



IRVINE UNIFIED SCHOOL DISTRICT

MAINTENANCE TECHNICIAN VI- WELDER

DEFINITION:

Under general supervision, performs journey level welding in support of the maintenance and repair of district facilities and equipment; applies specialized knowledge and experience to design, fabricate and accomplish metalwork projects; may lead/coordinate work of others in accomplishing work where welding or metalwork is required; installs and repairs of chain link and rod iron fencing; inspects and repairs playground and athletic equipment.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Repairs, alters, fabricates, installs and maintains various types of metal, parts and equipment utilizing oxyacetylene and electric arc welding, soldering and brazing processes; assure compliance with established safety guidelines and regulations.
- Determines and utilizes appropriate metals and materials needed for welding, priming, soldering, cutting, brazing or fabricating.
- Assists with estimates of labor, material and equipment needed for assigned projects; monitors inventory levels of materials and equipment; order, receive and maintain inventory of materials and equipment as needed.
- Operates a variety of maintenance and construction tools and equipment including drills, grinders and impact wrenches; operate and maintain a variety of welding and metal fabrication equipment; drive a vehicle to conduct work.
- Inspects and assures quality of completed work.
- Works with maintenance crews, conducts training of assigned staff.
- Reads blueprints, interpret plans and diagrams.
- Maintains welding tools and equipment.
- Maintain various records related to work orders and assigned activities.
- Maintain shop and work areas in a safe, clean and orderly condition.
- Drives a vehicle to conduct work.
- Assists in planning, estimating and scheduling of work.

QUALIFICATIONS GUIDE

Knowledge of:

- Methods, materials, tools and equipment used in welding and metal fabrication.
- Working properties of metals.
- Building codes related to the welding trade.
- Technical aspects of field of specialty.
- Operation and maintenance of tools and equipment used in the welding trade.
- Appropriate safety precautions and procedures.
- Proper methods of storing equipment, materials and supplies.
- Oral and written communication skills.
- Record-keeping techniques.

Ability to:

- Perform journey-level welding and metal fabrication work in the repair, alteration, fabrication, installation and maintenance of designated equipment and facilities.
- Operate oxyacetylene and electric arc welding equipment.
- Operate grinders and other shop tools related to welding and fabrication.
- Work from sketches, plans and diagrams.
- Observe health and safety regulations and procedures.

- **Communicate effectively both orally and in writing.**
- **Work cooperatively with others.**
- **Meet schedules and time lines.**
- **Understand and follow oral and written instructions.**
- **Work independently with little direction.**
- **Maintain various records related to work performed.**

EDUCATION/EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by completion of an approved apprenticeship program in the welding trade and four years journey-level welding experience.

LICENSES AND OTHER REQUIREMENTS:

- **Valid California Class C driver's license.**

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- **Dexterity of hands and fingers to operate welding tools and equipment.**
- **Standing for extended periods of time.**
- **Regularly lift and/or move up to 50 pounds; lifting, carrying, pushing or pulling heavy objects up 100 pounds with assistance.**
- **Reaching overhead, above the shoulders and horizontally.**
- **Bending at the waist, kneeling or crouching.**
- **Seeing to perform welding duties.**
- **Climbing ladders.**

WORK ENVIRONMENT:

Indoor and outdoor environment. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The noise level in the work environment is usually loud. Hazards include:

- **Working around and with machinery having moving parts.**
- **Working at heights.**
- **Sparks, hot ashes and hot metals from welding and fabrication.**
- **Regular exposure to fumes, dust and odors.**

Previously Revised: 06/2017