

ELECTRONICS TECHNICIAN

JOB SUMMARY

Under general supervision, perform skilled electronics work in the installation, maintenance, and repair work of a variety of electronic equipment, (i.e., audio-visual equipment, public address systems, television equipment, electric utility carts, etc.). May assist other trades persons in work which may be outside the field of specialization, requiring aptitude, willingness, and adaptability.

TYPICAL DUTIES

Check equipment for proper operation and diagnose operational problems and probable cause. Make adjustments to, repair, and/or make recommendations for the repair/replacement (determine if outside repair required) of electronic equipment. Evaluate quality of electronic/audiovisual equipment. Repair fire alarm systems, master clocks, secondary clocks, sound systems, etc. Maintain detailed, accurate repair records. Recommend equipment replacement when applicable. Maintain parts inventory and recommend equipment and parts purchases when applicable. Set up, repair, and maintain video recorders, cameras, t.v. equipment, cable t.v. systems, thermal copiers, ditto machines, etc. Perform other related duties as required.

JOB REQUIREMENTS

Any combination of education, training, and/or experience which demonstrates ability to perform the required duties. A typical qualifying background would include journey level experience and training in electronics or audiovisual maintenance and repair. Training at trade school or college level for a minimum of two years can be substituted for experience.

Knowledge of:

Principles of electronics and basic AC/DC electrical theory, including transistorized circuits. Installation, replacement, assembly, repair, maintenance, and operation of a variety of electronic and audio visual equipment. Electronic test equipment and tools. Working from schematic diagrams or blue prints. Record keeping. Safety practices related to the field.

Ability to:

Diagnose problems and repair defects in electronic and/or audio visual equipment. Read and explain schematic diagrams, electrical wiring diagrams, and blue prints. Establish and maintain effective working relationships with all levels of District staff. Understand and interpret manufacturer's maintenance and repair manuals and schematics. Follow oral and written instructions. Document, maintain files, written records, and parts inventory.

LICENSE

Must possess a valid California driver's license and the ability to maintain qualification for District vehicle insurance coverage.

PHYSICAL ABILITY

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; and talk or hear. The employee frequently is required to walk; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee is occasionally required to stand.

The employee must regularly lift and/or move up to 50 pounds, frequently lift and/or move up to 100 pounds, and occasionally lift and/or move more than 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus. The selected candidate must be able to perform the duties of a rigorous work schedule which includes lifting, loading, and unloading, and pass a physical examination and drug screen certifying this ability.

**WORKING
CONDITIONS**

While performing the duties of this job, the employee regularly works near moving mechanical parts and in outside weather conditions and is regularly exposed to risk of electrical shock. The employee frequently works in high, precarious places and is frequently exposed to toxic or caustic chemicals. The employee is occasionally exposed to wet and/or humid conditions and vibration.