

MAINTENANCE ELECTRICIAN**DEFINITION**

Under general direction of the Director of Maintenance, Operations and Transportation, performs skilled electrical work in the repair, alteration, construction, installation and maintenance of electrical systems and equipment; repairs air conditioning and heating systems; runs low voltage cable for computers and other low voltage equipment; assists other tradesmen by performing semi-skilled duties in other trade areas.

EXAMPLES OF DUTIES

Inspects, repairs, installs, tests, services and maintains electrical systems, including conduit and duct systems, light and power circuits, motor appliances, generators, control equipment, switches, switch boards and fans; installs low voltage wiring for bells, buzzers, clocks, fire alarm systems and security alarm systems; installs low voltage wiring for computers, communications, automatic sprinkler valves and all low voltage systems; installs interior and exterior wiring for equipment and appliances; wires newly constructed and altered structures; replaces fuses and circuit breakers; assembles, installs and maintains lighting fixtures and field lighting systems; climbs ladders and poles to install or repair lamps; performs repair on low voltage score boards; installs and maintains heavy machinery and power tools; plans, organizes and lays out assigned tasks; coordinates and directs the work of helpers; performs other duties as needed.

MINIMUM QUALIFICATIONSKnowledge of:

Methods, practices, materials, tools and equipment used in the electrical trade; repair of air conditioning equipment; low voltage cable for computers and other low voltage systems; applicable electrical codes and regulations for school facility maintenance, repair and construction; safe working methods and procedures.

Essential Skills:

Skillfully use tools and equipment in performing electrical installation, maintenance and repair activities; work effectively at heights of 50 feet or more on ladders, scaffolds, or poles and work under buildings and in confined spaces; work from wiring diagrams, blueprints, shop drawings, sketches, shop plans and specifications; plan, organize and layout electrical work; accurately estimate labor and material costs; maintain simple records and prepare complete and concise reports; understand and carry out oral and written directions; establish and maintain cooperative working relationships.

Education:

Equivalent to the completion of the twelfth grade, supplemented by coursework or training in modern electrical repair and maintenance, air conditioning systems and low voltage cable systems.

Experience:

Two years of experience as a journeyman-level electrician.

License Requirement:

Possession of a valid California Driver's License.

ASSIGNMENT

This is a 40-hour per week, 12-month per year assignment in the Maintenance Department.

(Revised 03/22/95)