling department regarding any concerns.
- Maintaining a classroom environment consistent with the Catholic, Jesuit mission of the school including *cura personalis*, *magis*, and “Finding God in All Things.”
- Working collaboratively with other teachers, counselors, learning consultants, administration, and various departments to foster the academic and spiritual growth of students in the Ignatian tradition.
- Staying current with classroom technology applications and regularly incorporating them into lesson plans.
- Being available to students before and after school and providing supervision of activities as well as some non-instructional responsibilities (such as study hall coverage, substitution duty, etc.).
- Participating in extracurricular activities, particularly those related to this field, such as club moderator.
- Maintaining working knowledge of and assisting in enforcement of rules and policies in the *Parent and Student Handbook*.
- Attending faculty and school events and adhering to the policies written in the *Faculty Handbook*.
- Demonstrating openness to collaborating across disciplines.

Supervision Exercised:

- Students, presenters or other visitors brought in to share information about chemistry, physics, and their practical applications

Supervision Received (Title of Supervisor):

- Principal

Minimum Qualifications:

- Bachelor’s degree in Chemistry, Physics or related area
- At least two years’ secondary or post-secondary teaching experience

Additional Preferred Qualifications:

- Advanced degree in chemistry, physics, or related area
- Teacher certification in secondary education
- Experience and success in an occupation requiring the practical application of chemistry or physics
- Understanding of and commitment to the spirit and mission of Jesuit education
- Practicing Catholic, committed to Catholic orthodoxy