

**ELEMENTARY SCIENCE SPECIALIST (GRADES 4 TO 6)****DEFINITION:**

Under direction of the Principal and the Instructional Services Coordinator, and in coordination with the regular classroom teacher, provide direct instruction in the core curriculum units of study in the District science curriculum matrix.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Teach science to students in the field study setting, utilizing course of study adopted by the Board of Education and other appropriate learning activities, instruct students in citizenship, basic communication skills, and other general elements of the course of study specified in state law and the administrative regulations and procedures of the school district; provide planned lectures, demonstrations, laboratory activities and projects in order to motivate students and best utilize the available time for science instruction.
- Develop lesson plans and instructional materials and provide the regular classroom teacher with a calendar of planned topics based on the core curriculum units of study for each grade level, allowing the classroom teacher to coordinate what students do in their regular classroom with what the science specialist presents at the field study.
- Establish and maintain appropriate standards of student behavior, utilizing a variety of behavior management strategies and techniques, including behavior modification, reinforcement and other positive behavior shaping processes, as needed.
- Communicate with parents, as needed, including through a home page regarding field trips.
- Maximize student instructional time by ensuring that materials are prepared and ready at the beginning of the lesson, and removed and properly stored at the end of each lesson.
- Create an effective physical environment for learning through displays, exhibits, bulletin boards, and centers' may insure a comfortable room environment through control of heating, lighting, and ventilation to the extent possible; create and effective social and behavioral climate to encourage student learning.
- Organize science materials and develop a plan for ordering and replacing consumables with the site principal in accord with District accounting procedures and practices; serve as a resource to the regular classroom teacher on appropriate instructional materials to enhance and extend the core science curriculum.
- Maintain professional competence through participation in in-service activities provided by the District and/or self-selected professional growth activities, development of annual personal and professional goals, and involvement to improve professional practice.
- Cooperate in school-wide supervision of students during out-of-classroom activities.
- Participate in faculty and/or District committees and student activities.
- May plan and coordinate the work of student teachers, teacher assistants, aides and other paraprofessionals and/or volunteers.
- Maintain District standards including sharing in the responsibility of the school programs, fulfilling responsibilities and duties in a timely and efficient manner; accepting supervision and direction; promoting a professional image; maintaining confidentiality in professional relationships; adhering to Education Code, District policies and District curriculum and content standards.
- May perform other duties as assigned.

**QUALIFICATIONS:****Knowledge of:**

Principles, theories, methods, techniques, and strategies pertaining to teaching and instruction of upper grade students; child growth and development and behavior characteristics of the upper grade child; educational curriculum, instructional goals and objectives, and educational trends and research findings pertaining to middle educational programming; behavior management strategies, techniques and methods, and conflict resolution procedures; socio-economic and cultural background differences of the general school population.

Ability to:

Work with plant and animal specimens, common chemicals and basic science laboratory equipment; implement the instructional strategies and themes recommended by the California science framework; work with a large number of students in a variety of classroom settings; provide effective learning experiences for students from a wide range of socio-economic and cultural backgrounds and with varying mental, social, and emotional levels; assess the education needs of students, and design, develop, and implement sound individualized educational plans; provide a stimulating learning environment; utilize technology to enhance classroom lessons and as a means for various types of communication and record keeping; establish and maintain cooperative working relationships; develop and maintain an effective schedule in cooperation with the regular classroom teacher and site administrator, and communicate effectively both orally and in writing.

Experience:

Student teaching, internship, or full-time teaching experience desirable.

Education:

Bachelor's degree from an accredited college or university.

Physical Performance Requirements:

Frequent sitting, standing or walking much of the time with some bending, stooping, squatting and twisting. Lifting, carrying and pushing of supplies and other work related materials will vary, but generally be of less than twenty pounds. (This is a partial listing of physical requirements. A complete list is available in Personnel Services upon request).

Licenses/Credentials:

Valid California Single Subject Credential in science or other appropriate credential authorizing service as an Elementary Science Specialist; and an English Learner authorization. Must be certified as "Highly Qualified" under No Child Left Behind Act. Possession of a valid California Driver's License, if required.

Board Approved: June 12, 2007