

Position Description

To perform this job successfully, an individual must be able to perform the essential job functions satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary job functions herein described. Since every duty associated with this position may not be described herein, employees may be required to perform duties not specifically spelled out in the job description, but which may be reasonably considered to be incidental in the performing of their duties just as though they were actually written out in this job description.

Job Title:	Electrician
Pay Table:	Support
Pay Grade:	12
FLSA Status:	TBD
Job Code:	644
Reports to:	Electrical Foreman

JOB SUMMARY

Under the direction of the Electrical Foreman, the Electrician maintains and repairs electrical equipment and systems; and plans and completes the electrical portion of remodeling and construction projects.

ESSENTIAL JOB FUNCTIONS

- Installs, troubleshoots and repairs electrical equipment and systems. Lighting systems and fans (low voltage relays, motion sensors, lighting contactors, etc.) Fire alarm systems in warehouses. Ovens, disposals, refrigerators, ranges, steamers, motors and other kitchen electrical equipment. Installs hard wiring for freezers plus control wiring. Power runs and hookups for shop equipment (saws, shears, compressors, etc.) Electrical safety devices and equipment for motors and fans. Clocks and valves for sprinkling systems. Magnetic starters (on heating systems, compressors, pumps, etc.
- Plans and completes electrical portion of remodeling and new construction projects (installs panels, upgrades service for additional electrical requirements, adds additional circuits, moves electrical receptacles etc.).
- Runs computer cables, wires and installs Wi-Fi, installs Apple TV and projectors, and installs and wires smart boards.
- Installs and maintains score boards.
- Installs control systems for outdoor lighting.
- Troubleshoots and repairs electrical equipment and systems: Electrical branch circuits in schools and warehouses. Dryers, washers and other appliances. Boiler control wiring. School heating systems. Also programs variable frequency drives. Wheelchair lifts and elevators. Computer and copy equipment (balances circuits, repairs plugs, rewires computer rooms, re-configures networks, etc.)
- Wires and feeds electrical services to new portable classrooms.
- Troubleshoots portable classroom HVAC systems. Programs, repairs, replaces, and on occasion installs systems. Corrects code and safety problems in HVAC systems.
- Brings building electrical systems up to code (wire, safety switches, etc. for pump and other installations).

- Attends seminars and code workshops to maintain required level of knowledge in electrical and electronics fields.
- Maintains job sheets (records hours and materials for each job). Prepares weekly time sheets, completes work request sheets, M & O forms, etc.).
- Picks up supplies.

MINIMUM REQUIREMENTS

- Four-year formal apprenticeship or equivalent training and experience preferred.
- Four (4) years of experience related to the above tasks, knowledge, skills and abilities or an equivalent combination of education and experience.
- Driver's license.
- Journeyman license desirable.

KNOWLEDGE, SKILLS AND ABILITIES

- Ability to read and write and perform complex mathematical calculations.
- Thorough knowledge of electrical theory, construction and repair of electrical equipment and systems.
- Knowledge of current electrical codes.
- Ability to read and follow electrical diagrams, drawings and blueprints.
- Some knowledge required of electronics and computerized controllers.
- Knowledge of material safety data sheets (MSDS) preferred.
- Ability to use small office equipment and computers.
- Ability to use or repair small, medium and heavy machinery and equipment.
- Ability to manage inventory and property.

PHYSICAL DEMANDS

Very heavy work: Exerting in excess of 100 pounds of force occasionally and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects. The work also requires the following physical abilities in order to perform the essential job functions: balancing, climbing, crawling, crouching, feeling, fingering, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity and walking.

WORKING CONDITIONS

Employees in this position work in a dynamic environment that requires them to be sensitive to change and responsive to changing goals, priorities, and needs.

The Davis School District has the right to revise this position description at any time.