

**ELECTRONICS TECHNICIAN****DEFINITION**

Under general supervision, performs a wide variety of skilled journey-level electronics technician work; assists or coordinates with other skilled trades; monitors and/or trains semi-skilled and unskilled low voltage maintenance workers; and performs other duties as assigned.

The typical duties and employment standards are representative of positions within this classification. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential duties of the specific position.

**TYPICAL DUTIES**

Installs, programs, repairs, maintains, assembles, tests, and diagnoses a wide variety of electronic, low voltage electrical, and mechanical equipment and systems including telephone, fire detection and security, intercom and public address, closed circuit cable television, video retrieval and video conferencing, master clock, projectors, tape recorders, cassettes, video/digital cameras, camcorders, and television sets. Installs telephone lines, wiring and cabling for communication, television, retrieval, computer and security systems. Creates layouts and working sketches of various electronics and associated computer data projects; maintains records of system databases.

Inspects and tests equipment to determine source or feasibility of repair or modification; orders and installs replacement parts or components or forwards to authorized service agency for repair; for electronic communication, fire or security systems, uses software programs to diagnose, repair, or modify operations of systems; operates a variety of electronic test equipment including oscilloscopes, frequency counters, power analyzer, multi-meters, signal generators, etc., hand and power tools; operates a personal computer and related software; operates trucks and other vehicles; maintains shop including cleaning and organizing tools and shop equipment.

Provides technical assistance and training in the operation of equipment; picks up and delivers audio-video and electronic equipment; receives and tests new equipment; if assigned, installs, upgrades, repairs, troubleshoots and maintains the computer, peripheral equipment and associated data networks for the electronic unit; remotely accesses electronic systems; responds to emergency requests for equipment repairs. Contacts school and site personnel regarding maintenance and repair needs; performs other duties as assigned.

**DISTINGUISHING CHARACTERISTICS**

The **Electronics Technician** classification performs skilled journey-level electronics technician work in the installation and repair of electronic, communication, security, television, master clock, closed circuit television, and fire detection systems and related equipment. The **Computer Technician II** performs technical and complex work to assemble, install, upgrade, repair, and maintain a variety of multi-platform computers and peripheral equipment with minimal supervision and direction. The **Maintenance Worker I** independently or as a member of a work crew performs a variety of moderately difficult semi-skilled maintenance and repair tasks of District facilities and equipment. The **Maintenance Worker II** frequently assists and performs skilled maintenance, repair and construction tasks in one or more of the trades areas, under close supervision of a journey-level trades person and performs moderate to complex semi-skilled tasks independently or as a member of a work crew.

**EMPLOYMENT STANDARDS**

**Knowledge of:** Standard methods, codes, materials, practices, tools, and equipment used in the electronics technician trade; basic tools and procedures used in other/related trades; safety practices necessary around tools and materials and for performing work with heavy physical requirements.

**Ability to:** Demonstrate proficiency in performing skilled electronics technician work; understand the principles of the electronics technician trade at a level sufficient to identify problems and perform tasks safely and completely; operate a personal computer, electronic systems and related software; use required hand and power tools and equipment; draw rough sketches of electronics projects; read and work from sketches, plans, drawings, schematics, technical manuals, specifications and blueprints; work cooperatively with co-workers, site and

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District office staff, students and others; communicate clearly and effectively; understand and follow oral and written directions; maintain records; schedule and perform work to meet established time lines; work independently with little direction; learn characteristics of a wide variety of types and makes of electronic equipment; operate trucks and other vehicles; learn and perform duties of other trades if assigned; serve as assistant or lead on larger projects.

**Essential Physical Activities and Work Environment:** Sufficient stamina to stand, walk, sit, climb, kneel, crawl, reach, twist, crouch, squat, balance and bend on daily basis for eight to ten hours a day; strength to regularly transport objects weighing up to 75 pounds and occasionally up to 100 pounds (e.g. television sets); mobility to climb and descend ladders; subject to working in high, precarious places; sufficient finger dexterity to write and keyboard, and grasp, push, and pull hand and power tools and heavy equipment and objects; sufficient stamina to perform heavy manual labor on a daily basis; sufficient dexterity to working in confined areas; sufficient hearing and speaking to give and receive instructions; and vision sufficient to read fine print and see small electronic parts.

Work is subject to exposure to electric shock, poor ventilation, fumes, solvents, dust, dirt, odors, and noise. Work is conducted occasionally in adverse weather conditions, and is performed in both indoor and outdoor environments. Work is subject to traveling to District sites.

**Typical Background:** Any combination of training and experience that demonstrates the knowledge and abilities to perform the typical duties. A usual way to obtain the knowledge and abilities would be graduation from high school **and** one of the following that leads to skilled or journey-level equivalency: At least four years of progressively responsible work experience in the electronics technician trade, or trade schooling and experience, or a formal apprenticeship.

**Licenses and/or Certificates:** Possession of a valid Class C California Driver's license. Must meet District vehicle and liability insurance requirements. May be required to obtain job-related certificates after appointment.

**Qualifications:** In order to be considered qualified for a vacancy in this classification, a candidate must possess the required background and successfully demonstrate such background, knowledge, skills and abilities through an examination process.